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It is easily kept clean, does not harbour dust or vermin. It cannot be injured by the horses.

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## EDITORIAL

In needlessly sacrificing life, the Kaiser is the nost reckless of all militarists.

A correspondent, in this issue, gives party politics hard blow, but none too hard.

Another month of feeding may make prime beef out of a common to good steer.

It is time to work the curry-comb on the horses, and on the cattle to be sold this spring.

Some may desire to know how to tell the age of a cow by her teeth. This issue illustrates the method.

Crop success depends to no small degree upon chorough cultivation. It is not too early to be laying plans.

Keep the spring litter dry. This will go a long way toward health, and will make it easier to keep the young pigs warm.

The British public may demand nationalized railroads after the war is over. They have met the contingencies of war well indeed.

There may be little in a name but "breaking torses" conveys an idea that has been responsible for a lot of unfortunate results.

Every farmer should have a garden, and a good sarden. Everything about a good farm garden is outlined in the Horticultural Department this issue.

There is more than throwing the feed to the stock, and carting away the manure, in being a good stockman. The good stockman knows his stock intimately.

Where is a right and wrong way to grow young archards. Try the right way this year by following ddeas which will be set forth in our issue of March 16.

Lf you did no draw out your manure in winter It was not because there was not a free discussion of the subject in the columns of "The Farmer's Advocate."

Let us all get ready for spring-clean the seed grain; cut the summer's wood and pile it handy to the kitchen; break the colts; repair the implements and machinery.

Every week we read of more charges of graft and corruption in some part of Canada. We can truly say with a correspondent who writes in this issue: "We need new blood.'

We sometimes wonder how people in other prodessions would relish being told by farmers what they thould do in this war; yet all the other professions proceed to tell agriculture what it should so. Strange, is it not?

The Kaiser's "Take it no matter what the cost" eactics will lose him the war. Sooner or later the German troops will see the folly of opposing their bodies a solid wall to the wall of steel belched forth by steat guns, handled by the best gunners in the world. German pluck is no match for British and French uigh explosive shells and machine-guns.

LONDON, ONTARIO, MARCH 9, 1916.

## New Blood Needed.

Many times has "The Farmer's Advocate" pointed out that if the farmer is to get his full measure of justice at the hands of Parliament, he must be represented in Parliament by a larger number of capable farmers, who understand the questions of who are honest, upright, and have the courage of their convictions to such an extent as to stand up for the convictions to such an extent as to stan up for the
rights of the farmer upon every occasifn, which demands a division of the House, or support of farming members in debate. Free wheat was voted down recently. It is well understood that the farmers of the West desire free wheat. They believe it would be a good thing for their business. It is well known that certain big interests in Canada are against free wheat, tain big interests in Canada are aganst free wheat,
and the fight for it was lost. It is not the first time that such has occurred, and, as pointed out in a strong article in this issue, written by a Northumberland county correspondent, the farmers of this country must be represented in Parliament by men engaged in the occupation of farming, and not by lawyers doctors, and men interested in other business who doctors, and men interested in other bustuess who
very often are imported into the agricultural riding for political purposes, and who, as soon as they take their places in Parliament, begin to represent manufacturing, transportation, and big moneyed interests rather than the agricultural constituency which elects them. Every rural constituency has in it some men capable of looking after the farmer's interests were they sent to Parliament. It should be the business of the electors in theese conssituencies to see to it that in the future the most capable farmer amongst them is sent to represent them, and let us forget for a while some of the old party prejudices many of us hold. And the farmers already members should stand up for the rights of the people they represent. Unafraid of the crack of the party whip, they should speak out in debate wherever the interests of agriculture are at issue. What Rosebery said of the British Parliament seems to apply here. "We want new blood," and this on both sides of the House.

## Sow Enough Clover Seed

It is not often thas the price of clover and grass seeds is as high as it is this spring. Exorbitant prices for these materials do not make for good catches of seeds this year, and consequently there may be some danger of a shortage of hay and grass crops in 1917. The clover crop is one of the most important grown on the average farm, and during recent years we have been advocating a heavier seeding per acre. In travelling from place to place throughout the Province, we have noticed that the men sowing the most seed per acre, up to 12 lbs., were obtaining the best average stands of red clover, and were reaping the heaviest crops of hay and pasture. But prices are so high this year that we hesitate to recommend seeding as heavily as 12 lbs. of red clover per acre: We also wish to impress upon our readers that it will be unwise to cut the amount of seed per acre too low, because for the extra outlay necessary to purchase three or four ppunds more seed for each acre, the difference in crop- may pay many times over. It is daggerous to sow too little in any season. Oldtimers have told us that seasons generally go to extremes, that is, one extreme follows another. Last year was very wet, following out this idea, this year may be very dry. We are not attempting to prog. nosticate, but it might be well to be prepared for all weather contingencies. In purchasing seeds, be sure and get enough. Where clover is sown alone, without timothy or alsike, we befieve that at least 8 lbs., and preferably 10 or 12 shoulid pe put on. We might just give what we are purposing sowing at

Weldwood. Owing to the high price of red clover, we are this year mixing a little alsike in our seed, and will sow 6 lbs . of red clover, about 2 lbs . of alsike, and 4 or 5 lbs . of timothy per acre. This makes a twelve or thirteen-pound seeding per acre, and should give a fair stand. Alsike is proportionately cheaper this year than is red clover, consequently a fairly heavy percentage of this is being sown. We do not ask anyone to follow our rate of seeding, but simply publish it as a suggestion, and wish to again emphasize that if good catches are to be obtained, plenty of seed should be sown.

## This Should Be the End.

Whether pacifist or militarist, no one can read the graphic accounts of the unprecedented struggle being waged in France, without feeling that this war should teach a lesson which will ensure humanity from any possibility of a repetition of the slaughter, after the present world-conflict is brought to a close. We are in the fight on the right side, and as Premier Asquith said, "shall never sheathe the sword until Belgium recovers in full measure all, and more than all that she has sacrificed; until France is adequately secured against the menace of aggression; until the rights of the smaller nationalities of Europe are placed upon an unassailable foundation; and until the military domination of Prussia is wholly and finally destroyed." On the snow-clad hills, and in the smoky valleys near Verdun, we read as we write that 30,000 brave men of both sides lie wounded and dying, and no attempt to succor them can be made because of the terrible fire of the artillery on both sides. German regiments, battalions, and brigades, disappeared under artillery fire as if the earth had opened and swallowed them up. It is reasonable to suppose that the losses in the allied ranks, while possibly not so heavy, were terrible in such a sanguinary fight. Hundreds of thousands of men, the pick of the nations they represent, hurling themselves at each other, and at the walls of steel and high explosives thrown with unequalled violence at each other's position! The war must go on till the victory is won, but the awful carnage, and destruction terrible beyond words should so impress the human race that in future humanity should be considered, rather than the desires of any militarist for world power.

## Will Your 1916 Garden Be Worth Forty Dollars ?

Do you get forty dollars' worth of, or more, vegetables from your farm garden each season? Many town and city gardeners claim that they are able to grow, on a small back lot, vegetables, in season, to the value of $\$ 40$ or more each year. The farmer, with vastly more land available, cannot afford to neglect to avail himself of the opportunity of having fresh vegetables from early spring to late fall, and these grown at small expense in a plot of land set apart for a garden. In order to help readers in planning, buying seeds for, and planting their garden this year, we have endeavored in this issue to outline some points which have proved practicable and which, we believe, are worthy of study. If anyone is entitled to the luxuries that the garden affords, it is the farmer, and while labor will be scarce this year, and a garden requires some time, if it is to be kept clean, if properly laid out, so that most of the work may be done with a horse, it should not take long to prepare and cultivate enough vegetables for the year. Do not give up the idea of having a garden because labor will be scarce. Let something else take its chance, because no part of the farm produces so aburidantly as the small plot set apart for garden purposes.

The Farmer's Advocate AND HOME MAGAZINE.
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## A Boost for Government Ownership.

 gratulated upon the success whitain are to be con of Government operation of the railroads since the war began. All the railroads in the British Isles are under government control, and are worked by a com mittee of managers, and so far the cost has been amazingly small, economical methods introduced under the committee of competent managers being responsible for the comparatively small outlay. An adequate passenger service has been maintained, while some of the roads have supplied as many as fifty troop trains daily. It is now hinted that the people of Britain, when the war is over, will be slowask for a return to the old, private-ownership method of operation of their railways. There are many good things in public ownership, which have been pointed out from time to time through "The Farmer's Advocate." Ontario's Hydro Electric Power and Lighting scheme has been the object of much favorable comment, and has succeeded in giving the people of Ontario cheaper power and light. Public
Ownership of Public Utilities is undoubtedly the proper system, provided there is put into the management in whatever sphere it operates, the same competency that is developed under the system of competition, where one private firm is kept on tip-toe by keting and Farm Credits, held in Chicago, about two years ago, it was pointed out hy certain speaklimited success of the Parcel Post system in the United States, was, that clerks and overseers were not always and directly responsible to some Expers Companies, saying that "What is everybody's bumines is no-
borly's husinesis, and too often complonees workine for

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employee, from the manager down to the lowes paid clerk just as courteous, obliging and efficient as he or she would have to be if working for a private firm or corporation. A correspondent, in this issue, makes the statement that the business of govern ment should be the best operated business in the country because it is the biggest. All busi erement right down to the municipality should be the embodiment of efficiency. We are pleased to note that the nationalization of the railroads in Britain has been such a success, and we believe that more government ownership would be a good thing for this country, provided the right kind of men are placed at the head of affairs, and all graft, corruption intrigue, political pull, and inefficiency obliterated from all departments of the work. The bane of government ownership is bad governmen. Honest and government ownership.

Pure-bred or Grade-Which ?
A short time ago we recelved a letter from a correspondent, in which he asked the pertinent question as to whether or not we had found in our experience that the best of grade cattle were more desirable than
pure-breds. We had no hesitation in answering that we had not found this to be the case, but that high class grades are to be preferred to an inferior type of pure-bred stock. The point is well taken. Not so very long ago we were talking with a man, who happened to remark that his mongrel-bred pullets were giving him a higher percentage egg produc fion, than were his earlier-hatched, bred-to-lay Barre Plymouth Rocks, on the same feed, and with the same care. We remember having seen in a stable last summer a grade cow, which in her ten-year-old form, produced over $10,000 \mathrm{lbs}$. of milk in one lactation period. In the same stable were pure-breds of the same breed, which could not boast such production We have seen many grade breeding sows, which were giving their owners larger, more uniform, and bet-ter-feeding litters, than were certain pure-bred sow in the same herds. Almost every reader knows of
grade mares, which, when mated with the right class of sire, produce colts which compare very favorably with those from certain pure-bred mares, mated with the same horse. The same holds true with sheep, and we are forced to recognize the fact that the grade animal judiciously bred and fed, and highly graded up, io superior to many inerior pwedred enals But this does not prove that the best grade is pre ferable to the best pure-bred. The average farmer starting in stock breeding, would be wise to get his experience with grade stock, and through a process of grading up, using nothing but the best pure-bred sires, he can in a few years develop a herd or a flock equal or almost so in appearance and production to many pure-bred herds, or flocks. But when he has reached this stage, and wants to go on, there is only one thing left for him to do, and that thing he should do in justice to himself, and to the live-stock industry, namely, gradually replace his good grades with better pure-breds. We hold no brief for the scrub pure-bred. Such should not, in our opinion, be per mitted to reproduce its kind, as it most certainly will, if put into the breeding herd or flock. We would net advise a man starting in the stock business to
purchase, in the beginning, high-priced, prize-winning pure-bred stock. It is always advisable to learn the business with good, hardy, grades, and to develop with the business by judiciously up-grading the foundation stock; but the aim of every good stockman, going nd develop
 ome from a grade herd or flock. Pure-breds must form the foundation for all advancement in the stock hisiness, and the best of the pure-breds, if our breed conformation and proluction with the very best always out-class them. But great care must be ex stock, that too large a percentage of animals of the scrubl order are not bred and sold as foundation stock o purehers
 cause of some breeders of high-class grades being
ter breeders and producers than their neighbors', of sometimes their own, pure-breds. When it comea to a question of whether a farmer should keep grades or pure-breds for bréeding purposes, provided he knows the stock business, and is in a position to mak the most out of it after growing up with a grade herd, we unhesitatingly advise pure-breds.

## Studies in Political Economy-l

## Edtor "Tue Farmer's Adyoctite"

The desire for wealth, in the proper sense of the term, is entirely legitimate. It represents the effort which man makes to extend his control over nature. How is it then that man's moral sense universally look with suspicion on the rich man, and is disposed to pity and excuse the poor? What is the significance of the statement that "It is easier for a camel to pass through the eye of a needle than for a rich mat to enter the kingdom of heaven?

In popular thinking there is no clear definition of rich and poor. Speaking loosely the rich man is he who possesses much wealth or much powes o command the services of others; and the poon man is he who possesses little of these. But where is the line of division between rich and poor? Io it the average standard of living in the particulan grade of society under consideration? Is that man rich who possesses more than the average, and tha man poor who possesses less? If this be so there is no reason for condemning the rich, no justification for the remarkable unanimity in the moral sense of all peeples in all ages and places. It cannot be other and radically different, line of demarcation which will enable us to distinguish, with scientific precision, between rich and poor, which will harmon precision, between and his moral sense whan's All things which satisfy human desire can be divided into two classes: wealth and direct personal services These two are, however, fundamentally one, since all wealth is valuable because it represents human effort, and is thus indirectly personal service. There fore, all things which are sought by man, in so far as poltical econ the is concenter, the resolved arises: Is there a mean or normal measure of jus possession or enjoyment of service? There is.. A member of human society is justly entitled to re ceive from society the equivalent of what he gives to society. He is entitled to get as much as he gives; service rendered and service commanded should be equal.
Her Here then, is the scientific distinction betweem service than he need render: he is poor who can com mand less. Thus viewed rich and poor stand in the same relationship to one another as positive and negative; the existence of rich men necessarily involves the existence of poor men, and vice versa Viewed from the standpoint of ethics the rich ar the robbers, and the poor are the robbed.

This distinction harmonizes all the confusions in the popular mind. It prevents us from unjustly
condemning him who may possess more wealth thas the average, and from unjustly exonerating him who may possess less. It creates a radically different and scientific basis for classification. It reconcile reason and conscience. Thus defined the statement that "it is easier for a camel to pass through the eye of a needle than for a rich man to enter the kingdom of heaven" is not figurative, but is scientifically accurate. In the kingdom of righteousness there cannot be either rich or poor.
Brant Co., Ont.

The Christian Guardian quotes the eminent Dr F. W. Gunsaulus as declaring that every one of the twelve most prominent preachęrs in Chicago wa brought up on a farm, which has proven and is demod strating every day that it is a good place to develop men. "And" adds the Guardian, "the churcb which controls the rural districts to-day will probably ities and legislatures to-morrow." Thi is encouraging and only needs the tangible backing of a livelier appreciation on the part of the ministry the noble and destiny-directing opportunities of

The pulpit of the rural community in quest of model discourses will look long and far before better ing those like "The Sower and the Seed" of The
Great Teacher, or finding a more helpful circuit o parish plan of campaign than "going about" among the people "doing good.

The rural minister of the Gospel who would have the people of his community thronging to hear his pulpit message should identify himself with theis lives by a first-hand and personal interest in thei pursuits and aspirations.

## Nature's Diary

At this season of the year, when a crust is formed over the deep snow and a light fall of snow covers this crust, we are able to study tracks better than
at any other time. The study of the trails left by at any other time. The study of the trails left by our wild can learn a great deal about the habits of the it one can learn a great deal about the habits of the
various species_which is_revealed in no other way.


## Fig. 1-Tracks of Varying Hare leaping easily

very common track in any part of the country, where any bush remains, is that of the Varying Hare, Fig. 1 shows the track of this species as it is left by
the animal hopping along in a leisurely manner. In Fig. the animal hopping along in a leisurely manner. In Fig.
2 we have the tracks left by a Varying Hare going at top speed, when beond. It will beticed in both of these figures that the tracks of the hind feet are in front of those of the fore feet. This reversing of the relative posiHare trail backwards under the impression that the


Fig. 2-Tracks of Varying Hare speedi
front feet should leave their tracks ahead of those of the hind fect. Fig. 3 showing the Hare in action, illustrates how the tracks are made. The only tracks
ill which may be mistaken for those of the Varying Hare
are the tracks of the Cotton-tail. When these two tracks are compared it is seen that those of the Cottontail are a good deal smaller than those of the Hare,
particularly the impressions of the hind feet. particularly follow up the trail of the Varyi should be able to read the story of the animal's wanderings. Here it has been leaping quietly along, now
in the middle of this open space it has suddenly length-


## Fig. 3-Varying Hare in action.

ened out its stride and has made straight for a clump of bushes. When we enter the clump we see where
it crouched down and remained motionless. We can now read that it was frightened either by a man or a
bird of prey. If the cause of its sudden spurt had bird of prey. If the cause of its sudden spurt had this first clump but have gone right through and on at top speed. Here it has emerged from the bushes, again hopping leisurely, showing that the danger was past. Here it has paused to browse off
the low bough of Cedar, here it has eaten some bark trom this Dog-wood bush. Here in a bunch of tall rom this Dog-wood bush. Here in a bunch of tall
grass it has rested. But its rest has been violently

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one of the n Chicago was on and is demod churcb will probably angible backin the ministry Fig. $4-$ Tracks of Red Squirrel.
disturbed, as it went out of the grass in flying leaps. Its disturber has left its name written in the snow-a in leaping distance, and sprung. But it has sprung a fraction of a second late, and landed not on the
Hare but on the spot where the Hare was. The fox
has not pursued, and we see that after going at full has not pursued, and we see that after going at fult
speed for some distance the Hare has paused, sat
down facing its back-tracks, and then gone off at down facing its back-tracks, and then gone off at
its usual quiet gait. So we follow on, piecing the
story together. $\because \because \because=$ In Fig. 4 we have some tracks which are very com-
non wherever there are any trees-those of the Red Squirrel. It will be noticed that here again the hind also that while there one as the animal leaps along, tracks of thel hind feet there are only four on those
of the front feet. This latter fact is due to the rudj-
mentary condition of the thumb in the Squirrels it being reduced to a mere knob.
that of the Deer Mouse. Again the impressions the hind feet are in front, and the trail of the long These little between the paired tracks of the feet These intle mammals make a delicate tracery of trails times we find the tack borders of helds. Some very often, as these animals tunnel beneath the snow, and if the tracks appear from a tunnel they very soon disappear down another.

## THE HORSE.

## Breeding, Fitting and Showing

 Clydesdales.In the live stock industry there is no more fascinating or profitable occupation than the breeding and showing of high-class Clydesdales. There are three ways to start a breeding stud but the success of the work rests entirely with the skill, ability, energy, thoroughness and studious habits of the man or men engaged in the undertaking. One way to commence operations is to buy the very best show animals, a very costly way
and it is doubtful if the most successful and profitable results are obtained especially for the large amount of capital invested. Although the chances are great to obtain a good foal when two excellent individuals are mated, and usually like begets like, yet the breeder can never be sure, as they may breed back to some inferior ancestor or evolve a new type altogether.
Another way to make a start in breeding pure-bred
clydesdales is just to buy a cheap mare and use the cheapest and handiest stallion and trust to luck to get a good colt once in a while. This class of breeder usually has his expectations amply fulfilled as he does not expect much and sometimes, although rarely, he is very agreesometimes works this way and the unexpected happens. The third class of breeder is the man who has a real liking for a good horse and who has made his own particular breed his life's study, the man who has virtually grown up in the Clydesdale breeding business, has taken of acquiring knowledge of types and conformation and gives strict attention to the valuable experiences of
veteran breeders, sometimes given orally or through he medium of our far-reaching and very valuable agri ultural journals. This class of breeder is a student as ong as he lives and always realizes that he does not know 11 about horses
In selecting his females this man is careful to pick good types of the breed as large in size as possible, he formation as possible, with those good qualities of hard wearing feet, well-set pasterns, fine, straight-flowing, silken hair, clean, hard, wide loins, well-placed limbs, lean, feminine head, well-muscled shoulder well up at the withers, strong, wide back, great depth and spring of ribs and broad, well-muscled, roomy hindquarters, and he invariably insists on good, true, straight action, a good, fast walker, good tempered, docile and tractable. He well knows that the more good points he can get in the mare the greater his chances of raising a good show studied, every particular of the merits and demerits of the ancestors being taken into consideration, and the mare only purchased when perfectly satisfied that the breeding is good.
Having obtained his mare the breeder who usually has high ideals and great ambition to breed the best of top notchers endeavors to find a suitable stallion. Somecosting much in money, time and deep study, the breeder fully realizing that unless he can use the very best and right type of sire, his carefully selected mares will be a disappointment to him. He tries to get a weighty stallion of masculine appearance and he must have quality, faultless legs and good action, and he must be bis mares as possible. Breeders as a rule like to mate big strong, healthy mares even if a little rough in legs, with the very finest quality, good-legged stallions, as it transmits his own quality and superior bone to the offspring, and the mare transmits her strong constitution, health, good feeding and easy keeping characteristics,
be apparent when the foals come. If they are satisfactory and up to his expectations he will use this horse as long a possible. During the time the foals are running with except liberal feeding and careful attention to the fee of the colt as it grows. If it toes out a little the feet are filed a little lower on the outside, lower on inside if toeing in, if back on the knees the heels are kept high and toes short; if ahead on knees the heels are kept low feed also from the ground; if a little wide back is low keep the heels low on the inside. Keeping the feet in proper trim and shape while the colt is growing and getting them properly shod by an expert blacksmith is a most important point in fitting Clydesdales for the show ring. No exhibitor can expect to win a high place unless he has a horse that can walk well and show his paces at the trot. The walk is the most important in the Clydesdale, he trot is soundness can be more easily detected when in un-

- The second six months of the colt's life is very important. It should be liberally fed on feed calculated to produce bone, muscle and sinew. The colt should be kept growing as it should attain nearly half its mature weight without being fat at 12 months of age. During trained first year the colt should be well halterbroken and or petted. Do not try to show Clydesdales be pampered dition until they are matured. Judges look for cood strong-framed, growthy colts. First-prize yearlings and wo-year-olds very seldom cotne back and win again. Many good colts are overdone by high feeding and growing. Cldyesdales are judged for type, good proportions and conformation, good feet, pasterns, hair and skin, superior class of bone, well-placed legs and clean, nicely on well nicely on well-muscled shoulder with good collar seat
and set at a proper angle. The Clydesdale shoulder is just about the medium of the extreme sloping shoulder of the Hackney and the upright shoulder very often found in the Shire. The breast must be full and wide with the legs set well under the body. Judges of Clydesdales do not like a horse with a bull-dog breast or legs et out on the extreme point of the shouller. The elbows must be set close to the body and chest bulge should be level and wide and well fleshed over loins hip bones close up to ribs, wide and well fleshed over. Sharp, prominent hip bones are not in favor with Clydes dale judges. The croup is desired broad and wellmuscled with tail set fairly high, haunches and thighs must be full and well-m iscled and nicely turned. Clydesdale judges look for a horse that looks large from a side view, deep shoulder, girth and fank, wide, well-muscled fore arms and gaskins, legs not too long with very from hock to thigh. From a front view the Clydesale should have a strong appearance, good face, eyes prominent and full, set wide apart, head carried fairly high, breast appearing full and wide with legs placed a good width apart and always perpendicular, standing or walking. When standing or moving the Clydesdale should appear to have the power to bring forward a heavy load easily, and place his large feet with surenese and always straight ahead. When viewed from beappearance and nicest turned hind quarters of all the raft breeds, and when in action comes next to the Hackney in hock action, but must not lift so high. udges will place a Clydesdale down for Hackney action. In fitting Clydesdales for the show ring nothing must be overlooked from the time the colt is weaned. The feet and legs must be well looked after. Many breeders se a light blister around the coronet to encourage the growth and spread the hoof but as this has a tendency to Do not commence too soon before the show to increase the amount of feed, about two months is time enough and in that time the horse can be brought out in nice bloom. For feeding purposes, personally I rather prefer buised oats with eltle bran, cut hay or oat sheavea, an occasional feed of boiled barley with a little flaxseed. During the breeding season with the stallions we much prefer boiled oats instead of barley. and legs clean, apply a of grooming and keep the feef and coronet if inclined to be dry and hard also apply little sweet oil to hair of legs to keep soft and straight. When brought into the ring the Clydesdale should have a long, slim fringe of hair arrund his coronet, short, fine
hair all round pastern and long thin, straight, silken hair


Dolly and Her Progeny.
Owned by Michael Rettinger, Formos.
from the back of knee down the extreme edge of leg to fetlock joint and hanging to the ground.
natural state in which the Clydesdale should appear in the ring. But with rough-haired animals much work is done to obtain this clean appearance, the Clydesdale grooms being adepts at plucking out the long hairs clean, drying with the finest of white sawdust, hand rubbing until the hair lies closely to the bones. The Clydesdale steps into the ring with the most beautifu greatest of all breeds, the Thoroughbred, for density strength, quality and weight of bone.
Sometimes the pasterns are shaved with a knife and Anished off with a piece of glass or even the horse clipper reprehensible practice and the judge will always place an animal down if he can detect any interference with the natural state of hair. Before entering the ring all
Clydesdales should be well broken, well shod (with the exception of the yearlings, much better without shoes bodies and legs clean, the young classes in good thriving, healthy condition, mares with foals in fair condition mature stallions, overloaded with fat but well covere with hard flesh and hair and skin in nice bloom. On no consideration should an animal be brought into the ring that is unsound even if the judg fails to detect the unthe animal. Although the horse wins a place it is no honor for the exhibitor. Never for a moment from the time that you enter the ring forget that the judge may
be looking at the horse. Properly place the animal to the best advantage when the judge is examining the horse closely, when walking let the horse go at a free straight stride and keep step with the animal, move come back straight to the judge, and always' remember to keep on the outside of your horse when turning never let the horse run in a circle, it is very bad ring manners, extremely dangerous and spoils the action by causing
the animal to throw out his off legs. Always be courteous to the judge, do not get unduly excited when winning and be a gentleman and a sport when losing. All men honor the breeder, owner and groom for winning the prizes, but greater and more enduring hoor anotts and perfect gentlemen. To those who have never shown an animal I would say bring your animal just in his natural state, have him clean, he needs no ribbons or decorations
the judge never sees decorations, but is quick to see an mature animals look well, and especially present a fine appearance and are a popular and imposing spectacle at our great winter fairs where great crowds gather to see
our famous Canadian breeds of horses, but the prizewinners have to win their laurels on their own merits. James

Breaking Colts
Editor "The Parmer's Advocate :
I break my colts by not breaking them. sounds paradoxical. Let us see. Your paper, Mr.
Editor, is "true to name," for it is in reality the advocate of everything that has been and is being found to be of practical worth to the man on the
land, from actual trial by men of experience. This
brief article is likewise a testimony based on experience.
From the first I get my colts used to being handled, without petting first put on until they are going as wanted, either singly or in double harness. I aim never to have
them in fear of me. This does not mean that there are never occasions when firmness has to be used.
In handling young horses it is essential that one In hand"ng young horses he can finish". For ex-
should "start only what he
ample, one of my colts when brought in after the ample, one of my colts when brought in after the
summer refused to stand hitched, but as soon as she
found herself tied, would surge back and hang on the rope, until, if possible, it would break. I cured her in this way: Passed a strong rope over a pulley,
firmly fixed to a beam about seven feet high. To one end of the rope was attached a barrel in which a fitched, by the usual noose around the neck, the rope in turn passing through the hatter ring. she threw her weight on the rope and hung for but a few sec-
onds, the weight of the barrel causing her to give haartedly, raising the barrel but a few inches and allowing it to drop immediately. She was completely
conquered, and that without breaking her spirit. conquered, and that without breaking her spirit. I
tried to get her to set back on the rope again, but could
not. 1 carelessly placed my hat on her head, not. I carelessly placed my hat on her head,
and she would not move. II took up her feet one
after the other, and she made no objection, though she had not been in harness before. I threw the har-
ne:s on her, and ag.in off, allowing it to come against then led her into the stable and tied her in the stal then led her into
with an ordinary haler shank, and have had no
trouble with her simee. My point is this: It is possible to break colts without breaking the ir spirits,
t, is for a man to exercise his "horse sense, " and make sure that he knows his colts' dispositions and to gain
their confidence. Then, by always being on guard, without seeming to be so, to start only what he knows he can come through with, and it "follows as the nigh
the day" that he will soon have his colts working out his will in every reasonable way. A discouraged horse is about as much use in the world as a dis-
couraged man. It pays to take time with kindly couraged man. It pays to take time with kindly
firmness and break the colt without breaking his $\underset{\mathrm{B}}{\mathrm{spirit}}{ }^{\text {C }}$

Lameness in Horses. XII
Ringbone is a term applied to a bony deposit situ
ted tetween the fallok and coffin ioints. The

 ticeable ony on one or
but is called ringbone in all cases. Ringbone is of
two kinds, viz., false and true. False ringbone is an exostosis a a bony growth) on the bone between
the fetlock and pastern joints, but it does not involve either joint and does not cause lameness, except in very rare cases, when it is very large. Some con-
sider that it does not constitute unsoundness, but as
there is a danger of the growth extending, and involving the joint, hence a horse affected should be True, ringbone is one in which either pastern
or coffin joint, or both, are involved. Where the coffin joint is, diseased, it is called low ringbone, when the pastern joint is diseased it is called high
ringbone. By involving the arfealations, these cause more or less acute, obstinate, and, in some cases incurable lameness. Ringbones, whether high or low,
vary greatly in size, but the degree of lameness is not vary greatly in size, but the degree of lameness is not
indicated by the size of the deposit. An animal with but a small deposit may go very lame, while another Causes.-In most cases there is an hereditary pre disposition, and if the breeding of the animal affected can be traced back for several generations, it will
generally be found that an ancestor, more or less remote, suffered from the disease. It is usually caused by concussion during progression. By this means (called the cancellated tissue). This extends and (canled the cancellated tissue). (called the compact
involves the outer structure
tissue): an exudate is thrown out: this becomes contissue); an exudate is thrown out; this becomes con
verted into bone, causing the visible enlargement When the joint is involved, the cartilage which covers the ends of the bones is destroyed, and this causes
acute lameness. While it is doubtless possible for a ringbone to result from an external injury, as a
kick, blow, etc., it is very seldom that such occurs. Symptoms.-In the majority of cases lameness
irregular in the early stages; sometimes lameness will be well marked, at others not so acute, and som times entirely absent. As the disease al'vances and
the joint or joints become more thoroughly involved,
lameness becomes constant, and more or less acute. In
cases when the coffin, or navicular joint (which is
situated within the hoof) is diseased, lameness is often situated within the hoof) is diseased, lameness is often
apparent for considerable time before any enlargement an be noticed, as there can be no visible enlargeabove the hoof. Lameness, in these cases, is often enlargement soon becomes apparent, when the diag-
nosis can be confirmed. The somewhat common idea that ringbone is due
to the presence of some abnormal organ or object to the presence of some abnormal organ or object
called , the feeder," and that the removal of this
feeder, by cutting into the fetlock pad and dissecting nut a quantity of fat or other tissue, is, of course,
totally without foundation. Ringbone is purely a involves other tissues, and destroys them, it is essen tially a bone disease and should be treated as such.
The inflammatory action continues, and the exudate thrown out becomes ossified (converted into bone)
When the articular cartilage of a joint is involved it becomes destroyed, and, as the process of ossifica-
tion continues, the bones of the joint become united this process is called anchylosis) and, of course, cease When anchylosis has become complete, inflammation action, owing to the stiff joint, but pain is no floulty present, and the animal will go practically sound, notpractitioner aims at simply curing ringbone, the he does not attempt to remove the enlargement. The to its innermost parts, and a little consideration will
convince an intelligent man that it is impossible to effect a removal of the enlargement. Treatment of anchlosis, for, so long as this is of the process
lameness will be shown. This is done by comete, ifritation in the form of blisters or firing, which sets up a superficiastent the process of anchylosis, which is
matlowed by a subsidence of inflammation and lamerollowed by a subsidence of inflammation and lame-
ness. In quite young animals, repeated blisterings may
ceffect a cure, but in the maiority of cal ness. An quite young animals, repeated blisterings may
effect a cure, but in the majority of cases it is better
to fire and blister at first. This should be done
as the proeess mentioned is sometimes very slow When a recovery has not taken place in ten or twelve
months, it is well to fire again, and if this tais months, it is well to fire again, and ase his fails to and the only means of removing the lameness is by the operation of neurotomy, which consists in re moving the nerve supply to the foot. The operation
can be performed only by a veterinarian. It do can be performed one, but removes lameness by rea moving sensation. As the process of repair and decay goes on in the foot after the operation, in just
the same manner as before, and the animal will the same manner as before, and the animal will not
show symptoms of pain, hence is liable to become show symptoms of pailly, useless, from various causes, it is not considered wise to operate except in cases where the animal ie practically useless from severe lameness. WHIP.

## Horse Memory and Habits.

Editor "The Farmer's Adrocate":
During a season when many of us do a little colt training on the side, it is well to take advantage
of the remarkable faculty of memory possessed hirses. This was recalled to my attention the other day: Over five months before I had driven with
a single horse by an unusual street route into my market town. At a certain corner 1 turned off on turning over the same course in the afternoon. During the following months Irove many times to lown, but not orer the particular streets in queśtion the little side street, however, but on reaching the corner immediately the horse started to make this
turn I gave him five months ago, and it good tug on the reins to keep him to the sired a course. This recalls another instance during the past year. For the first and only time I drove through the road gate-way into a farm yard and remained
about half an hour, and then returned the way I had used the road in the interval, I chanced to drive over it again, but in the opposite direction. On coming near the entrance to the farmyard above referred to, gate-way as though it were a dally toutine. I could cite similar cases with other horses, but these are sufficient to suggest to what extent advantage might be taken of the vivid and seemingly permanent impres habits are so easily inculcated it certainly attache importance to every action in handling horses, young
periences bearing on this point.

## LIVE STOCK.

Making Pork Out of the Spring Litter.

Aimost anyone can raise a litter of pigs, from weaning often bring them along much more profitably than can
another. Simply raising them is not all. They should be raised economically, or in a broader sense of the hogs for 9 cents a pound, and show a profit, but, unaround 89 per cwt., and we can never tell what they taking cognizance of the supply, determine what the price shall be. In the production of swine, and other of gain as small as possible in all cases, and still obtai the desired quality in the finished animal. This does
not imply a meagre bill-of-fare. Judicious feeding and - stunted uneven litter of pies is a dufficult pron position to start with. A stunted piz has not many months to overcome the handicap, and it is likely to the sow in proper condition when she farrows. feed hed ightly at first on warm slop, containing a little mid dings or bran, and do not bring her to full feed for a begins to regain her normal condition, when the sow better, as a ration, than a mixtue (equal parts) of inely ground oats and middlings allowed to soak be
tween feeds. If sweet skim milk can be added, the ration will be an excellent one. Wheat bran and shorts, milk is also very suitable. Some feeders recommend a mixture of chopped rye, with half its weight of wheat Tran added, and alrowed to soak for 24 or 36 hours To maintain an adequate supply of milk.
Many breeders make the mistake of weaning the pigs too young. It is sometimes necessary to have
them away from the sow in time to breed for another litter the same year. However, this can usually be
managed, even when the young run with the dam for eight weeks. Gradual weaning is less likely youngsters a set-back, from which they do not readily recover. At about three weeks of age, the pigs can be
taught to eat. At this stage they should be provided with a trough in a corner of the pen, or run, which is them with, but, after they ""get the habit," their allow-
ance can be changed to skim milk and porridge, made case is incurable,
lameness is by consists in by The operation narian. It does
ameness by re repair and de
peration, in jus animal will not able to become is not considered
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WHIP.
Habits y possessed by ad driven with 1 turned off on many times ts in question
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he Sprins ss, from weaning fitably than can
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atter to produce profit, but, un-
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ng a little med mid-
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24 or 36 hours of weaning the ressary to have can usually be
ith the dam for ely to give the e pigs can be or run, which i
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of ground oats, from which the hulls have been sifted, quent their trough many times during the day, and help themselves to the mother's rations besides. If this practice is adopted, it will be little change to them a aght weeks of age, when should go on thriving and suffer little from the absence of their mother's milk. If there are one or two emall ones in the litter, they could be allowed to re-
main for a few days, in order to consume the excessive main for a few days, in order to consume the excessive supply of Dry oats and very little slop should be fed to the dam when it becomes necessary to dry her off. The two common ailments of little pigs are thumps and scours. ing and indigestion. To prevent these troubles, keep ing and indigestion. the sow healthy by feeding the proper ration, and along with it provide a few roots which are cooling to
the system. The youngsters should not be allowed to the system. The youngsters should not be allowed to
become too fat. Thumps are liable to occur when the become too tat. excess of fatty matter. We have heard of young pigs, showing symptoms of thumps, being placed in a box. In their endeavors to escape, they take considerable exercise. A couple of hours each day of thrifty, healthy performance
condition. Exercise is important in all cases-both for the parent and the offspring. It is conducive to health
and thrift:
Middlings and finely, ground oats make a very good ration for growing pigs. Barley is also a good feed
for shotes after they have acquired some size. A few roots, pulped and covered with meal, will be eaten greedily after the young pigs become accustomed to
them. In the total absence of milk, tankage has been used fairly successfully. It seems to supply that desire, or need, on the part of the swine for some form of animal
feed. It should be the aim of the feeder to keep the feed. It should be the aim of the feeder to keep the pigs hearn, arowing period, and a finishing period. The ultimate
be a growill
carcass will be produced more cheaply according to this

## Determining the Age of Cattle.

## Could you give me, through yoar valuable paper

 mome hints as to how one might tell the aeg ofcow by the teeth?
If possibe 1 should like to cuts of teeth for every change, but if not convenient to publish these khandy state where 1 eaul

It was customary for years to determine the age of cattle by the rings on their horns. Since de-horning bas ben so generany praciced, of aate years, it is
often dificult to be sure of the age of cows or oxen, end when horns are absent the teet providide the only
 the lower jaw there are eight incisars, and
theee instead of oeing fixed solidly in their aviis these instead of being fixed solidy in their cavities
like those of $a$ horse, are imbedded on a layer of cartilige e which allows of a considerable amount of
mion whirch motion which probably protects the cushion of the
upper jaw The two midde incisors are known as pinchers the next ones on either side, as frist in-
termediate tcecth; the next as second lintermediate and the outside ones as corner teeth. Like the horse,
the ox has two sets of incisors, the temporary or milk the ox has two sets of incisors, the temporary or milk
teeth, and the permanent ones. The milk teeth are distinguished from the permanent ones on account of being narrower and smaller. Their enamel is thinner,
and they are more curved to the side. Incisors and they are more curved to the side. Incisors
ocarcely reach their full development when they commence to be worn by contact and wearing action or front border and the commences at the anterior the posterior, or back part of the upper face. When
it has completely removed the conical eminence and the lateral gutters, the tooth is said to be levelled and e table is formed.

system, than by excessive feeding from the first. We would not advise skimping pigs, but we would recomgood pastures. After the pigs have developed to about to turn them on the grass be a very opportune period continued to the extent of one half, or three quarters of what they would be allowed were they confined There is nothing better as pasturage than a small field has ñot been made previously, the plan suggested page 256 , in the issue of February 17 , might be adopted. There it was recommended to sow oats and barley on a small strip near the building, and seed with red clover,
about 8 or 9 lbs. to the acre. Cut the grain for feed or hay, in late June, and turn pigs on the clover which will grow up quickly, about the middle of July. Whise it impossible to allow the swine any run of system of soilage. Clover, alfalfa, or to follow some thrown to them in their pen, will be appreciated. Later the season, roots could be used. The demands upon the grain bin can be greatly reduced by supplying an
abundance of roughage and cheap fodder. At the present prices of grain, the plan suggested should be A number of swine breeders have made the practice of feeding meal only twice a day and water at noon.
One farmer in particular who feeds in this manner uses considerable oil cake with the meal and soaks the mixture in candy pails in the piggery between each As a conditioner, provide a box, and in it keep a
mixture of salt, sulphur, hardwood ashes and lime Give the pigs free access to it at all times. Corn is one of the best feeds that can be used could be barley or wheat. In part of the ration three would give very excellent results.


Ste

The cattle beast has six molars ini each arch, of both sides of the jaw, making twenty-four in all
The arch is shorter as the teeth are smaller first molar is is quiter small; the second is larger, and they increase in size to the sixth. The first three oc cupy about one-third of the arch, and the last three
occupy the remaining two-thirds. There are three temporary molars, and six permanent molars in each arch. According to Girard, an authority on the dentition of animals, the first temporary molar ap the eruption or the appearance of the second and third molars, which are sometimes through the gums at birth, or appear immediately after bitth. The accompanying table indicates approximately whet
the different teeth appear. In one column will be found the periods of eruption according to Girard while in two of the columns are the periods of eruption for precocious and common animals according to the sidera!le variation in the eruption of the teeth. This depends upon the quantity and quality of the feed upon the breed of the animal, and upon other cir
eruption of temporary and permanent teetb

|  | Girard | Average | e Author |
| :---: | :---: | :---: | :---: |
|  |  | In Pre- cocious an'ls | In Commo1 animals |
| Temporary Incisors. | At birth. | At birth. | At birth |
| Pinchers |  |  |  |
| Intermediate | At birth | At birth. | At b |
|  |  |  |  |
| Intermediate | 5 th to 9 th dy <br> 13th to 19 th | 512 days. | $\begin{aligned} & 12 \text { days } \\ & 18 \text { days } \end{aligned}$ |
| Molars- |  |  |  |
| 1 st | 6th to 12th <br> Earlier <br> Earlier | 6 to 12 days At birth. At birth. | 18 to 30 day After birth After birth |
| 2 nd |  |  |  |
| 3 rd |  |  |  |
| Permanent |  |  |  |
| Pinchers | 19 to 21 mos. | $1 \mathrm{yr} .6 \mathrm{mos} .$. | 20 mos |
|  |  |  |  |
| Intermediate | 21/2to 3 yrs.... | $2 \mathrm{yrs}$.3 mos. | $2 \mathrm{yrs}$. |
| Intermediate | $31 / 2$ to 4 yrs . <br> $41 / 2$ to 5 yrs. | $\begin{aligned} & 3 \text { yrs................. } \\ & 3 \text { yrs. } 9 \text { mos. } \end{aligned}$ | 3 yrs. 6 mo 4 yrs .6 mos |
| Corners |  |  |  |
| Molars- 1 st | $\begin{array}{\|l\|} 21 / 2 \text { to } 3 \text { yrs... } \\ 12 \text { to } 18 \text { mos. } \\ 3 \text { to } 4 \text { yrs... .. } \\ 18 \text { mos....... } \\ 21 / 2 \text { to } 3 \text { yrs... } \\ 3 \text { to } 4 \text { yrs... .. } \end{array}$ | 2 yrs. 6 mos. <br> 1 yr. 6 mos. <br> 3 yrs. <br> 1 yr .6 mos . <br> 2 yrs. <br> 2 yrs 6 mos. |  |
| 2nd |  |  |  |
| 3rd. |  |  |  |
| 4th. |  |  |  |
| 5th. |  |  |  |
| 6th |  |  |  |

The calf is sometimes born with no incisors, bu usually the pinchers and first intermediate teeth ap pear through the gums. The second intermediat
teeth appear about the tenth day, and the corne eeth seven to ten days later, but they sometimes a At the end of about twenty months, the temporar inchers are replaced by the permanent ones, whic ill have assumo Between two years and three months, and tw years and nine months, the permanent, first inter mediate teeth, or those coming next to the pinchers
should appear. termediate teeth in place. The second intermediat temporary teeth are being pressed upon, and bein Between three years, and three years and one
Betw Between three years, and three years and one
half the second intermediate milk teeth wil
be replaced by the permanent oncs. In Figure

i.g. 3-A mouth at three and a-halif years.
the second intermediate teeth have reached the level of the arch, and th
some signs of wear.

Between three years and nine months, and four and a half years, the permanent corner teeth are through the gums, and the mouth is complete.
Figure 4 shows where the permanent corner teeth have just replaced the temporary ones; they are still in an oblique position, not having completely emerged from the gum.
now levelring period of the permanent teeth can now be studied. At five years the pinchers have commenced to level. At six years the pinchers are so, and the corner teeth are somewhat worn. This is shown in Figure 5(a). At seven years the first intermediate teeth are levelled; the serond inter mediate are much worn, and the corner teeth will have lost their enamel at the anterior extremities At eight years the entire tables are levelled, and the pinchers commence to show a concavity, which corres ponds to a convexity of the cushion of the upper jaw. At nine and ten years The taile of the pinchers is almost square and the dental star of the pinchers and first intermediate teeth has become long and dis tinct. During this period from six to ten years the rounded arch formed by the incisors gradually loses its convexity until it almost forms a straight line. The teeth appear to separate, and the gum shows between them.
From this time on there is a progressive change in the shape of the teeth; the crowns become worn down
with more or less rapidity; they diminish in size with more or less rapid stars become larger and square, the teeth seem to separate, and the retracting gum leaves the age the teeth of the animal will become triangu lar in shape, and will commence from this time on to be worn to the stubs.

## THE FARM.

## A Question Worthy of Thought

## 

When we see an article in "The Farmer's Advo cate" signed "W. C. Good," we know
reading. His "Questions of the Day in your issue of Feb. 17, is no exception. It contains in a comparatively few words, many constructive
ideas which our governments, both provincial and federal, should consider and act upon. indiscriminate recruiting in rural districts, every man scription of human life, without conscription of wealth, must appeal to every thinking man as the plainest
of plain common sense and justice. His remark that of plain common sense and justice. His remark that
"those who have glided this country's public policy during the last quarter of a century are not to be penned, as one who has roamed the corridors and penned, as one who has roamed the corridors and untold reams of verbiage in the gallery, until utterly
satiated, can abmandly testify. satiated, can abundantly testify.
I would like to write on the wall, in words of fire, that every farmer and every thinking man in this great Dominion might see and heed, that "Those who have guided this country's public policy during Their motives, as Mr. Good says, "may be benevolent; if so, their stupidity, greed, and lack of foresight, is almost incredible
After years of close contact with political life at
Ottawa, let me assure who are the chief sufferers at the stupid, grafting hands of "Ottawa," that in the historic words of
Sir Mackenzie Bowell, political Ottawa, as I have knownily' " a nest of traitors." Thank Heaven there are notable exceptions, but they are so over-powered by the grafters, party henchmen, and log-rollers, that they are less than voices crying in the wilderthis country's interests and resources are literally bought and sold, practically in the open, their voices are scarcely heard at all.
Then let me again quote Mr . Good, whose words are so apposite that they cannot be improved upon,
"If this country is to be saved, democracy must be-
come a fact instead of a name amongst us, and power


 with the support of innumprathe pratasites; and now indusys. at whw we.tened and totering. What is article heallse 1 the hits the real, red-hot that know whore and how to strike with accuracy and because ferl that his ferse sentences are ${ }^{3}$,
message to farmers, which ought to be borne home by constant reiteration.
And now 1 will quote again what is. even more
important than anything quoted before, because Mr Good's words are constructive and show "a way
out." There is, I believe, a cure, a composite one. A new new purpose animate them. A real interest in politics must be born, false gods must be dethroned, and false prophets banished. Forms of taxation,
hitherto accepted without challenge, must be exhitherto accepted without challenge, must
amined, and, if pernicious, ruthlessly abolished amined, and, if pernicious, ruthlessly abolished. In-
dustry and commerce must be freed from the burdens dustry and commerce must be freed from the burdens
hitherto and now oppressing them, and labor must be githerato and now oppressin,
"All this and more must be done. But it will not be done easily or quickly. It may be done, figuratively if not literally, through a sea of blood, this people, politically and socially, will decay and perish, like many nations in the past, and what material evidences of its civilization endure will be exhumed in future ages, like the temples and pyramids of Egypt, silent monuments of grandeur, folly and
slavery. If we had discerning eyes we should see many temples and pyramids in Canada which are just as truly significant of national folly and economic slavery as any in ancient Egypt. But we have not yet discerning eyes; we do not really believe that the road to material prosperity is by seeking first the Kingdom of Righteousness. Shall we see or perish?"
The part of the foregoing quotation that farmers need first to take home and make, as it were, a part of their being, is this: "A new spirit must take possession of the people and a new purpose animate
them." In plain, every-day terms, we have got to


Fig. 5-The levelling of the permanent teeth. (a) Six years
cease being little Liberals and little Conservatives, and become plain Canadian citizens intent on havness" term, "managed") in a co use a more "busi-business-like manner, with the interests of the whole people generally at heart; not, as in the past, and at present, with one section of the people dominant and legislating almost wholly in their own and their iriends interests, utterly forgetful of-or, to use a
better term, ignoring-the real, vital business needs of the country.
In a word, there are too many lawyers, and tod many representatives of
Business, in Parliament. These three chance Big a clique as powerful in the government of thises form and almost as mischievous, as the war lords in Germany. A newspaperman who "does" Parliament
$H$ lill for a few sessions, soon learns when stripped of their veneer and you get down to calling admirable quality which we call "Sincerity," to be Peace to their ashes! Is it too much to hope that says, "a new spirit takes possession, as of the frood and a new purpose animates them" "' is just people and the other fellows on the next comorscion please ghad-hand experts at making loopholes and jumping men home like IV. C.Cood, Peter McArthur, E. C Drury, and a few others we could name -men of
honesty, of undoubted ability, common sense discernment-just as long as we continue to do this
thing, we shall have trickery, jobbery, graft, and every kind of dirty ward politics literally oozing
out at every crack of Political Ottawa, with Sin cerity hiding away back among the Gatineau Hills, chance as a straw hat in the swirl standing as much Falls.

Politics!-" "the science of government; the regu-
lation and government of a nation for the prest tion of its safety, peace and prosperity." "That's ing to too many of us is "t meaning. The real meantween two parties, wherein the boys on one side strive with might and main to down the other side," with the ward heelers sic-en em on, and supplying the filthy lucre to buy over any doubtfuls that can be bought, and the sittal, mouse-colored speeches mere and little then the automobiles and fast horses, and there; drunkenness on Election Day, followed and much years' denunciation of "our representatives" and all their works.
And that is the way Canada is governed! Be ginning at its source, this dirty, corrupt business and these scandals at Ottawa, which rile us and fill us with righteous indignation, were hatched and started by none other by net just what we payselves. In simple language, keep on ordering the same old dish and then we shall the cook, just so long as the present system of boverg ment and choosing representatives survives of governIt is curious that while people deplore and lute" against a system and its evils for four "resoyears on end, they should become so hypnotized and unbalanced by an election campaign as to vote again in the same old way, and for the same old parties and The onl
The only remedy appears to be a radical change stitute that has appeared to date as andy subsuccess is the Initiative the Referendum working Recall, which, where it has been tried, has certainly increased the people's control over governments. 'democracy must become a fact instead of a name a mongst us, and power must be given to those who
see, instead of those who are blind." In other words, to use the axiom of early French radicalism, "the cure
for the evils of democracy is more democracy." direct legislative powers into the facts about putting that the peopie never afterwards get convinced that they don't know how to use those powers. As an American writer has put it, "you can go out and tall hat they are over-working themselves with the efiort to understand about their own business, and that they haven't the intellect.al calibre to transact it
as well as you could do it for them; but you don't In a later article I will endeavor to sketch briefly an outline of this new form of government, that readsense and simplicity. nto which many of our present institutions must surely go, and among them will be many of our time-
honored systems of government, local, provincial and honored systems of government, local, provincial and federal. Britain has shown the way by nationalizing her railways overnight, as it were, by a stroke of the pen, by practically revolutionizing her financial syssense things, which Big Finance and Big Business in ordinary times would have fought against for years right back to the last ditch. This war, at least, proves that when we are put there is no time for humming and hawing, and because we won't count the cost at such times. After the war it will be surprising if the people of Canada, pull the wool from their the class-ridden world, don't termined recklessness with which with the same de the war, throw off some of the shackles which fought impeded their progress and prosperity. And the worst shackle is the shackle of party politics, wherein men array themselves against each ther, too often for no more sensible or justifiable
reason than actuated the German people who allowed reason than actuated the German people who allowed
themselves to be arrayed against Belcium and France and Russia, and the rest of the Allies. The simile I have used seems strong and extreme, and, yet, when you look at it broadly, is it so ex
treme after all? The conflict in Europe we call War Now, war is a contest carried on by force of arms, speak of "the art of war."' Well, if party politics at election time isn't all, or nearly all, of those phitics, in action. Party politics divides men into two hostile (sometimes mighty hostile) camps; there is opposi-
tion where there ought to be co-operation for the public good at the most critical times in the life of the up to the fact that all our governments be waking gally extravagant, and viciously careless. Waste (in which you and I are shareholders) which would large business concern. And for a moment in any concern in the country is the government, though you Hill for a few weeks while Parliament is Parliament We shall shake off the shackles when we discern that something is fundamentally wrong, and that we portunists fooled by a few smart theorists and oping class by reason of their wealth or superior persons, who knew better what was good
for us than we knew ourselves, The real mean-
of strength be one side strive
her side," with plying the filthy
can be bought, e making little here a
ses, an ves" and all pt business and us and fill us ub-divis started imple language ad then be shaming
stem of governvives. for four or five hypnotized and old parties and d the only subas a working d, has certainly savs Mr. Good, ead of a name In other words, about putting s of the people, go out and tallk persuade them iness, and that but you don't o sketch briefly nent, that read-
see its common a melting-pot ny of our timeprovincial and y nationalizing financial sysBig Busines hen wer simply becaus
awing, and be h times. After ople of Canada, th the same de y have fought
les which have ckle of parts or justifiable
who allowed Belgium and the Allies ly, is it so ex. orce of arms, f party politics of those things, into two hostile
here is opposin the life of the $v$ be waking eless. Waste which would iggest business , though you is in session. hen we discern
g , and that we eorists and opnselves the rulor education-
what was good

March 9, 1916
A writer who evidently does his own thinking the other day penned this: "Unfortunately, educated men are quite as likely to use their education for evil purposes as those who are uneducated, and this is particularly true of lawyers and public speakers.
It is only necessary to go into courts of justice, almost any day, in order to see how lawyers use the educaany they have received to assist them in defeating
tion the ends of justice, and in robbing people of their rights and money. In like manner, a well-educated

THE FARMER'S ADVOCATE
speaker is often able to overthrow the arguments and tional as long as it is a mere collection of party poli advocating the efforts of a less brilliant man, who is dangerous thing, how much worse is a great deal a knowledge in unscrupulous worse is a great deal of The other day no less a thinker than Lord Rose Churchill's regrettable along the same lines: " "Mr the appointment of a non-political man of was fo who for the purpose of retrenchment would be in valuable to the government, which can never be in
tional as long as it is a mere co
ticians. We want new blood."
"Ae mant new bection of party politicians.
Lord Rosebery must have been talking to Canadians!
. MARTIN
Provide suitable stalls in which cows may be pu when about to freshen. It is well to disinfect each

## Farming a Perth County Farm for Profit.

Maple Leaf Stock Farm in Perth county has an air of prosperity about it. The comfortable house,
commodious barns and thrifty stock, all point to good commodious barns and thrifty stock, all point to good for everything and everything in its place, appears to be the rurtnership with him, and all work together to make Maple Leaf Farm the most desirable place to live in, in Perth County. In all lines of agricultural improvement Mr. Hooper is a leader in his community. The home farm comprises 125 acres, of clay-loam 125 acres, one of the sons is located, and a short distance away is a pasture farm on which the young stock is always have things so comfortable as theyer did not present time. The farm was somewhat run have at the it was purchased some years ago, but, by down when crops, growing clover and feeding live stock, the fer tility has been increased until at the present time it is claimed to be one of the most productive farms in the frounty. Five years ago fire destroyed the barns, In planning the barn and stable the aim was to have everything as convenient as possible in order to save The barn is T-shaped, as shown in the accompanying illustration. The main part is $40 \times 102$ feet, with a cement block foundation. The stable is fitted throughout tie 23 head of cattle in one row, with 3 feet for each stall. On the opposite side of the stable there is room for a number of calves, stanchions room, and large feed room. At the south end, separator single stalls for 5 horses, besides a large box stall. The stable floor is cemented throughout, and the mangers are of cement. There is a grave! pit on the farm, and Messrs. Hooper put in all the cement work themselves.
The ventilation for this part of the stable is by means of one-inch pipe, put in about one foot from the floors fun up through the wall, with an outlet about a foot rom the top of the foundation. This system has given entire sati-faction. The stable is well lighted wide and 4 feet long, put in vertically, about 3 feet slide up and down. At the north-east end of the main barn is a frame building, 34 by 56 feet, with room for tying 18 head of cattle, besides five box stalls. This rart is built of two-ply lumber, and one-ply of Building paper, and it is believed to be more satisfactory than the cement block wall. There are four windows on the south side and five on the north, the windows being made to slide up and down and are used as a built on the north end of the barn, directly in front of the feed room, and roots, silage, and cut straw are conveniently placed in readiness for feeding. A large the-wheeled cart is used for conveying the feed along the passageway. It is the intention to put in a feed
carrier for this work. The litter carrier runs from all parts of the stable, hog pens, and horse stable, to the yard, and is considered one of the greatest conveniences of the main . The well is located in the passageway pumping water stable and a gasoline engine is used for s piped to all farts of the stable, the near by. Water plied with basins between each twe cattle being supto the engine at from the tank in the stable made for putting down hay and straw in each passage way as required. Under the stairs of the feed room is bin is built for which is filled from the barn. A similar is large, having 20 -foot posts on the outside and a hi to drive any where in the barn when and it is possible The hog pen,
the north-west corner. The conned with the hog pen on by 63 feet, with a cement wall 8 feet high, and a straw
or hay or hay barn over it. On the north side are six pens,
which are ued for feeding hogs, and on the south side
are seven troughs are of cement. There has been no trouble from
pigs slee were put in $t W$ or three pens as an experiment, and, so
far, are considerable trout)le was experionced the feeding pens pigs crowdink the smaller ones in the trough. This was remedied by fastening 8 -inch plank edgewise every the trough. Each pig now has its own stall when feedA large window in each pen furnishes sufficient light the passarearier from the main barn extends down vey the manare to the main yard. and is used to con
are used for starting the pigs. For finishing, mixed roots as used for starting the pigs. For finishing, mixed grain
an the place is principally used. About 50 pigs are fed off this farm each vear, but with the best of care and feed, it is found difficult to have the pigs
weighing 200 lbs. before they are seven months

A five horse-power gasoline engine
A time horse-power gasoline engine was installed at ever since. It is considered a great labor saver, and is

Arrangement of Buildings on Maple Leaf Farm.

quire about the same speed, and that work is usually done at one time. For the heavier work the engime is speeded higher. It has been found that the following
sized pulleys give satisfactory speeds: A twelve-inch pulley on the engine'and a ten-inch pulley on the line shaft; a 3 -inch pulley on the line shaft connects with a 9 -inch pulley on the separator; a 10 -inch pulley on an 8 -inch pulley on the line shaft pulley on the pulper; on the emery wheel; a 14 -inch pulley on the line shaft to 16 -inch pulley on the cutting box; a 30-inch pulley on the line shaft to an 18 -inch pulley on the grain roller; and 14 -inch pulley on the line shaft to a 16 -inch pulley
for the pump. For driving the fanning mill, a six-inch pulley on the shaft runs to a 7 -inch pulley on a jack, and a 5 -inch pulley on a jack to a 6 -inch pulley on the
fanning mill. By use of the engine much hard anning mill. By use of the engine much hard work is

TWENTY-FinE ACRES.
On the home place, comprising 125 acres sufficient feed is grown to winter 70 head of cattle, 5 or 6 horses,
and about 50 pigs, besides furnishing pasture for 20 head of stock through the summer. The aim is to follow a three-year rotation. Sod is broken upand sown
to corn, fall wheat or oats. The corn and root ground is sown with mixed grain and seeded down. One crop of hay or pasture is taken off, and the land is broken up again. On the 125 acres, 20 acres of fall wheat are grown each year as a cash crop. The wheat is sold and the straw used for feed and bedding; 15 acres of oats and 20 acres of mixed grain (one bushel of oats, one bushel 20 acres of mixed grain (one bushel of oats, one bushel
of barley, and one half bushel of peas per acre), com-
harnessed to do a large amount of work. During the five years the engine has been running, $\$ 10$ would cover estimated thaser and above gasoline and oil. It was winter months A linens of gasoline would run the six through the feed room, and is fitted with varion, sized pulleys necessary to give the proper speed to the different machines. A cream separator, root pulper emery stone, and pump, are run downstairs, and in the barn the cutting box, grain roller, and fanning mill are

prises the grain crop. Fifteen acres of corn is usually grown; this is sown in drills and the improved Leaming is preferred to all other varieties.
crops on this farm. It is usually cut in the glazed stage, or a rule which has proven satisfactory is to cut the corn when it is past use for the table. Five acres of roots, and one of potatoes, make up the hoed crop. remainder of the farm is in pasture. All grain crops ${ }_{6}$ on this farm are seeded every spring, the mixture being 6 lbs. of clover, 6 lbs . of timothy, and stock mentioned this far through the winter, there is still an ample supply of feed in the barn, granary and silo to supply the reFrom the stables are taken about 500 loads of manure each year. When possible, this is drawn directly from the stable to the field
for corn and roots.

THE SYSTEM OF FEEDING.
Practically all the stock kept and fattened is raised on the farm. About 16 grade Shorthora cows are
kept all the time, and an endeavor is made to have them freshen in the fall. The calves are given whole milk for the first two weeks, and gradually weaned to skim receiving 15 lbs . of skim milk per day, and rolled oats roots, and clover hay are kept before them. After they appear to do very well on it. Calves that are dropped before January 1 are ready to go on grass in the spring.
A few calves are usually bought to bring the number
of young stock up to twenty or twenty-five.
The yearlings are wintered on silage, cut straw roots, hay and a little grain. They have water before The two-year-olds which are being fattened, receive the sarhe ration of roughage, and one gallon of grain (oats and barley) twice a day. The cows are given all the roughage they will eat, and grain is fed according to the turned out during the winter, as it is believed they do better to remain in the stable. Silage forms the basis of the ration for all the cald have to be reduced are: also valued highly, but are pulped before feeding.

Side Lights on the Budget.
BY PETER MCARTHUR.
I don't know, but it looks to me as if there wer going to be fun for the unregenerate in watching the member that a few years ago business men of my acquaintance used to describe all remarks about
watered stock as "loose talk." Really, there was very little of that sort of thing. Business was a deep
thing, not to be understood by critical laymen, and in the main it was run on conseryative lines. Then they would pass their excellent cigars and ask me to much that might arouse public indignation. Busiaess men stuck together, and as Dogberry would say, gations with a tolerant smile, and advised that we should leave well enough alone. But listen to them loud, and they don't care who hears them. Conservative business mien whose stock represents capital in their protests against being taxed on the same basis as the men whose stock is mostly water. There is no hesitation now in talking about watered stock. how things might work out if the tax is not modified
$\qquad$
two hundred thousand dollars. Although the business
prospered and most of the profits during the past
ten years have been invested in machinery, buildings and campaigns to reach wider and more profitable million dollars as a going concern, the sharehokers before beginning to pay a tax on profits. Taking into consideration what has been put back into the
business and the real value of the concern, they should be allowed seventy thousand dollars before heginning to pay form a
the Canadian public. If the new tax enables us to locate this watered stock it will cause a shake-up for even by the most fanatical reformer. Honest business men who fight for their rights is and how public know it is, and they will do it in a way that no one can dispute. When business men fall out the public will come to its own. Let the merry row go on! As a by-product of the budget the white worth more to the country at large than the revenue derived from

And there is another side to this new taxation. It is a direct tax , and every business man will know how much he is paying. And when he pays out money in large sums he vows, by the great horn
spoon, that it is going to be properly spent! After this tax is collected the best business brains in the
country will be watching every expenditure of the country will be watching every expendre government to come back for more they will see to it that
what they contribute is not wasted. And they will see to it that all government money is properly spent.
New post office buildings for Skunk's Misery Corners, or a customs house for Cooseneck Lower Falls will be in public affairs it will be time for a change. Grafting, sinecures and special privileges will be looked
into by men who understand business, and what they have to say on the subject will carry weight-even
more weight than when they were telling us that everything was all right. If things work out in this
way I am afraid that a lot of highly-placed, highlyrespectable, high-toned people will have to be honest
in future, and the shock will cause them to make a in future, and
terrible outcry. But will it work out that way?
Time alone can tell. Things seldom work out so logically that one is safe in making predictions. But the same methods for some time after the application of the new taxes.
A farmer who is also a thinker remarked to me while discussing the budget: "The most significant
thing about it is that it shows that we have reached the end of raising revenue by tariffs. Any increases in that direction would only stop importation and delook for direct taxation when it is necessary to properly
shoulder the burdens of the war. And how politicians all hate the idea of direct taxation! Although indirect taxation is the most wasteful and unfair cling to it because it does not let the people know what they are paying. If they are taxed directly they critical. When farmers have to pay direct taxes They will insist on knowing, by heck! just what is going for political parties that have been in the habit of depending on handshaking and fine speeches. The taxed farmer will put on his specs, get a smooth shingle
and a stub of a lead pencil and commence ciphering. And if things don't come out just right what a row
there will be! On the whole, if direct taxation comes it will probably cause a business and political clean-up
that will be worth more than it will cost. It will that will be worth more than it will cost. It will
enforce a public economy that will cause savings all round. But things may not work out that way.
Politicians and business men are "dretful cute."

Clover-A Soil Renovator. Practically every variety of clover is considered
fy farmers to be a soil renovator. It does not require
$\qquad$ dover seed is considered, but, even' at the present high
price a farmer would hardly be justifed in curtailing per acre this spring. There is a considerable variation farmers obtaining a good catch from five or six pounds
$\square$ seed to sow dependsls somenhat on soil condition, pre-
potash per acre. Supposing a crop of hay is harvested, crops than if any çrop, other than a legume, had been grown. Clover roots alone add humus to the soil, in. crease the amount of nitrogen, make the soil more friable, and open it up, thus allowing for a freer passage
of air. Besides being a soil builder, clover, either as pasture or cured for hay, is valuable feed for all classes of live stock. If the aim is to increase the fertility of the soil at least expense, it is advisable to increase, True, there are difficulties in the way of growing clover successfully year after year, many of the obstacles standing in the way of securing overcome. The clover plant demands that certain soil These conditions are: that the soil be sweet and properly underdrained, either by natural or artificial means; that there be available plant food and favorable condi-
tions for the development of bacteria; that the seed be given a good bed and not covered too deeply. On may be tested for acidity by the use of litmus paper by placing a small strip of blue litmus paper in moist sol,
and, if it turns the paper red, lime is required in the soil. Another method is to pour a few drops of acid on the soil is acid. Clover does not do well with wet feet. If of the ground for any length of time, after a heavy rain, few crops do well. The increase in yield of the various few years, besides assisting in giving the clover plant a the young seedling have easy access to available material to give it a start, after which it is able to look
after itself, and return more to the soil than it takes out. Where clover has been successfully grown, there is isms which appear on the roots of the plant are essential to the growth of clover, as they are the means by which
nitrogen is absorbed and stored in the plant and soil. If there is reason to believe that the soil is deficient in
bacteria these may be supplied by treating the seed with nitro-culture just previous to sowing. A culture
is prepared for the different clovers, and may be secured with full directions for using, from the Bacteriological Department, Ontario Agricultural College, Guelph.
For the successful growing of clover, a good deal
depends on the seeding operations, Clover seed is depends on the seeding operations. Clover seed is
small, yet it must contain sufficient plant food $\mathbf{i}$ in itself to develop the first roots and leaves. These leaves
must reach the surface before the tiny plant can commence drawing food from the soil, or atmosphere. If the seed is buried too deeply, the tender growth never
succeeds in reaching the surface and is lost. A rough
seed bed is not conducive to giving the seed a good seed bed is not conducive to giving the seed a good and the small seed lying near the surface does not bed in fine tilth, less risk is involved,
The method of seeding is also important. Sowing the lover and grass seed from a seed box, attached behind the grain drill, is the practice most in vogue, but some
farmers ate trying other methods which, while probably taking moretime, are proving satisfactory. It is claimed
that by sowing behind the drill, the small seeds fall in the furrow made by the drill, and, when a stroke of the difficulty is believed to be partly overcome by turn ing the spouts of the grass-seeder to sow before the hoes
of the grain drill. By this method the seeds are covered of the grain drill. By this method the seeds are covered
with the grain drill, but are brought close to the surface again when the harrow is used. Even with time in the end, especially on some farms, to prepare the seed
bed, drill in the grain, give a stroke with the harrow, then sow the grass and clover seeds with a hand seeder
and follow with a smoothing harrow. The seed bed and the seed would have a shallow covering of soil, which Any farmer who has difficulty in growing clovers, made to find the cause of clover not growing satioson conditions right, then prepare a fine
the spring, and sow plenty of good seed.

A Four-foot Silo. Enitor Tu about small singour issue of February 10 an enquiry and 16 feet high, and I constructed it as follows: The cement, and then I put the studdings or or uprights,
which were 2 by 6 and 16 feet long, 12 inches apart
$\qquad$
$\qquad$ sou understand, I built my silo round, and on the in-
side I lathed it and plastered with cement, and the first
year used for clover silage, and the second year for corn and both kept perfectly.
Shefford Co., ()ue. M. S. T.
$\qquad$ each year, the land is gradually increasing in fertility,
and increased fertilit. ot
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Economy in Labor.

Editor The Farmer's Advocate: As recruiting goes stead the farm labor problem is apand aching an acute stage. Notwithstanding this, the demand for production continues keen. There is little complaint, as the farmer is patriotic and determined to do his "bit." How much he will accomplish depend on fiow far he is able to overcome such a handicap. All his ingenuity will be called into action to devis ways and means. He must farm successfully with as little help as possible.
Most of us are engaged in producing milk, beef or argely home-grown. To accomplish this properly is a pretty fair contract under existing condat some farmer riter has noticed, almost every crop that will grow in attempt to raise In economics there is a principle known as the "division of labor," which may for our purpose be best defined by means of an illustration. For in stance, because a farmer in New Brunswick grow potatoes on a large scale and makes money, it does not naturally follow that a busy dairyman in Ontario can add potato-growing to his operations and be successful The man who makes potatoes his specialty must employ modern machinery to reduce the cost of production to its lowest possible poiry. Hat at a figure even lower sell his output to then it would cost the latter to grow his own supply. than it would cost the latter to grow his own supply
The suggestion is plain. If farmers would give their undivided attention only to such crops as are necessary to their special line and which they are equipped to produce cheaply, buying other supplies from other specialists, both parties tould, in a large measure, cease.
and the cry for help woul

It frequently happens that a good deal of labor is wasted in trying to crop land that is not in condition for cultivation. Suppose it needs underdraining. Severa things are likely to happen that will make cultivation unprofitable. Delay in spring means that in order to get the wotk done on time proba la double the help is three times the amount of labor in preparing a seed bed It is not an uncommon sight to see men shovelling furrows across a field to let off the surface water. Ten chances to one the crop on this field will not pay expenses Figure up the cost of opening these furrows, add the extra labor in tillage involved plus the difference be tween a poor crop and a good one, and the result ought to balance the
class condition.
Sometimes, owing to size or peculiarity in the shape of a farm, there are fields so far removed from the barn that much time is lost during seeding and harvest in
going back and forth. Would it not be better to utilize this land for pasture, giving an occasional dressing of this land for pasture, giving an occasional dressing of
basic slag? That is what an English farmer would do, and his advice on managing grass lands is worth con sidering. Then, instead of having the remainder of th farm laid out in many small fields, have but one to each year of your rotation. That is if a three-year rotation is followed, only three fields will be required. This means an absence of weedy fence rows that require attention,
generally at a most inconvenient time, larger machinery generaly at a most inconvenient time, arger machinery
may be used and there is less turning with teams and implements.
The various European countries at war are reported as still growing, and harvesting crops as heretofore, previous years, if any, falling off as compared with previous years. Investigations made several years ago the best hired man employed on many of these farms was an electric motor Now, with the crop production left to the women and old men, results are practically the same. This country has hundreds of water powers that in the early days were used in running saw mills, grist mills, etc. In a few years, it is to be hoped that hese may be applied to the generation of electrica energy, and by means of co-operation be supplied to powers. A gasoline engine will pump water, grind the powers. A gasoline engine will p
grain or run the milking machine.
In some sections a good plan has been adopted in wn ction with the threshing. The thresher carries his them, while the farmer pays three cents a bushel and boards the men. Thus the farmer is not compelled to change with his neighbors, and has at least two weeks of time that may be used for work on his own land. in labor when suggested that there is much economy labor when the soil has been brought to such a degree of fertility as to produce a maximum yield. "A
little farm well tilled" will give better and cheaper results than a whole section of wornout land. Why not apply this principle to the quality of the stock individual Any one who has made a practice of keeping long in findine out where some of his labor can be re duced. It is hy no means uncommon for small herds of ten or a dozen cous to be giving more milk and conseor creamery, for their owners, than other herds of double the number
of heldently the farmer most affected by the scarcity of help is the one who is working along without any matically directed will accomplish more in dollars and cents than the man who has help, but no system.

IHE FARMER'S ADVOCATE

Eveners for Three or More Horses
Labor will prohably be exceedingly scarce in the spring, but the outlook is for plenty of horse power, Where it can be husbanded and directed to advantage place and will no doubt have to be summered there every known device that will make it possible to utilize the horses more profitably should be brought into us Even if the implements are of the two-horse size, i will pay to put three or four horses on to them and of two horses. In the case of the disc, it can be set at a more severe ang!e and more can be accomplished. In order that farmers may be prepared with eveners and whiffletrees for the many implements and pieces of machinery they will be required to use throughout the spring and early summer, we are herewith publishing

the two horses will have one-third the doubletree and the single horse two-thirds. This will appear simple as we attach more horses and hitch them, to avoid difficulties with tongues, furrows, etc.

In Figure 1 is illustrated a three-horse evener that was quite common years ago. It is usually made about 60 inches long and a two-horse evener is often The from some other implement and attached to it. two-horse eqnections between the large evener and the can be made according to fancy. Robert Brown, of Middlesex County, Ontario, uses an evener similar to this for plowing, but reduced it in length to about 51 inches. A large horse is worked in the furrow, and often possi.le to shorten the evener and whiffletrees. In some cases it some cases it has been found practicabl the leverage. This helps to make the draft of the plow more satisfactory. Mr. Brown claims to be able to make the attachment so the plow will be drawn with no side draft. With heavy horses, however, there might be some difficulty encountered with the short whiffletrees. Figure 2 illustrates another attachment for three horses, but, as can be seen, it is not practicable on a tongue or best on the plow. It is used, however, on implements drawn by three horses, where the tongue is replaced by large shafts. In recent makes of this evener the
attachments for the whiffletrees are set out in front, instead of being clamped to the doubletree, as shown in the illustration. One advantage of this style lies in the disability of the whiffletrees to swing about and become caught or tangled. A three-horse evener for
a tongue is shown in Figure 3. This make has been a tongue is shown in Figure 3. This make
criticized as not distributing the draft evenly.
In Figure 4 are illustrated some different types of hitches for four horses. The four-horse evener is not two teams. Fig. 5 illustrates a method of arranging eveners for a riding plow, so as to keep the the plan was sent to THe FARMER'S ADV•CATE by a correspondent. We have never used it, and cannot vouch for its effectiveness. $A$ and $B$ are doubletrees, such as are used on any implement. C is a strong doubletree, 5 feet 4 inches long. From the right end to centre of first pulley it is 7 inches; from centre of first pulley to where plow-head clevis fastens it is $151 / 4$ inches; from centre of first pulley to centre of second pulley is 24 inches. At the $21 / 2$ inches
the doubletree, C, bore three holes; first one, 21 the doubletree, C, bore three holes; first one, $21 / 2$ inches
from the end; second hole, 2 i imehes from first one; and from the end; second hole, 2 i ches from first one; and
third hole, 2 inches farther on. Fasten the left-hand team into which hole is found to
be best. The chain passing through
the pulleys will work more satisfac-
 One end of the chain is attached to B , and the other one can be wrapped around the beam or It is usually attached to where the coulter is, and must be drawn up fairly tight so there will not be too much slack when turning to the left. It is claimed that this eve
without any side draft.

The illustrations published herewith are simply suggestions to those wishing to double-up their teams and work heavier implements. No doubt, some farmers

illustrations of some different types of eveners. The size of the horses, the particular implement used, and the nature of the work, all determine more or less the success of any one. appear most adaptable, and adjust try out those that appear most adaptable, and adactur ing and selling farm machinery have some excellent eveners and whiffletrees, which can be used to good advantage with the implements they sell. Furthermore, the whiffletrees can often be taken from a certain im plement and combined with others on a three-horse or four-horse doubletree. With a little ingenuity it is not difficult to arrange matters so the maximum amount of work can be accomplished by the horses, and by the man who drives them, without overdoing cither. Eveners must be constructed according to a mathematical example: Where two horses are drawing against one, it is obvious that the single horse should be attached twice as far from the point of draft as the two horses;
have improvements on these even-
e should appreciate it very much ers illustrated. We should appreciate it very these doubletrees and eveners could be improved, and we should be glad to pass them along through the columns of the paper There is yet time for farmers to construct such apparatus before it is needed for spring work. Anyone with a good idea would be rendering a service to his brother farmers by giving them the advantage of the information which he has gathered.

Three-Horse Hitch for Plow.
Re inquiry for three-horse hitch for walking plow by W. O. in Feb. . 17 issue, I shall try to explain a
device I have ssed ith device I have used with good results.

I took a steel bar two and one-half inches by one-half inch and about fifteen inches long, drilled four holes, one at each end, and other two to match end holes in head clevis, having as much of bar to left hand side of plow as possible. I bolted it to head clevis, and from hole in left end of bar I put draw clevis, and in hole in right end of bar I put "a clevis with chain attached, and extending to extra large clevis on eveners, using in all four clevises
and three clevis bolts, one bolt poing through two and three clevis bolts, one bolt going through two Ilevses on eveners.
Huron Co., Ont.

The man who repairs the broken telephone wires in an intense bombardment, and, by so doing, gives his own batteries the range, is, under some circumstances, almost as important as a General. He saves the day.

## The Local Postmaster in U. S. A. Becomes Shipping Agent

 and Middleman.
## Editor The Farurp's Advocate

Uncle San may listen to Sir Horace Plunkett telling of the need for the farmers to get together, when he spoke at the Third National Conference on Marketing
and Farm Credits at Chicago, and may have sent men and Farm Credits at Chicago, and may have sent men Agricultural Orgainzation Socriety with regard to the new co-operative societies for farmers, which have
been estallished in the twelve vears of its existence but, after all that, he goes his own way with a little pet scheme of his own, and sets-himself to make the Post Office his instrument for bringing toget her the consumer in the city and the producer in the country. He is
utilizing not only his new parcel post system, but the utilizing not only his new parcel post system, but the
postmasters as well. He does not simply fix rates of postage per pound, for the various zones, and leave it at that, but he is following it up by an act ane campaign carried on by the postmasters of 35 cities, under the
direction of the Post Office Department, with a view to fostering parcel post marketing.
He is wenderfully paternal. He has actually listed
and distributed among the patrons of the city offices names and addresseng the patrons of the city offices, produce offered, and some of his energetic postmaters have issued for distribution to producers, lists of conumers who wish to buy. Now, here some one may ask: Well, we have a new parcel post system here in Canada
how do the two compare as to rates for instance Comparisons are said to be odious, but that must depend hat Uncle Sam which they are made. It may turn out money in the way of cheap transportatimu for the other hand, with his larger population, the system may work more profitably, but he has ecrtainly gyvenn,
in his parcel post system, something very much more than the Canadian Government has done. Of course. there may be various reasons for our Government not doing more. Suffice it to say, that whereas in
Canada the limit of weight is 11 pounds in UU S. A any one can send a parcel up to 50 pounds, in the first and second zones, while even for the third, fourth,
fifth, sixth, seventh and eighth zones, 20 pounds can be sent. And he has been very generous in the matter
of rates. Before we can compare these we must know more about these zones. different princieses. In the Domsinion, there is the the on
mile rate, and then the rate for beyond 20 miles, but yet within the Province, and then various rates ac-
cording to the particular Province to which you are
sending Uncte
 into square units, but as parcel post rates are the same can work on those rates within a radius of 150 miles from the centre of any given unit. And first of all he
has ocal parcel post rates for local delivery. For 11 equally with 20 miles, he only charges 10 cents, and he will deliver 50 pounds for 30 cents. But the farmer living
farther off, say, over 20 miles, but within 150 miles of farther off, say, over 20 miles, but within 150 miles of
a city, has a great advantae. Of course, the rates
are the same for farmer or city man sidering the farmer. If he has man, hut we are con-
selling direct to some suitable for selling direct to some individual in the city, he has the
benefit of very reasonable rates, from one pound to beneft of very reasonable rates, from one pound to
50 pounds. He can soon reckon up the cost when he
knows the e knows the weight. He is told to add 4 to the number of pounds. The result is the pastage in cents. One
pound is 5 cents. Our charge beyond 20 miles, is
10 cents. pound is 5 cents. Our charge, beyond 20 miles, is
10 cents. Our 11 pounds (ilinit
cording ony 15 conts, according to his charge; our charge would be 50 cents.
Hen full weight of 50 pounds would be carried for 54
cents. To this rate he has cents. To this rate he has an exception for places
only reached by roundabout routes That is if the
office to which your parcel is addrese that the second zone, is 300 miles or more distant by the
shortest mail route. Even then he will let you off with shortest mail route Men then he will let you off with
a rate of 6 cents for the first pound, and 2 cents additional for each additional pound pound, and 2 cents a diditional
parcel sent thy for the 1 the roundabout route would be pund 26 as against our 50 cents.
Uncle Sam takes a sort of bird's eye view. He sees









o be usefulu and has been
There and eficient. There must be a good inducement for both consumer It is largely a question of price and quality. On the site of the farmer, he must have something additional to the dsual price to compensate him for the extra
work, container, and postage reauired. The consumer also wants something to attract him. He must have either a better article at the usual price, or an article of the grade usually purchased, at a lower price. It
must be a distribution of the difference between the must be a distribution or the difference between the Now 1 mare
own neighborhood only, that there is a considerable amount of business done, especially in in butter, between the individual producer and individual consumer, at a
distance, here in Canada. The Muskoka woman whose butter is liked by the summer tourist is asked to send some packed butter in the fall. This is sent by express "collect," the purchaser paying the express charase,
and often furnishing the necessary box, bringing it up and often furnishing the necessary box, bringing it up
each summer and deaving it. Whether this sort of busi-
ness could devel ness could develop more, depends a good deal on the express companies. If transportation by their agency
is satisfactory, much of the advice contained in this is satisfactory, much of the advice contained in this
bulletin as to the business relations between buyer and seller, and the economics of such ind ividual marketing would apply. But of course one great difference be
tween the two arences is that the local Post Offec tween the two agencies is that the local Post Offici is near, while the express oftice in the town may be a long
drive of 20 miles. As the bulletin puts it: "An other advantage mo the producer, in pats itel An-
marketing is marketing is that the maiu box or local post
office'becomes his shipping station. This relieves office becomes his shipping station. This relieves
him from any extra trip in order to make shipment, as the rural mail carrier takes the shipment from the mail box, or some member of the farmer's
family deposits it at the post office when going to call post is that it will not pay to this selling by parce standard and fancy produce, and another is that it is reasible to ship only the produce that is of high value
in comparison with its weight The aim seems to be to
The aim seems to be to encourage people to send
 An illustration is given of a bamboo basket with a
handle, and the cover sewed on. Weight, 26 pounds: postage, 30 cents, with the firse and second zones
Corrugated pasteboard cartons are also recommented
When empty , they can be shiped. "knocked down When empty, they can be shipped, "knocked down'
flat.

## (1) by persons contactact as that they call it, may be attained (a)

 priately selected person; (3) by advertising in an anpro-through the post oafice in personal canvass (
( $)$ )
One recalls the advertisements one used to see
The Excheangs the and dvertisements one used to see in in remote parts of Ireland made a specialty of selling
choice poultry in this way. Years ago I remember the British railways also made special concescions of cheap does not generally think of eggs being marketed by parcel post, but there is even a special bulletin on that
by the U, S. A. Department of Agriculture and the present bulletin deals with the markecting of poolltry,
fruit and vegetables.
Other bulletins are to follow Iruit and vegetables. Other bulletins are to follow, a stipping butter being in preparation.
extendest contess that if our own parcel post could be possibilities for the man on the farm. The Fall Fair
shows some good examples of dressed poultry, vet one hears of people peddling them in vain at the houses in
the town where the Fall the town where the Fall Fair was held. Probably the
hotel-keeper is the only purchaser. On the other hand,
in large citios like in large cities the only purchaser. On the other hand,
intreal, Toronto and Winnipeg,
there are thousands of there are thousands of well'to-do poople who would
heartily appreciate a weekly or bi-weelly shinmole fresh poultry, vegetables, etc. Furthermore, with the
increasing shortage of labor on the and their wives would gladly turn more attention to sheep, poultry, butter, eggs and vegetables- -things they
can manage with less outside labor How atractive it would be to some people to work or for duck and green poss, flat geese, Muskoka lamb,
the Belpian Iarer kept on the cleanly Morant system,
creamin checese like ond used the
 countrs.
 Rather a stiff price for some of the paststed ponies, ford aged and time-worn faithfuls, but none too much

## One Man to 200 Acres.

$\qquad$ Growths," and "Insect Pests" are getting ahead of
The small average attendance in the school mean that there are a number of children kept at home to looks gloomy for the future prospects school, which generation. There are just seven girls in this school section over school age, and the female population is much smaller than the male. This doesn't look pither. Yet, in the face of all this, six or bachelors young men have donned the "Khaki" during the born and raised in this school section have gone to the front from the different cities and towns in this
Dominion. Large families have been raised on nearly every farm, during the past thirty years. The average will exceed six, and one family has raised n $\sigma$ fewer than eighteen, but they have nearly all gone and left
the farms, and will not or cannot return. But we are not downhearted. The few of us that are left are doing, and will continue to do our part
in sustaining Canada and the British Empire, both in sustaining Canada and the British Empire, both he misfortune of losing one of his legs two years ago, has given his eldest son-a youth 17 years of ageand one leg, is facing, with the job of running a 200 -acre years of age. This is no exaggeration. and is only a Sample of the sacrifices that our farmers are making. at recruiting meetings, that there is a " yeung officers,
in the people of the rural districts, other over-worked slang phrases that are anything but complimentary towards the people of rural com-
munities. In fact, one officer, who boasted that he had given up a Professorship in a University, worth went so far with his intimidating methods, and abusive language at a meeting here lately that one farmer stopped him. I think the incident had a sobering
effect on some of the over-fresh young officers who have been perambulating this district during the past few months. We attended a meeting in the town of Orillia, in the adjoining county, Feb. 17. Hon. T.
W. McGarry, Provincial Treasurer, was the principal speaker. He delivered an able and eloquent address; his language was moderate, and no reasonable person could find fault with anything that he said. Quite listened to at such meetings! Ipeeches that we had sentative of the Riding, who appeared in "Khaki," ician all through his remarks; praised the manufacnot be and made it clear to them that they would not the disturbed, nor their help depleted on account
of the recruiting campaign, but the tone of his language, when referring to the farmers, would indicate that he was quite willing to let the farmers take care of
themselves, and show their loyalty by joining the

The editorials appearing in "The Farmer's Advocate" are always interesting, and that in the issue
of Feb. 3, "National Efficiency," is very able, appropriate, sane and sensible. We echo every senti-
ment contained therein, in no formal way, but with in our heart. How different are those that we read know little and care less about the conditions or reticts. We think that this country is supporting
altogether too many newspapers, and, if more than
half of them would dishand halt of them would disband, and the able-bodied
men now engaged in that work would join the army,
it would be a blessing have to pay sulscriptions for so many papers, which
would be a saving. But the greatest saving of all
would be of time that is now wasted in reading the ame news in lifferent papers, though sometimes
stated in a somewhat different way. And we some-
imes allow ourselves although we know that a great portion of what they
and are breeders of strife and discord among purpose, and to read. Wrejudiced, partisan nearly a doews are nauseating and every one of
them is more or less partisan, with the single of "The Farmer's Advocate,", which, so far, has made
good its claim to be "Impartial and Independent of
all Cliques and Parties." We sincerely hope that
it will prosper and continue in the same course. We also think that this country is supporting
too many professional men; too many merchants; too many professional men; too many merchants;
too many agents too many so-called Civil Servants,
who are not civil; too many parasites of all kinds too mare not civil; too many parasites of all kinds
who
who are not producers, but live on the sweat and
blood of the toiling masses. If more than half of them, blood of the toiling army the country could spare them,
would join the arfer very much loss. But the farmand would not suffer very much loss. But the farm-
ers, the miners, the lumbermen. the artisans, whose products bring as possible, be left as they are a valuable asset to the country; but they are the men that able asset and are going in greatest numbers, while
have gone
the other fellows are content to stay at home and sing the other fellows are content to stay at , home and sit
"We'll Never Let the Old Flag Fall,"
Ontario Co., Ont.

## Silo Experience.

Editor "The Farmer's Advocate":
I thought I would ask you about your silo corn. I thought I would ask you about your silo corn.
You say that it is better drilled than it is hill planted.
I have had better corn that way and about twice I have had better corn that way and about twice
as much to the acre, but I don't sow quite 50 lbs. cut in the silo, and I find around here that the more corn there is the better it packs, and I have
seen a third more go in a silo where it was well cobbed than where no cobs were present, I fill from 20 to
30 silos every year, so I find different corn and dif30 silos every year, so hind
ferent ground. I find that Leaming does the best
all around. It gets ripe on the sand and clay all around.
don't think it don't think it harts it any for being cut a few days
before filling, for, if it gets dry, a little water will help it. I have seen half a field go in the top quarter
of a silo by putting in water and an extra man. I
think two or three men in a think two or three men in a silo plenty if they don't
visit too much, and I like to see a silo filled in a day.
It savec expense for all I think a 10 by foot silo is a nuisance. Corn freezes too much and
costs so much to put in them, and they don't hold enough for a 50 -acre farm. A 12 by 30 or 35 or a
14 by 35 is better, for it makes enough, and there is no refilling to add to the cost. I would not farm
without a silo. We have three of them, two cement and one wood.
any, and it only cost half as much. If yout can
let me know how your silage packed and kept where there was no corn, do so. Onn Elgie.
Elgin Co., Ont.
|Note. Our thickly-sown corn packed well in the silo becaus

## THE DAIRY.

Conference of P. E. Island
Dairymen.
Prince Edward Island cheese and buttermakers,
in company with a representative from every factory
were called together by Harvey Mitchel were called together by Harvey Mitchell, to consider
the conditions under which the dairy products the conditions under which the dairy products were
manufactured, and also to discuss the standard of
the output when compared to the output when compared to that from other districts. Previously, Mr. Mitchell had spent a grea
deal of time collecting information from the whole sale and retail men, the buyers and the makers
This information was presented to the Conference and a great deal of discussion ensued. At no pre-
vious time had the buyers, the makers and the provious time had the buyers, the makers and the pro-
ducers been given an opportunity to meet and dis
cuss cuss the situation under the guidance of experienced
men. Never before did the dairymen of the Province
cealize that there had heen realize that there had been no improvement in the
chese during the last ten or fifteen years. The
causes were correction suggested. The system of inspection
greatly at fault. Everyone agreed that greater operation was necessary. Mr. Mitchell had arranged
to have a high-class cheese to compare with some of the best and poorest of Island products. The climate
s suitable for the manufacture of cheese and butter, which will compare favoractly with cheese and butter, made in any
other district of canada, if the milk is properly cooled,
and in cever and in several cases some improvements added to
equipment in the factories. The improvements re-
quired are slight and doubtless will be made, and
along with them cffort on the part of the producers The Conference was made posisibe through the The following resolutions were passed:

1. That it would be in the industry if every factory representative present could and place before a mecting of onditions to take home
and board of directors the importance of making a personal carve diss of the
various milk routes, with a view of having the milk
cooled cooled, and better cared for on of having farms, also the
importance of closer co-operation with the makers
and factory in and factory inspector in order to bring about improved 2. That in view of the facts presented at this Con-
ference and the importance of keeping our Cerence and the importance of keeping our output
of cheese and butter up to the standard of the goods
wie are obliged
kets, we believe it would be in the best interests of
the industry to have an instructor and inspector $t$ year, and we further believe said instructor the whole tor should be in a position to carry on his work with tories for his salary, and we would urge upon the fac portance of taking this matter up with the Departments of Agriculture, with a view of having these
suggestions carried into effect, along the same line followed in the other provinces of the Dominion. ference, and realizing the importance of having al our factories and equipment, etc., kept up to a sat isfactory standard, we believe it would be in the best along the lines followed in the other provinces, to govern the work of the factory inspector, and we would suggest that the incoming directors of the Dairy
Association see that this is done at the coming Association see that this is done at the coming
session of the Provincial Legislature. 4. That it would be in the best interest of the
dairy industry of Prince Edward Island if provision could be made for our makers to get a dairy school training along the same lines as the makers in Quebec
Ontario and the Western Provinces and we this could be brought about to the best advantage of operating and establishing a dairy school course for cheese and butter makers in connection with the Agri-

That Boarder Cow Again. A study of individual records, and the use of a
Babcock tester, revealed to one Middlesex farmer, at least, that he had been keeping the most of his cows
instead of the cows keeping him. There was no sentiment attached to these cows, so all that did not come maining few were given more attention. Of this small herd of grade cows a sire from high-producing stock
was used, and the offspring are proving to be consider ably larger producers than their dams. Knowing what
each cow is doing has created in the farmer a decper interest in his work, and to-day he attributes his success
with the cows to having started keping individual records. Before commencing to keep records money
was paid to keep boarders in the stable, and he did
not know it not know it. From outward appearances one cow
looked as good as its stall mate, consumed the same
kind of feed and received the kind of feed and received the same attention, but the
exact difference in milk yield was not realized until the exact difterence in milk yield was not realized until the
scales were used. Cow testing and individual records
may be a hackneyed subject but only away at it will some dairymen be induced to found out
what their cows are actually doing. And when the truth is known, they are either jubilant over a record one
of their cows has made and immediately plan to bring
the whole herd to a more profitable basis or the whole herd to a more profitable basis, or they are
diegusted with themselves to think that for years the cows were actually consuming the profits made by given by the average cow in Ontario barely pays for her
feed, without counting anything for labor, interest on investment or housing. It is doubtful if two per cent. cows by the milk yield or percentage fat. Where been located at the start, and the natural
conclusion is, that in the majority of stables cows that by their inability to produce lower the average per cow could be raised one tho average yield of milk
mean hundreds of it would mean hundreds of thousands of dollars to the farmers of
this country. If by careful breeding and selection some farmers can raise the average production of their
herds, it is possible for all to do it. Why is an effort not

Home-Grown Feeds - The Basis of all Rations.
$\qquad$ Some men entertain the idea that in order to make
a high record with a cow, she must lhe particularly
well bred, fed on specially prepared feeds, and stabled in the most modern stables. Such is not necessarily
the case. Many cows, that are a credit to their owners, by having the right blood in their veins, and then
converting feeds, such as are grown on the average
farm, into milk and butter fat. True, the dairyman farm, into imik and butter fat. Irue, the dairyman
plays an immportant part in securing the best from
his cows by his ability to study the requirements feeds into a balanced ration suitable for the dairy The methods of raising calves and feeding high-
producing cows, as practiced by a noted Ayrshire producing cows, as practiced by a noted Ayrshire
breeder, of Norwich, may convince breeders just start-
ing in the business that breeding, careful feeding, and proper attention, are the essentials in building The herd referred to consists. of from 30 to 35
animals, in the pink of condition. Individual yearly records are kept, and mature cows produce from 10,000 to 12,000 pounds of high-testing milk during a
lactation period. In years past, animals from this herd have won laurels in strong competition at many
of the big shows. This herd is housed in a welllighted, frame stable. Silage forms the basis of the
ration, and about forty pounds is fed each animal per
day. Cofn for silage is sown quite thickly, as it is believed more feed, and better feed, can be grown ducing matured cobs. In filling the silo, the corn is than the coarse-cut corn. on the farm, and are considered excellent feed for tailed in handling a root crop, a larger acreage would concentrate part of the ration is composed of oat chop and bran, in equal proportions, the amount fed milkers are given from ten to twelve pounds perday Two or three pounds of oil-cake or cottonseed meal, are fed per day. Preference is given to feeding oil-cake
one meal, and cottonseed the next. The cows are watered in the stable, but are turned out for exericse The milk from this herd goes to a condensery, consequently there is no skim-milk on which to raise reshen in the fall, as there is usually more time during the winter for properly attending to the calves and heavy milkers, than there is in the spring and summer
months. Whole milk is fed the calves for four or five weeks, after which the quantity of milk is gradually reduced and prepared calf meals used. At two months of age, the calves are fed only four pounds of whole
milk, and are entirely weaned from milk by the milk, and are entirely weaned from milk by the time hey are three months old. Oat chop, oil-cake, silage,
and clover hay are kept before the calves. On the above feed, young animals appear to be thrifty.
Other breeders in Norwich district, who have made big milk and butter-fat records with their herds, cake or cottonseed meal, to form the ration. The first three feeds mentioned can be grown on almost any farm, and the quantity of the last three feeds
necessary to balance up the ration is not large Cows in many noted herds are raised on a limited amount of whole milk, along with oil-cake or calf-meal and It is believed that the average farmer with his It is believed that the average farmer with his
grade stock can increase the returns from his cows by grade stock can increase the returns from his cows by
judiciously combining the feeds grown on the farm with a small quantity of purchased concentrates,
rich in protein, to forml a balanced ration. The cow is rich in protein, to form a balanced ration. The cow is
a manufacturing plant, and the finished product will a manufacturing plant, and the finished product will
be in keeping with the capacity of the plant and ma-
terial supplied. For greatest returns, both the plant and raw material must be good
In some districts dairymen are raising choice calves
without skim-milk, and with feeding only a limited amount of whole milk. Dairymen with a supply of skim-milk have the advantage over those selling Whole milk, in raising calves. A good deal of the
success in feeding young or old animals depends the feeder. Feeding stock, so as to keep it in good condition all the time, is not an easy task. Simply putting the feed in the mangers is not enough, but the animals must be watched closely to see that
the feed agrees with them. There are many little attentions given to the stock by a real stockman that would never be considered important by an amateur. Yet, it is paying strict attention to details that brings
success.
It is necessary to know each individual animal in the herd and endeavor to supply its wants

$$
\begin{aligned}
& \text { A variety of feeds to form as near a balanced ration } \\
& \text { as possible, regularity in feeding, and strict atten }
\end{aligned}
$$

$$
\begin{aligned}
& \text { as possible, regularity in feeding, and strict atten- } \\
& \text { tions to detais, are items of importance that are con- } \\
& \text { sidered by the successful stockman. }
\end{aligned}
$$

## HORTICULTURE.

 Celery on the Farm.During the late fall and early winter, celery makes one of the most toothsome and wholesome additions to
the farm-table bill of fare, and it can be successfully grown in the ordinary garden soil, doing we successfully clay or sandy loam. One 40 or 50 foot row will give clay or sandy loam. One 40 or 50 foot row will give a
family several month's eating. The plants in boxes ready for setting out, can be procured from marke gardeners, or with a few feet square in a small hotbed fine as possible, and have it moist. Then, about April face. 25 , scatter the seed, not too thickly, on the surspray of water will be sufficient. The seed is very fine germinating. When the two rough leaves show, transplant the little seedlings to another space left for the purpose, $11 / 2$ to 2 inches apart each way. Stir the soil
bet ween the rows occasionally, and sprinkle lightly with a fine-nozzled watering can several times per week.
To aards the end of May the trench should be prepared shovelling it out 8 to 10 inches deep, heaping the surface soil on each side. Then with a wheel-barrow and
fork fill in a few inches of well-rotted manure and muck in th. bottom, treading it down. A good shower or two for early use, or in July for late, will give them a good
start. With a knife, or small transplanting trowel take up the plants, by this time four or five inches high without disturbing the root system, and set five or six the weather is dry, use the watering can towards even ing every few days. Keep weeds out and as the plants grow work he thoce along the sides, lightly, for celery in on the stalks and leaves when wet. Later on
banking in the earth, from the sides, against the stalks a couple of times, in order to blanch or whiten the celery, which should be reaay to the weather, in sand about November 1, depending on there is nothTake it in dry and clean. For the arm garden there ing much better than the Paris Golden, or Golden Seif Blanching varieties, though others start in a small way
Plume will grow a larger stalk. Start the first season. Anyone with a knack for gardening the fill soon want to grow celery every year, and by applywill soon want the foregoing hints, remarkably good crops can be ing the foregred, barring an attack of blight, on any good garden lecured, well supplied with vegetable matter. Blight being contagious, if a garden is free from it, to grow the plants at home is safer than purchasing on the open maret
and running the risk of getting this disease from infected and running

## Laying Out the Farm Garden.

The size of the farm garden will depend upo the requirements of the family, which should have a wholesome succession of vegetablesduring summer and autumn, and sufficient of the keeping sorts, like cabbage parsnips and carrots, to supply the table few too many through the winter. Better should be abundance of than not enough. corn for canning. If you have a tomatoes and sweet dealer, or market convenient, any surplus of really choice stuff can be usually disposed of to profit, along with butter, eggs, poultry, etc., but those whose conditions do not facilitate this sort of thing better not bother with it. On most farms there is land enough to spare for several gardens, but the conundrum is getting the necessary work accomplished. It is said some whatever ought to be done can be done, as others people apparently about as of very useful and attractive plantations of vegetables and flowers. They have a way of their own evidently, and no doubt, to quote, the breakfast cereal food advertiser: "There's a reason." But as to the area of the garden, half an acre might well be used for a 100 - or 150 -acre farm. If the wives and daughters are to share with "the men" the privilege of looking after the garden, it should se convenite The dimensions of the garden illustrated heresible. The dimensions of the gardence measurement. It has been found fairly easy to work having a southern slope and serves the needs of a good-sized family. Some would want one smaller, others larger. Many would drop out some of the things grown in this case. Everyone will arrange the plan to suit themselves and grow what can be cared for. Cultivation will be facilitated by having fairly long rows.
The original sin with most gardens is that they are not properly fenced. Then the hens get in or the geese, or the young Holsteins, and Old Nick himself
is likely hanging around the corner, waiting for just such chances to make trouble. Galvanized woven wire fencing is the proper thing, strong and high, 12 or 13 strands at least and close at the bottom. It isn't to get the roll and the posts, and even if were, the investment would pay. Have a gate easy to swing,
wide enough to let in a team and disc harrow, or other wide enough to let in a team and disc harrow, or other implement. A small four-foot-wide gate is also in most
cases needed. People would be astonished if they cases needed. People would be astonished if they out of the unfenced garden and the value of stuff annually destroyed. In picking out a new garden site, a sloping one is
desirable for natural drainage. Summer freshets leave pools of water that drown out vegetables and cake the soil. Run one or two tile drains across it as well, so that the land can be worked earlier in the spring and more quickly after every shower, which is a great point in keep-
ing down weeds, the bug-bear of most gardens. But for ing duwnrweeds, these pests, gardening would
mellow, well-worked soil will shorten weed life, and give the potatoes, strawberries, tomatoes and other stuff a chance to mature early and keep ahead of the
frosts. An hour with the cultivator and hoe at the right time will save the almost futile work of days later on. Weeds will die young-if their heads are removed. marden site are of course valuable in and east of a garden site are of course valuable at at atecting from
storms and equalizing temperature, but shot be so close as to throw a heavy shade over growing plants, flowers, thrive under a good deal of shadow. Permanent bush fruits, like berries and currants, asparagus, ete. Nest may come room for a couple of soil and an eternal vigilance that many people cannot afford in these strenuous times. After one full season's bearing, they need renewing on fernatility of alternating with the space for early potates.
depend on the appetites to bee satisfied. The first
may be started ahout April 20th. ()nion and other $-2+5-=$


## $\left\lvert\, \begin{aligned} & \left|\begin{array}{l}\text { Hot } \\ \text { Bed }\end{array}\right| \\ & \text { Red Raspberries Raspberries }\end{aligned}\right.$


$\left|\begin{array}{c}\text { Hot } \\ \text { Bed }\end{array}\right|$ Strawberries Strawberries

## Early Potatoes

## Early Potatoes


 Plan of a Garden in Middlesex County
together. Phe intervening small plots of beans of the White or Golden Wax varieties will keep the table furnished with this toothsome vegetable. The first half row of some good garden pea, like the American Wonder, can be planted about the mays apart. Judging subsequent sowings about 10 or 12 days apart. Judging from the experience of late years, it is hardy sate to put tomatoes June 15. The distance apart of rows is given at one end of the diagram. In this case the flower growing is mostly done across one end, and down one side of the vegetable garden. In this way effective use is made of showy plants like peonies, hollyhocks, lilacs, irises, lilies, roses, pansies, Canterbury bells and foxglove, with annuals worked in between, according to the time and fancy of the grower. It has been found desirable by having a little rotation not on the same same crops like sweet
Tomato Growing for Farm Use The frrst ppint to observe in successfical origin culture is, that being a plant of semi-tropical origin, that will hasten maturity between early frosts that cut down the plants, and late ones that damage both vines to some extent, and near the canning factories they plants are usually got from professional growers, or upon locations, the seed may be sown in the hotbed say from April 15 to 25 , in more favored districts, Drop the seed in rows about four inches apart, so as to permit of occasional stirring between. Seven or eight seeds to the inch, covered with abould be sufficient arellow mould firmed down, sheattering the seed thinly in a flat row, about an inch wide. Follow a plat that will not produce weak, spindly plants. If too thick, thin them to singles. If the bed is warm, the plants will show in a few days. Raise the lower end of the sash occasionally during midway, to gradually harden the plants, as the rough leaves show. In a couple or three weeks they may be transferred to the cold frame and set in rows six or eight inches apart each way Here they can be protected from excessive sun for the
first few days, and at night from frosts, by a covering of heavy canvas supported hy cross strips of wood, like of heavy (atheas the soil and water frequently. By June 15 to 20 they should be tift with plenty of soil on the roots to the open garden when all danger of frost ought to be past in most localities corresponding with Central
IVistern ()ntario. Even where plants are purchased in ${ }^{L}$ boxes, it is better to get them of medium growth and transfer, roots undisturbed, to the cold frame, which
is so simple, imexpensive and beneficial, for a couple is so simple, imexpensive and beneficial, for a couple home. They too should be dansplaf hefore being transferred to the garden. ,nem $2=4=2=2$
consequently the immediate soil must be mellow, under-drained, and properly enriched; the latter preferably being the season before. For very early home use,a earlier, and protected from frosts, but, unless the weather is warm they will come on about as fast in the cold frame. For the first three weeks cultivate, cultivate, cultivate. Give them plenty of room, say $31 / 2$ or 4 feet apart. From 50 to 75 good plants will give an average family plenty for the year's use. It is well to grow two or three varieties, one very early, and you may strike poor strains in very popular varieand you may strike poor strains in very popular varie-
ties. Some sorts do better in a given locality than thes. Some sorts do better in a given locality than
others. Some prefer a pink tomato; others a red one. For canning and ketchup, a bright red is in demand. A good selection can be made from the following: Carliana (scarlet), Bonny Best (scarlet), Byron Pink, Plentiful (pink) and Early Detroit (purplish (red), Though later in and Early Detroit (purplish pink). Early Detroit is a splendid tomato. thick-fleshed and prolifictroit is a splendid tomato. thick-fleshed and able for late season, as the foliage will protect the fruit from injury by frost.

The Quantity of Seed Required. is often fifficult to decide upon the amounts. If the length of the garden rows are known the quantity of seed required f all varieties can be easily ascertained from the follow* ing recommendations which are as they appear in the Ontario Bulletin No. 231

Asparagus. -1 oz . to 100 ft . of drill; 2 lbs . will proBeans. - 1 pint to 100 ft . of drill; $11 / 4$ bus. per acre
Beats 1 acre. Beet. 1 oz . to 50 ft . of row; 4 lbs . per acre.
Brussels sprouts.- $1 / 40 \mathrm{Oz}$. to 100 ft . 10 oz . produces Cabbage. -1 oz , to 300 ft . of drill; 10 oz . produces
000 to 2.500 plants. Carrot.-1/2 oz. to 100 ft . drill; $21 / 2 \mathrm{lbs}$. per acre. Carrot-1/2 oz. to 100 ft . drill; $21 / 2 \mathrm{lbs}$. per acre.
Cauliflower.-1 oz. 2,500 plants. Celery. $1 / 3$ oz per 100 ft . drill; $21 / 2 \mathrm{lbs}$. to acre. Corn.- $1 / 4$ to $1 / 2$ pint to 100 hills; 1 peck per acre.
Cucumbers.- 1 to 2 ozs. to 100 hills; 1 to 2 lbs. per acre. Egg plant.-1 oz. produces 2,000 plants. Egg plant.-1 oz. produces 2,000 plants.
Endive. $1 / 4 \mathrm{oz}$. to 100 ft . of drill; $41 / 2 \mathrm{lbs}$. per acre. Kale. -1 oz to 300 ft . of drill
Kohl-rabi.- 1 oz . to 300 ft . of drill; 4 lbs . per acre. Leek.- 1 oz . to 100 ft . of drill; 4 lbs , per acre. Lettuce. $-1 / 4 \mathrm{oz}$. to 100 ft . of drill; ; 3 lbs . per acre.
Melons (musk). -2 ozs. per 100 hills, 4 x 4 ft .; 2 lbs Onion.-1/2 oz to 100 ft . drill; 4 to 5 lbs . per acre. Onion sets. 1 quart to 50 ft . drill; 8 bus. per acre. Parsley.-1/2 oz. to 100 ft . drill ; 3 lbs . per acre.
Peas. 1 to 2 pints to 100 ft . drill; $11 / 2$ to $21 / 2$ bus. Peppers.- 1 oz. produces 1,500 plants.
Radish. -1 oz . to 100 ft . row; 10 to 12 lbs . per acre. Rhubh. -1 oz. to 100 ft . row; 10 to 12 lbs . per acre.
Rhubrb. 1 oz. seed to 125 ft . of drill; $31 / 2 \mathrm{lbs}$. valsify.-1 oz. seed to 100 ft . drill; 8 lbs . per acre. Sinach. -1 oz. to 100 ft . of drill; 5 to 6 lbs . per acre Squash.-S ozs, to 100 hills.
hquash. - 8 ozs to 100 hills.
Tomato. 1 oz produces 2,000 to 2,500 plants. Tomato. -1 oz produces 2,000 to 2,500 plants.
Turnip. 1 oz to 200 ft . of drill: 1 to 2 lbs . per a

Varieties of Vegetables for the Farm Garden.
The proper selection of seed, and varieties is an important factor contributing to successful garden-
ing There is a great difference in the kinds and ing. There is a great ile erence we grow, and it is varieties, of or
no more trable producing good ones than poor no more troure prouccing god ones than por
ones. Sed firms are constantly improving on their ones. Sed hirms are crintanthy improving on their
special strains, and trying them out in their test splots. It is often advisable to communicate with reliable seed houses and get advice regarding their latest and best kinds. It is no use being satisfied with a mediocre crop. We should expend our time on the best seed, and the best varieties, so we may garner the best possible crops. . he size of the harvest
and the quality of the product will be the reward. One part of the garden should be allotted to plants that are more or less permanent in nature. Staples in this line are asparagus, rubarb and straw-
berries. The varieties of asparagus found most suitberries. Phe varieties ontauparagus onand most sumit.
able are Palmetto, Argenteui, and Conover's Colossal. In rhubarb, Victoria and Raspberry are good. There are numerous varieties of strawberries, and the ma-
iority of them do well under certain conditions. Where one variety would thive, another may not, so a trial in necessary, A good, all-round, domestic berry, is the
Senator Dunlapo. It usually fourishes and yields Senator Dunlap. It usually flourishes and yields satisfactorily where it is cultivated and well fed.
The Williams and Warfield do well when sown to. The willains and warfield do well when sown together, ower. The Gandy is an early berry, but not an exceptional bearer: The Gilen Mary and Sample
are two other kinds that might be given a place Next we come to those vegetables which are usually rransplanted in order to bring them along in good
time and mature them properly. Celery is a time and mature them propery. Celery is a crop,
which is not used as extensively as it should be. It
is not a dificicut task to is not a difficult task to produce it, and blanch it so as to make a very edible product. It's culture
is discussed in another article in this department is discussed in another article in this department. For early varieties, White Plume, or Golden Self
Blanching, are desirable. Paris Golden Yellow comes Blanching, are desirable. Paris Golden Yellow comes
on in medium season. Giant Pascal and Evan's on in medium season. Giant pascal and
Triumph are often planted for the late crop.
Tomatoes are also discussed in a separate article The varieties recommended are Earlianna, which is the Cbalk's Jewel, which is slightly later. Stone, and Success are two varieties that are used con-
siderably under field conditions. Bonny Best, Byron siderably under field conditions. Bonny Best, Byron
Pink, Ponderosa, Plentiful, and Early Detroit, are Pink, Ponderosa, Plentiful, and Early Detroit, are other varieties from which selection can
These are all mentioned in another column

These are all mentioned in another column.
Melons are used more as a luxury than as a staple but they make a very nice dessert. Rocky Ford good kinds of musk melons, while Hungarian Honey, and Cole's Early, of the water melon type are the most likely to ripen.
Cabbage and cauliflower plants should first be started in a bed by themselves, and later transplanted to hills in the garden. Jersey Wakefield is a good early variety of cabbage. Early Winnigstadt is another. Copenhagen Market is a medium or autumn kind, while for late the Danish Ball Head is good.
All Seasons and Flat Dutch commend themselves, All Seasons and Flat Dutch commend themselves Cauliflowers of good quality can
from Early Erfurt and Early Snowball.
Coming to the kinds which are sowed early in tion lettuce and radishes first. In order to get early lettuce, the hot-bed, such as was described in a recent
issue of this paper, should be used, but, lacking such an equipment, lettuce should be sown as soon as the garden is prepared. Sowings should be made at
intervals of alout a week. It will grow up again after being cut, but fresh rows should also be brought along to augment the supply. For varieties, select from (rand Rapids, Black Seeded Simpson, Hanson

Radishes should be planted also at intervals of a week or two. Rosy Jem, Scarlet Turnip, White Tip, be well to try two or three different kinds.
Peas should also be sown quite early, for they will stand considerable cold weather without suffering much injury. For the first try Extra Early, Alaska,
Nott's Excelsior, American Wonder, or Gradus; and for late use Advancer or Stratagem
Beans are closely associated with peas later in the season. Together they make an excellent dish. The varieties of beans which are likely to give best White Wax, Stringless Green Pod, Valentine, and Wardwell's Kidney Wax.
Cucumbers should not be forgotten, and they can be planted fairly early. They are useful for both slicing and pickling. For the former use Davis Pe tect, and (umberland; for pickling, Westerfield, and
Chicago pickling have been reconmended Citrons are used largely for preserves. They will
produce more abundantly if started in the hot-bed,
but they are coumenty colorato I'reserving variety and Red garden. The Early ing the the roots, we shall first mention beets. They should be planted for early summer use, and about the first of June for winter storing. Ege, Eyptian
Turnip in an extra early kind. For moderately early try Early Model, Eclipse, and Black Red Ball. For Smooth Mlood give good satisfaction Red, and Lon

Carrots cannot be dispensed with; they are an important staple vegetable. Every gardener should try Chantenay. Danvers and Rubicond follow very other about the first should be made early, and an
use. Parsnips can often be sown where radishes and lettuce have occupied the land early in the season However, one should not depend entirely on these drills for the bulk of the crop. Two good varieties are Hollow Crown, and Guernsey.
Turnips are frequently grown in the field for stock, and if Swedes are used, the winter supply can be gotten there. If grown in the garden, for the first, try Extra Early, Purple Top Milan, Golden Ball. As a late variety and the main cropper there is none Pumpkins.-Ther

Pumpkins.- There are many households that cannot get along without pumpkin pie. If properly into the winter, and made into this delicacy at that time, as well as in the fall. Sugar and Jumbo are two good varieties.


Melon Plant in a Sod Basket.
Squash deserve quite as important a position in the garden as do pumpkins, for they can be used squash, use Crookneck, or White Best Scallop. Hubbard is a good late variety. variety of garden corn. Broadly speaking, there is no better variety than Golden Bantam. Plantings of this should be made at intervals of a week or two, so the season will extend over as long a period as possible. Country Gentleman and
green are also good, but they are later
green are also good, but they are later.
Onions, in spite of their peculiarities, should be abundantly grown. They are healthful, and yery necessary in culinary work. The Yellow Globe Danvers, Prizetaker, Red Westerfield, Southport Yellow Globe, and 'Southport Red Globe, are the varieties grown, with preference given to the first. Spinach.-Victoria, Virofly, and Bloomfield.
Egg Plant.-Black Beauty, and New York Im-
Kohl-rabi.-Early White, or Purple Vienna.
Vegetable Marrow-Long White Bush, and English Vegetable Marr
egetable Marrow.

## Indispensable

Your paper has become indis
home. Wishing you every success.

## Starting Melon Plants in Sod

 Baskets.Starting melon plants in small pieces of sod is be coming common where vegetable growing is a specialty The aim in producing good plants is to develop a vigorous root system and to be able to remove the plants without successfully it has been necessary to produce the plants in strawberry boxes or in flower pots. This necessarily entails some expense both in the initial cost of the con tainers and in handling them after the plants have been removed. It is becoming customary to produce the young plants in a piece of sod in a hot-bed and remove them directly to the field. The accompanying
illustration represents very well the plants for one hill illustration represents very
The sods are cut four.
ut into squares, The sod is then inverted sides of the same dimensions and with a butcher knife or other instrument a hole is punched through the center to provide drainage. After his more soil is carved from the sod into the hole where the seeds are placed. In hot-beds seen last season the sods were placed on top of a foot of hot
manure. The heat caused by the fermentation of the nanure assisted germination, and insured the decomposition of the sod. These particular plants were up three or four days after the seeds were planted

It is usually necessary to plant the seeds five week: before one desires to set in the field, but the plants which the seed germinated and the plants have been produced, are slightly over three weeks of age. These are now ready to transplant to the field where the sod and plants without any disturbance may be placed in
the ground and left for the summer. The roots of the the ground and left for the summer. The roots of the
young melon plants are all contained in the small piece young melon plants are all contained in the small piece
of sod, but when transplanted to the field, they will of sod, but when transplanted to the field, they will
extend themselves in search of moisture. The sod will continue to rot and provide nutriment for the plants continue to rot and provide nutriment for the plants, pots, boxes or containers. This system of producing melon plants is meeting with favorable recognition, and is worthy of a trial. The principle will apply to cutransplanted. However, the danger in losing plants of those mentioned last is not so great.

## POULTRY.

## Hatching and Feeding Chicks.

## editor "'The Farmer’s Advocate"

(ather the eggs several times during the day in old weather; chilled eggs do not hatch so well. Keep and turn them once a day. Only nice, uniform and smooth eggs should a day. Only nice, uniform and also necessary for the breeding stock to be healthy Thed for, and have plenty of exercise
There should be no special difficulty in hatching chicks with incubators if the machines are wisely mechanical fose closely followed. The fairly well worked out by the manufacturers been true that not all machines will give equally good service in a given location; but if standard makes are selected suitably located and properly cared for, good hatches should be secured. While it is not known to what extent chick troubles are due to infection by disease germs acquired in the incubator, disinfection seems to be important. The interior of the machine should be washed thoroughly with a 10 per cent. solution of zenoleum, after each hatch, trays cleaned and scrubbed If necessary, and burlap either renewed or saturated
with the disinfectant. Disinfection can do no harm and may result in saving many chicks. In addition, to disinfecting the machine many operators disinfect the eggs also, dipping them in alcohol. The general trouble of chicks dying in the shell may be due to a naturally weak embryo, due to improper feeding of lack of health or vigor in the breeding stock; care less handling of eggs; too little moisture at hatching
time drying the membrane so the chicks stick fast and


A Farm Garden.
cannot get free; too much moisture, drowning
chick or producing an abnormally large and w chick or producing an abnormally large and weak
chick that cannot extricate itself. Many chicks that die after pipping might be saved by covering them for a short time with a cloth wrlung from warm water
In all cases where trouble of any kind occurs it is well to set a few hens with the incubator to determine whether the trouble is with the eggs or the machine. Frequently the incubator is blamed. for poor hatches when the vitality of the breeding stock
is so low, or the eggs have been so carelessly handled that good hatches would be impossible, even under the best natural conditions. If the trouble is found often easy to locate the cause if hatching records have been accurately kept. To begin with, young chicks should have no
food until they are twenty-four hours old. The second day give hard-boiled eggs broken up finely, shells with scalded milk. Feed every two or three hours. After the third day add some rolled oats to the hardboiled eggs, also lean meat chopped finely with boiled
vegetables, granulated corn and millet. Suiply plenty of grit and clean, fresh water for the chicks. Give buttermilk or sour milk as often as it is convenient. During the growth of the feathers plenty of lean meat, bran and curd of milk are essential; must have exercise and be kept clean.

## FARM BULLETIN

Farm Colonies for British Soldiers and Sailors
 will be of interest to Canadian readers, I feel sure. following eThat immediate steps should be taken by the Board of Agriculture to accupte and cequip land for three pionerer colonies, comprising 5 , Ooo areres in allt
and that audditional land should to acouires for the

 sums as may ye neeceld dlomid be provided

 pulsory powers or purchase eshould be given."
in s.teme sing forth the details of this scheme the Committee summarize what they propose under four
headst the fifst of which is enitloe . S dit by the State," and contains, in addition to the proposals out ined above, the following:
to the Board any large flarms be which comed to offer
 holdings of of their own unless they have the ne neces. mery experience, that men without such expericance
should be offered employment at wazes in the fist
instance That any small holdings established should be "That the oler is shoud he tive
and caan be adted to to each hoolding in due course. Te That the War of ofice should dhand ove to the be board
free of cost, any of the moiltary hu wents which and free of coit, any of the miltary hut ments w.ich are
oot. required tor military purroseses after the war.
 1, resident director and an agriculturat or horticuloce That steps should be taken to encourage co-
 centrit part of trext rhony should be retainect as





 erns county councils, and is in tricify und the county countils should undertake the
 Th hat as tat as positile councils shoulte etatalish
"That the Public Worl's Loan Commissioners should be authorized to resume the issue of loans
to councils for the purchase and adaptation of lands for smail holdings.
"That the Small Holdings' Act should be amended so that the Board of Agriculture may become part
ners with the county councils in the whole business of providing small holdings under the Act, and may pay half of any losses that may be incurred.
in the Act," certain other amendments should be made The case of disabled men comes under the third of the main heads mentioned above, and here the Committee propose.
"That adequate
State for the training of any disabled men who desire to settle on the land.
"That such training should be given by the Board of Agriculture acting on behalf of the Statutor committee under the Naval and Military War Pen "That after training disabled men should be lreated on the same footing as able-bodied men, except that in selecting the tenants of small hold-

The fourth head recommends that there should be a propagandist campaign in favor of land settlement at home undertaken by the Board, with the assist-
ance and co-operation of the Admiralty and War Office, prior to the demobilization of the Navy and Army.

## Rettie Bros'. Holstein Sale

 able to secure at their own prices, the choice herd of black-and-whites, which were the result of years ofcareful breeding and feeding for milk and butter caretul breeding and feeding for milk and butter-
fat production by Rettie Bros., of Burgessville. In
the herd were winners at many of the large shows and animals which stood high in seven and thirty day tests. The cattle were well fitted, and showed to
splendid advantage. Many buyers from a distance spendid advantage. Many buyers from a distance county is the loser by Rettie Bros'. dispensing with heir herd. The sale was held in a large, comfort Fifty-two animals, including a number of calves only a few months old, brought a total of $\$ 9,135$, or an
average of about $\$ 177$ for the females, and $\$ 153$ for the three males. The highest-priced animal was a record of over 24 lbs . of butter in 7 days; the price
was $\$ 400$, and her three-months-old calf brought $\$ 195$. hoore and Dean conducted the sale in a very sat animals selling for $\$ 100$ and over, with their pur-
chasers. Ianthe Jewel Posch, L. Slaght, Waterford...... \$175 lanthe Jewel Francy, A. Cowan, Norwich ...... 300 Ianthe Jewe Posch 2nd, John A. Bryden, Galt . 245
Ianthe Jewel Posch 3rd, Ed. Rodwell, BurgessIanthe Jewel Francy 2nd, Walter Lossing, Nor- 175 Bonheur Posch, W. H. Chambers, Salford $\quad . \quad 185$ Mercena Schuiling Princess, J. H. Holbrook,

Hamilton Bessie Posch Schuiling, Geo Hill, Burgessville .... Ianthe Jewel Colantha, W. H. Chambers Bo-Peep X's Fairy Queen, E. Wood, Norwich | Fairy Queen Mercena, M. D. Morgan, Fairbank | 200 |
| ---: | :--- | Fairy Korndyke Queen, W. McClellan, Harley....$~$

Ianthe Jewel Korndyke, Robt Mcleod Mercena Schuiling 3rd, J. J. Fox, Guelph Mercena Schuiling 5th, Cieo Mahon, Woodstock | Mercena Schuiling 6th, A. E. Hulet, Norwich |
| :--- |
| Princess Francy Posh |
| 100 | Olive Francy Schuiling, F. Comley, Hamilton $\quad 240$

Mercena Schuiling 7th, Wim. Mcrlellan $\begin{array}{lll}\text { Olive Schuiling Mercena, Wm. Wick, Norwich } & 110 \\ \text { Rosa Bonheur Mercena, Wm. Simmons, Harley } & \mathbf{2 0 0}\end{array}$ Olive Schuiling Posch 3rd, J. E, Criffith, Weston a
Pontiac Atlas Francy, J. . Fione



 Rowalton Ahbekerk Mercena, R. Denney, Norwich.
Alibekk (Cangeling Pauline, J. I eussler Drich L. villu Eecho of Forstercrest, I). (;) McCledher 125
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|  | A Good Sale at Guelph. |
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|  | A Reader |
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A Wide Diversity of Subjects Dis cussed at Rural Workers' Conference In spite of the fact that the number of students
on roll at the Ontario Agricultural College is dim-
. nished by about one-third compared with othe years and many more are joining tife and Work was held Annual orry 25 and 26 at the College. The Con-
on Februar
ference was well attended, and throughout the sessions ference was well attended, and throughout the sessions
deep interest was taken in its workins by all presdeep interest was take discusions were carried on, fort. .he most part, by the students themselves with
the assistance of able and competent speakers from outside sources, among whom were: Dr. H. W. Hill,
Medical Health Officer, London,; Miss Maud Hotson Medical Health Offcer, Lonack, Victoria Order of Nurses, Ottawa; and J. W. Brown Guelph.

At the opening session, Professor Caesar presided and in the course of his remarks, reviewed the work of and to imptovements of life in rural communities After introducing the question of "Play and Recrea tion; Their Value to McLarty, J. T. Johnston, I. B. Martin, P. D. A.hey, and A. H. Whitt to continue the discussion of the quesMany important facts were unearthed, show
ing that life in rural communities is more desirable to-day than it was a few years ago, but there is yet room for improvement, and it is that improvement
for which we are working. Among the rural inhabiants there seems to be and a certain aloofness, lack of sympathy for modern ideas, which is the cause o great deal of trouble with the social life of rura communities. The people meet together at church o Sundays, and in business transactions, but, apart from
that, thore is a lack of intermingling, a lack of that social element which goes far toward making rural life what it ought to be. Man cannot live by work
lone, no more than he can live by bread alone. The alone, no more than he can live by bread a must have some source of enjoyment to make them forget that
the robins have destroyed their cherries, or that the cattle have destroyed their corn on the back fifty. The
lack of social life in the rural districts was blamed for driving young people off the farm What is to be the solution of this problem? The
church is not filling its role in the rural community. Men must be developed physically, morally, and
mentally, as well as spiritually. In the majority of cases, the church only looks after the spiritual destined to do. The rural church should not only ee a place for common communion, and Sunday In developing the physical side of the residents, the to it that athletics get their proper place in the com-
munity. There is also a possibility that athletics At present the school fairs are playing a mag-
aificent part in the binding together of the people, in promoting good-will toward men, and in establishing that social spirit which should reign uppermost throughout the length and breadth of this broad heir part, but, in so doing, they have, in many cases left out a very important feature. They have, doubt-
less, been a source of much information for farmers, by means of addresses from outside speakers, but they could go a great deal farther in attaining their ends by making use of, and developing, their local talent
by means of debates, concerts, and such entertain by means of debates, concerts, and such entertain-
ments. Such a course would not only make the meet-
ings educational ings educational, but would arouse the interest and the support of each and everyone in the community.
Without the shadow of a doubt, many of the Inhitute meetings are carried on in such a way, but in the attainment of necessities to make rural social On the quiestion of "' The Value of Play and Recrea-
tion to Schools," much was said, and a great deal of ion to schools," much was said, and a great deal of
light thrown upon the subject. By putting play in
our rual shouls upon a systematic basis, it in possi-
ble to promone more regutarity of attendance. As and
an example, theke a school where, each Monday Mon monn-
ing, teams were chosen for base-ball, which were to
battle ag.tinnt and, at the end of the week, the score was totalled
and the majomity won. This course of procedure, or
a similar
school course, kives the children an interest in the
 count of the sore for a ball team, or in some way
bringing them to a practical appliation of the rules.
Rural pupiln wught to be good athletes, as they have have beenn ticd out in many schools, and have been
ound to the loeneficial in the truest sense of the word.
Athletiond Athletics have proved to be not only a means of physi-
cal development, but they promote honesty, truth-
ulness, and fair play, and to be conducive to co-
operation in team play and in the social life of the
section

## medical inspection.

In speaking on Medical Inspection for School Children, Miss Hotson pointed out that, although cercise decreased the necessity of inspection to a
certain extent, there were still numberless students in our schools, urban as well as rural who were striv ing to study, against the effects of bad eyes, headaches, and numerous other inconveniences. In an in-
spection survey of five schools, a city schoo school, a rural school, a high school, and a separate school, it was found that on the average fifty per
cent. of the pupils were defective in one way or an cent. of the pupils were defective in one way or an-
other. In other inspections it was found that in some schools as high as 85 per cent. of the students were defective. Needless to say, such a course ought never to exist. The idea of medical inspection is to let the
parents take the affected children to their family docparents and, in case socted children to their family docschool authorities see to it that the children are treated. Where operations are to be performed, as in case of affected tonsils, or adenoids, the operations are paid for as far as possible by the parents,
and the balance made up by Women's Institutes and such societies, private enterprize, and from such sums as may be collected otherwise. In such an important work, we can go one step farther and advise
the formation of a Provincial system with the most competent doctors and nurses possible
district nursing.
At the evening session Miss Mackenzie discussed of the need for such a work, especially in our Western Provinces, which in many districts are settled so sparsely. She referred chiefly to the Royal Canadian
Victorian Order of Nurses, which was granted a charter by the Government at Ottawa granted a first the services of this organization were directed chiefly to cities and towns, and to organization. Then came whose duty it the district nurse was appointed, for patients, investigating the house as to sanitation and cleanliness. This work became so important that the nurse became a sanitary inspector, teacher,
and, in many cases, the doctor in rural communities Then the work began to spread to schoofs departmental stores, and such establishments, where disease is liable to become dangerous. In this work the nurse aimed not so much at the curing, but at the preven-
tion of disease, and with the revival of the social ideas she became "Our brother's keeper." During her remarks, Miss Mackenzie explained the establishment of hospitals in our lumber camps in 1900, and of the wonderful work being carried on by such estab-
lishments. In 1909 the organization adopted the rural nursing scheme, which purposed to supply each
district of twenty miles square with a nurse, whose head解 to supply the wants of anyone sick in the district. continuous nursing with it also, when the health of the district would permit. Small nursing homes
were established to care for accident cases were established to care for accident cases. The
scheme took in the school inspection also, and the nurse was not only the inspector, but gave talks on sanitation, care of the eyes and teeth, and other
hygienic subjects. That the finances should be forthcoming, a small fee was charged for nursing, and that,
together with grants from councils and societies put the society on a firm basis. It is also understood that the poor and unfortunate, if unable to pay, shal receive treatment free of charge. The society set aside for the purpose of extending the work further into rural districts. But such a scheme has never been without its difficulties. It found itself face to ace with the problem of reaching the people, in which
case the society was greatly assisted by the Institutes and Grain Growers' Association of the West. It also witnessed a difficulty in getting proper nurses. The tials necessary for a successful district nurse. The district nurse requires intiative, must understand the
foreign element of the population, and must be able to inspire the confidence of the people, and have an In order that the nurses may acquire these faculties, a special course is put on by the organization. After
graduating from the hospitals, the nurses spend a
short period in taking this course, and are therel, fitted with the necessary knowledge for a district
nurse. Such an organization is not only worthy of
$\qquad$

Dr. Hill, in his discourse on "Rural Health and
Sanitation," stated that the modern fight against disease was a thusiness idea, as against the old idea
of charity. The chief sources of infertion he named
as water, food, flies, milk, and people. Through
water, he said, were carried the cerms, small microwater, he satd, were carried the germs, smat mier)-
scopic plants, of typhoid and dysentery. Exept in
limestone regions, private wells are never infected with hacterial disease. He stated that in his twenty
years' experience as a health officer, he had never
known a case of typhoid to be caused by bacteria from private wells. In speaking of food, as a germ
carrier, he said that there was little danger from that source, if the food was cooked because the cook-
ing destroyed the germs. In so far as food is con-
cerned, it is the raw food that makes the rich bed for

Dairymen and Dealers Should Take

> Warning. Occasionally there is brought to our attention the endors for breaking Canada's dairy laws. Not long of $\$ 10$ on each of four counts brought against him, maximum permissible water content of 166 per cent, for selling dairy butter in regular $56-1 \mathrm{lb}$. creamery
boxes, not branded dairy butter; for having in his possession for sale butter containing above the maximum legal amount of water; and for having in his boxes and not branded dairy butter. The Dominio dairy authorities found some of this butter in Halifax

bacteria to multiply. In speaking of flies, he said that typhoid and dysentery were carried in that
way. "Swat the fly" campaigns have been agitated or the last two or three years, but they are useprevent flies from spreading disease is to cover up
the sources where they may secure the germs. If the sources where they may secure the germs. will be no disease spread by flies. Milk carries all kinds the germs multiply when once they enter the liquid. The old milk seems to produce an acid reaction on the germs, thereby killing them and rendering them diseases, it must be pasteurized and that by raising the milk to a temperature of about 140 degrees F , In speaking of people, he would have us realize that he hands and the mouth-spray are by far the most
common carriers of disease. Such propagation is also the hardest to control, as no man can say to bis ellow, "do this, and it shall be done." The only way of coping with this case is by rigid quarantine soon as the disear detected.
light and ventilation.

The question of "Light, Heat, Water, ,Ventilation cussed by Messrs. Stewart, McConkey, Neale, and Miss Nixon, and during the course of discussion it was plainly shown that rural life could be greatly enefited, if these features were attended to. These, bumerous, poorly lighted, and badly ventilated homes with the pump a hundred yards down the hill, these items become of vast importance, if life in our
rural districts is to reach the proper standard. The session on Saturday took the form chiefly of demonstrating games suitable for rural schools, such as basket-ball, ring-ball, captain-ball, and volley cieties, dramas, carnivals, etc., as a means of bringin cife in the country back to that free and easy social status, which was a feature in the time of the hardy pioneers. Messrs. Carncross, Skelton, Small, Austin,
and Misses Williams and Bevan focussed the attenand Misses Williams and Bevan focussed the atten
ion of the audience on a number of unused opportion of the audience on a number of unused oppor-
tunities and equipment for play and recreation in the average rural community, Mr. Carncross spoke of an experience as Assistant Representative in Eastern churches, where a certain town boasted of seve town, with no form of amusement. The young men were given access to the Agricultural Office, all used it as library, gymnasium, and centre o by the church.
The evening session was opened by Dr. Creelman The evening session was opened by Dr. Creelman.
A. Maclaren, Lecturer in Rural Sociology, discussed "The Influence of Pageantry, Drama, Story-telling Consciousness." His address was not only educative and interesting, but was accompanied by shadowgraphs, pectedly, the neighbors called upon the rural babitant and all joined in an enjoyable evening of merriment and dancing, until Benjamin fell asleep a the sound of the music and the tripping of the light
G. R. W.

## Farm Labor

It has been announced by the Provincial Govern nent of Ontario that a Department of Labor has been ernment, at the head of which be placed a Deputy Minister. A scheme has also been announced for pro viding labor for Ontario farms during the coming sea
son. Offices have been opened in some of the Ameri can cities near the Canadian border for the purpose of interesting men out of work in those cities to come of Canada to help with the farm work in 1916. One of the men connected with this work has made the
statement that large numbers of men are available, among whom married men predominate, so that those armers having cottages for married men will stan he best chance of getting this class of he if it scheme is to interest 15,000 city high school and col legiate boys, under military age, to spend the vacation working for farmers in the country. Whether or no hor problem rem.ins to be seen. However, nent is on foot, and farmers who can should plan to a vail ctting some help for the summer season.
found some dairy butter on the premises of the dealer Exercise Your Own Will Power.
in question containing as high as 19.9 per cent. water. in question containing as high as 19.9 per cent. water.
The butter fountin in Halifax was,
ter, patated dairy butter, packed in the regular creamery box and not
branded dairy butter, which is a contravention branded dairy butter, which is a contravention of
the Dairy Industry Act. Some of the butter on the the Dairy Industry Act. Some of the butter on the
premise of this particular dealer was also found to be dairy butter packed in creamery boxes not branded dairy butter. We cite this case as a warning to dealers.
be careful not to break the law. This particular in stance was doubtless due to carelessness, but necessasy that the law be lo lived upe to in ese every par-
ticular in order that both the producer and consumer ticular in order that both the producer and consumer
of dairy products in this country get what is coming of dary products in this country get what is coming
to them. The Dairy Department would much rather not have to take action against anyone, and have all
the dairy products up to standard, than to be called upon occasionally to make an example of some deale Carelessness, is convicted of offering for sale, or actual ly selling, products which do not meet with the re
T. L. Dunkin Disperses His Herd. On March 1, T. L. Dunkin, of Norwich, dis-
posed of his fine herd of Holsteic catte. Whe sale was held in a large tent, amply supplied who gathered from far and near to purchase animals to increase and improve their herds. During the twelve or thirteen years that Mr. Dunkin was in
the pure-bred business, he succeeded in building up high-producing herd, and those who boulght an mals at his sale secured the results of his efforts The stock was brouht out in show condition, and
bidding was brisk throughout the entire sale totalled nearly throughout the entire sale. The
$\$ 7,500$, or an average of a little over $\$ 128$ for the 58 head. This werage a fair pricte,
when it was when it was considered that at least half the stock were yearlings, or calves only a few weeks old. The
highest price paid was $\$ 370$ for Shadelawn Cynthia Canary, a three-year-old heifer, which had been giving an exceptionally good account of herself at the pail. Moore and Dean were the auctioneers. The following is a 1 ist of of
purchasers.
Tidy Mercedes Canary, H. Burrill, Norwich \$195 Shadelawn Tidy Canary, A. Thompson, Shake- 190
speare speare
Shadelawn Mercedes Thirteen, C. E. Smith, Scot-
land ${ }^{190}$ Beauty Mercedes Queen, J. Leuszler, Bright
 Shadelawn Inal Queen, J. Leuszler,
Shadelawn Lillie, Geo. Saul, London Shadelawn Liillie Canary, Enos Pick Ina Tritom Canary, J. Furlong, Norwich Prince Echo Sylvia, A. E. Cornwall, Norwich
Shadelawn Lillie's May Echo HoydSal
Shaderdawn Canary Jewel, A. J. Holbrook, Hamilton
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Houwtie Pietertje Queen Houwtle Pietertje Queen, John Moore, Britton
Shadelawn Bonnie Lassie 2nd., E. Comley, Hannon. Bonnie Lassie Ganary, J. W. Cochrane, Niles-
toons.
Shadelawn Lassie Echo, A. E. Hulet Norwich Shadelawn Lassie Echo, A. E. Hulet, Norwich
Shadelawn Aulinda's Canary, F. Lampmans Burgess
ville Aulinda Comet Canary, Ralph Moore, Norwich
Shadelawn I Shadelawn Mechthilde Canary, C. Hanmer, NorShadelawn Mechthilde 2nd, Geo. Saul
Shadelawn Mechthilde Ouecen IF WV Goblc. Wood stock
Shadelawn Cynthia Canary, (ieo. Mahon, WoodShadelawn Cynthia Queen, A. Walker, Burgessville
Shatelawn Cyntha Ann, C, N. Hilliker, Norwich,
Shadelawn Colantha (Oueen, Shadelawn Aulinda 2nd's Oueen, I. I.cuszler Shadelawn May Ecch Geitrieen, F. Hililizerer
 wich Aulinda 2nd's Canary. F. Hilliliker
Shadelawn
Shadelawn (eerlen Canary, H1. II. Bailev, Bran
 papers that mak's a business o' tyrin' tae be funny,
an ' I see it announces the fact that Billy Sunday, the evangelist, , is comin'. tae New York, in the year nineteen seventeen tae save the city," as it says
It then gaes on tae doot whether it will be wort while for somen on the theot whether it will be worth
up dities that Billy has cleaned
stay that way. "w didna' stay that way' but went back tae their it thinks, for him tae save one home, an' keep it saved, juist for practice, as ye micht say, an' then
aifter aifter a while he could' wark up tae a big job like
New York. Noo, nobody kens juist hoo mony o' Billy Sunday's converts hae had the grit tae stick tae their guid
resolutions, though frae what I hear there is eneuch o' them tae mak' the business a success , maist ony way ye took at it. But that is no the point. What
I want tae ken is why should onyone expect a preacher tae get a mon tae turn over a new leaf and then tae guarantee tae keep him that way. It's an absolute
impossibility. The preacher's wark is tan point impossibility. The preacher's wark is tae point oot
a mon'mistak's tae him an' tae induce him tae
change his ways an' change his ways an' try an' live a better kin' o' a
life. When he has done that be has done his share Aifter that it's up tae the mon himsel'. He must develop ony moral strength. An' gin his auld hatits get the upper hand o' him an' land him back in the gutter again, we hae no richt tae point him oot as naething $0^{\prime}$ the kind. He's an example o, what a mon may become that doesna' control his passions an' appetites, an' wha has allowed himsel' tae drift
wi' the current instead o' tryin' tae swim We canna' learn tae walk by gettin' some one else tae dae it for us. Na, na; we maun carry oor ain weight an' exercise oor ain will-power or we'll never we get the strength for oor daily wark muscles that by pittin' oor guid resolutions intae practice that we finally get some moral strength an' character. Billy Sunday or ony ither mon can dae na mair than point
oot the way an' get yer promise stayin' in that way ay depends on what like backbone ye've got. It's funny the ideas some folks
get about preachers in general an' men like Billy shoulday in particular. They seem tae think that they an' mak' it impossible for their converts tae ever
dae a wrang thing again. I mind a guid mony years back ane o' these travellin' preachers that com' tae "revival meetings" in those days. It wisna' lang before he, had the hale community gaein' tae hear
him. An' him. An' I hae na doot he did some o' them a lot chaps that had promised tae change their ways, an' wha had made a guid start at it too, seemed tae get
unco' tired o' sae muckle religion, an' tryin' tae walk unco' tired o' sae muckle religion, an 'tryin' tae walk
the straight an' narrow way was ower wearin' on their nerves, na doot. Onyway a guid mony o' 'them drifted
back intae their auld habits o' swearin' an' drinkin an' such like, an' it got tae be the custom at last,
when onyone wad mention the maiter, mon, what can ye expect, wis he no' ane ', Hoot
mone Intyre's converts?" Juist because the chap had Mo'
backbone eneuch tae stick tae his guid resolution they blamed the mon that got him tae mak' the re-
solve. I canna' see ony sense tae it hut solve. I canna' see ony sense tae it, but it's the
way $o$ the warld. I ken that some oo, these travellin'
preachers hae a preachers hae a queer way oo warkin' on the feelin's
o' the people an', gettin' them excited like, till they're ready tae dae or say onything, but there'a no' sae
muckle $o$ ' that as there used tae be, an' onyway when a mon finds he's on the wrang track, an' gacin,
doon grade wi' the chance o' a smash-up at the end, ye canna' vera weel blame him gmash he does ent at a
wee bit excited. An I dinna' think it's up tae us tae
find over muckle fault wi' the chap wi find over muckle fault wi' the chap wi' the red flag
that's oot tae warn us o' oor danger. For that's
a' he can dae Ho track against oor will. It wad tak on tae ainther
Billy. Sunday tae dae that. But Bill. Sund a how we can switch ororseleses back on tae the main
line again, an' I'm thinkin'

## Five Hundred Jobless.

## Toronto, Montreal, Buffalo and Other Leading Markets.

many able-bodied men flocking from outside points, including, perhaps, to some extent, from rural dislooking for work also included about 100 obs. Those willing to resume active duties so that younger men
might enlist, but the call for them was not encouraging.

## Changes in the New Taxation

 As was predicted in financial circles when the de tails of the new taxation was made public in the Budget speech of the Honorable Sir Thomas White, Finance These were changes wave been found necessary. bered that announced last week. It will be Buget speech to begin at the commencement of the war, Aug 4, 1914. This has been changed to Jan. 1, 1915, which makes it possible to separate payment dates for the three years over which the tax is to run into 1916 -17-18. To get over the difficulty with regard to reserves, capital will be accounted as only the actual about watered stock will be ohviated by difficulty cash value of the stock on January 1, 1915, and from it deducting all liabilities of the company, thus to is given the power to fix the assessment of mining ister panies as the profits come from the impairment of the assets of the companies. The capital employed such portion of of a non-Canadian company will be stock as the value of its assets in Canada hears tal the value of its total assets. Holding companies will not be called upon to pay on profits from ments of war taxes to Great Britain and and payments of war taxes to Great Britain and her alliesare to be deducted form any payment required by the Canadian Government. With these changes, all companies with a capitalization above $\$ 50,000$ come 7 per cent. in incorporated companies, and 5 per cent of the profits above 10 per cent. in other firms partnerships and individuals will go to the Govern-
ment.

## Take Up the Slack.

locations and contradictions arising therefrom in the ability of the people of the United States to buy Outlook presents the following table of New Yor luxuries, or what he calls "economic slack" that can For moving pictures $450,000,000$ $200,000,000$
$300,000,000$ $300,000,00$
5000000 2,500,000,000 \$4,300,000,000
The alcohol item is an appalling one, and may well keep people thinking upon similar line
which is actually in war up to the hilt.

Now that a majority of the milk markets are more than passing interest that we note the
Repister of Merit record Register of Merit record of the Jersey cow Merry Thompson, of Portland, Maine. The milk of Merry Maiden averaged 8.13 per cent. fat for 365 days. a year record. Her lowest monthly test was 7.13 per cent., made in the sixth month of her test, and
the highest was 10.05 per cent., made in the twelfth month. The highest percentage of fat for a single
milking was 11.00 per cent. Merry Maiden started
test test at four years four months of age, under the
supervision of the Maine Agricultural College.
The final results show that she produced 560.4 lbs .

Would Not Do Without It


## xation.

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March 9, 1916
THE FARMER'S ADVOCATE
 show an increase of 44 car loads, 224
cattle, and 2,196 horses; and a de-
crease of 489 hoss, 888 sheep, and 10
calves compared with the corresponding calves compare
week of 1915 .
Receipts of all classes of live stock
at the Union Stock Yards for the past week have been light. Trade wa active in every department for al
well-finished good quality stock. In
cattle, not only were the receipts smaller cattle, not only were the receipts smaller
than for several weeks, but, the per centage of good to choice, well-finishee
animals alaso were less. This caused values for these classes to be very firm
all week. On the other hand the um-
and finishhed half fat cattle were plentifu in comparison with the good, with
trade for them dull, and dargy, all
week with prices barely steady at the previous week's quotations. Ateady at the well
frinished, choice stears, 1,300 to 1400 lbs. each, not more than two car loads
all told, sold at 88 to 88.10 . Ten or twelve car loads during the week sold
from $\$ 7.50$ to $\$ 7.90$; and the bulk, which consisted of medium and a few
good sold at $\$ 690$ to $\$ 7.40$; commo sold at $\$ 6.50$ to $\$ 6.75$, and were hard
to dispose of at these values. Milkers and springers sold at steady
some
olue
weelks Holstein springer soid for $\$ 115$. There
was not much doing in stockers and feeders, as the prices asted in some
cases were higher than beef cattle were being bought at. Values for sters,
800 to $1,000 \mathrm{lbs}$., ranged all the way rom lourse being $\$ 7.25$, the latter, good colors, and there were few of
them; steers of less weight sold from $\$ 5.75$ to 86.25 . Veal calves, sheep and
lambs did not begin to equal the de mand. Values for all of these wer
firm, especially for lambs, which mad anew record, a few lots, of black face weighing around 85 and 90 lbs. each
sold at $\$ 13.25$ per cwt. Hog value the packerse in the beginning of of the
week, but at the close prices went a week, but at the close prices went a
high, as at the close of of the previou
week, at $\$ 10.25$, fed and watered Butchers' Cattle.-Choice, heavy sters
at 187.75 to $\$ 8.10$; choice butchers tle at $\$ 7.50$ to $\$ 7.75$ good, at $\$ 7$ to
$\$ 7.25 ;$ medium, at $\$ 6.50$ to $\$ 6.80$; com
 mon cows at $\$ 4.50$ to 85 ; canners and utters at $\$ 3.75$ to $\$ 4.50$; light bulls
at $\$ 5$ to $\$ 6$; heavy bulls, at $\$ 6.50$ to $\$ 7$ stockers and Feeders.-Choice feed
rs, 800 to 1,000 lbs., at $\$ 6.50$ to $\$ 7$, Eod feders, 800 to 900 lhs. $\$ 6.50$ to
66.75 ; stockers, 700 to 800 ibs., at 86.25; yearlings, 600 to 600 lis., at $\$ 6$.
6.25 to $\$ 6.50$, at Milkers and Springers.-Choice milkcows springers at 890 to 8115; good
$\$ 45$ to 8850 to 885 ; common cows at

Veal Calves.-Choice at $\$ 11$ to $\$ 12$,
yood at $\$ 10$ to $\$ 10.50 ;$ common and
light
 Sheep and Lambs.-Light sheep, 88.50
89.50 ; heavy and
common to $\$ 9.50$, heavy and common sheep
$\$ 6.50$ to 87.50 lambs, $\$ 11$ to $\$ 13.25$
cull lambs, 99 to $\$ 9.50$. Hogs. - Selects, fed and watered
$\$ 10.25 ;$; 50 c , is being deducted for heavy or sows, and $\$ 4$ off, for staghogs $\$ 82.50$ oft paid for selects.


88c., according to treigerciats, outside; re
jected, 82 c . to 84c, according to sample Buckwheat.-Nominal, car lots, 70 .
to
71 c ., according to freights Barle, according to freights outside.
Barley. - Ontario, good malting Barley.-- Ontario, good malting, 61 c
to 63 c ., according to freights outside feed barrece, 55 . to 58 c ., according to
freights outside. American Corn-No. 3 yellow, ney Canadian Corn.-Feed, 71 c . to 73 c
track, Toronto. Peas--No. $2, ~ 81.50 ;$
according to sample peas $\$$ Flour. - Ontario, winter, $\$ 4.30$ \$4.40, a according to sample, track, Tor
onto; bulk seaboard, $\$ 4.25$ to $\$ 4.30$
prom prompt shipment. Manitoba flour-
Prices at Tor
86.80 $\$ 6.80$, second patents, $\$ 6.30$, in jute
strona strong bakers', 86.10 , in jute; in cot
on, 10 c . more.
hay hay and millfeed.

| Toronto |
| :--- |
| 14 to 815 | No.,$\$ 17$ to $818:$ No. $2, \$ 14$ to $\$ 15$

per ton, trake, Toronto.
Straw. Baled, car lots, $\$ 6.50$ to $\$ 7$ Bran - $\$ 25$ per ton, Montreal, freight Shorts, $\$ 80$ Montreal freight; middlings
\$27, Montreal freitht; god feed flour
per, bag, 81.60 to $\$ 1.70$, Montreal per bag,
freights.
country
Produce Butter. - Prices remained abour
stationary on the wholesales during the stationary on the wholesales during thi
past week. Creamery, fresh-made pound
 Egs. New-laid remained stationary selorge egs. alosoc. ker dozen. Cold
stat about even a
23c. to etc. per dozen. 191/2cese. per - New, large, 19c.; twins
Honey.-Extracted, 12c. to 13 c . pound; combs, per dozen sections, $\$ 2.40$
to $\frac{83}{\text { H. }}$, ns. - Primes, 84.25 to 84.50 ; ha Poultry (live weight). -Chickens, 14 c
to 17 c . per li., fowl, heavy, 16 c . pe per $11 b$; geese, 12 c . per 1 lb ; lb , turkeys, yucks, young 20e. per lb: old, 18 c . per fb.
Potatoes. - Potatoes were very slow on the wholesales during the past week
but ret remained a bout stationary; the
New Brunswick Dela wares being 81.88 U 81.90 per bag, car lot, and Ontarios
(it. Hides and skins. Cured, 16 c. to 17 c c; country hides, part 4c. to 15 c .; calf' skins, per lo 118 c , kip skins, per lb, 16c, sheep, skins
city, $\$ 2$ to $\$ 3$; sheep skins, country $\$ 1.50$ to 82 ; lamb skins and pelts, 81.20
 83 to \$4. Wool, washed, 40c. to 44c. per
 solids, 6 c . to 7 c .
Fruits and vegetables.
Prices in bithen
Mices in both Iruits and vegetablee
remained about stationary on the whole
sales during the past wer sales during the past week. Potatoe
are slow at 81.90 per bae are slow at $\$ 1.90$ per bag for Ontarios
and $\$ 2$ to $\$ 2.05$ for New Brunswick

Montreal.

week, and prices scored a further ad-
yance of 25c. to 50 c . per 100 lbs. The
des. ance of for. to colves. per 100 los. The
domand
Hogs were still easy. Hogs were still easy.
Butchers
Cattle
 choice cows $\$ 6.25$ to $\$ 6.50$ medium
cow, 5.75 to $\$ 6$, bulls, 85.75 to $\$ 7$. Milkers and Springers.-Choice milk
ers, $\$ 85$ to $\$ 90$; common and medium ers $\$ 85$ to $\$ 90$; common and medium
$\$ 75$ to $\$ 80$; springers. $\$ 60$ to $\$ 70$. Sheep and Lambs.-The tone of the market for sheep and lambs was ver
strong, and
vance of 25 prices saw a sarther ad
 $\$ 11.75$ per 100 lbs Bucks and culs
ranged from 87 to $\$ 725$. Calves.-The demand for calves was
good. They sold at from $\$ 4$ to $\$ 1$ ach according to size and qualit)
The market for hogs continued with sales of selected lots at $\$ 10.40$
to $\$ 10.50$ per 100 lbs., weighed of
 grains continued quiet, the demand being Demand for flour was slow, and price
Derc nominally


Darley, Manitoba feed, 66 c .; do. malting
Vc
 do. strong bakers', 86.20 ; do. winter

 mouille, $\$ 31$ to $\$ 33$.
Hay.-No. 2, per ton, car lots, $\$ 20$





## Buffalo.

$\qquad$ improved cattle trade last week, partly
by reason of a lighter run than the
preceding week, and also for the reason preceaing week, and also or the reason
that the dressed beef trade changed last week for the better. Attend
ance of buyers was the best at Buff for some weeks past on the better kinds of steers, and some of the eastern order
buyers were unable to meet their de buyers were unate to meet their de-
mands, so fast was the trade and so Quick were these kinds cleaned up. twenty were not exceeding offteen to shipping steers, and these were placed during the early part
of the romaning sesion then Beat native
steers ranged from $\$ 8.40$ to 88.50 , but prime kinds were quotable up to nine cents and better. In the handy
butchering steer line best kinds ranged from 87.90 to $\$ 8.15$, but real, prime handy sters could be cashed up to
88.50 . Buyers complained that there 88.50 . Buyers complained that there
were no more of the nood kinds than wre no more of the good kinds than
were offered. On steers generally it was a 15 to 25 cents higher level than
the week befe She sold 15 to 25 cents higher and found
 up to $\$ 6.75$ to $\$ 77$ with heavy heifers
generally $\$ 7.25$ to $\$ 7.50$, some fancy enough to bring up to, $\$ 8$ to 88.25
Bulls were selling high $\$ 7.25$ Bulls were selling high, 87.25 being
the extreme top last week, and quite a lot of medium-weight bulls were
running from $\$ 6.50$ to $\$ 6.75$, very few little, common grades dropping under narce, two loads running fromers $\$ 6.50$ to to
$\$ 675$ Mill 86.75. Milcher and springer trade was strong, dealers, however, showing de-
cided preference for the better kinds, backward springers and common grades of milchers being sold at beef prices.
Reccipts the past week totaled ${ }_{3}^{6.625}$ head, as against 4,825 for the previous week, and 1,400 for the corresponding wek a year ago. Quotations:
Shippina
Sters.- Choice
ato

88.25; fair to good, 87.25 to 87.75 ; com

 Cows and Heifers.- - Prime, weighty
heifers, 86.75 to $\$ 7$; best handy, butcher heifers, 86.75 to $\$ 77$. best handy, butcher
heifers, $\$ 6.75$ to $\$ 725$. bont

 good butchering, 86.25 to $\$ 6.75$.
Stockers and Feeders.-- Best $\$ 6.50$ to $\$ 6.75$ common to good, $\$ 6$
to $\$ 6.25$; best stockers, $\$ 6.25$ to $\$ 6.50$, Common to good, 85 to 8.75 .
Milchers and
Springers.loads, in small lots, $\$ 75$ to $\$ 85$; in ca Hogs.-Prices last week, under light Ceceipts and a strong demand, were
on the upward bound. Last week started with best grades selling gener
ally at $\$ 9.25$ and pigs $\$ 8.75$; Tuesday bulk went at $\$ 9.25$ and $\$ 9.30$, with reached $\$ 9.50$, with pigs $\$ 8.75$ and
 with piss selling around $\$ 8.75$ and
$\$ 8.80$. Roughs the latter week brought up to 88.40 and 88.50 and stags went from $\$ 6.50$ down. Re cipts were approximately 23,400 head
being against 29,779 head for the weel previous, and 15,900 head for the same Sheep and lagms.-Another new record was made at Buffalo for lambs last week with several cars going at 812 . The
late Monday trade, however, was slow, nd weak, and the market the nex
few days occupied a very unfavorable position. Tuesday and Wednesday the
top dropped to $\$ 11.65$, with but few op dropped to $\$ 11.65$, with but few
reaching above $\$ 11.50$, and
Thursday eaching above $\$ 11.50$, and Thursday
and Friday the top was $\$ 11.75$, with the majority going at $\$ 11.50$ and $\$ 11.60$. Cull lambs reached up to 111, and the
op for yearlings was $\$ 10.25$. Shee op for yearlings was $\$ 10.25$. Sheep
were scarce and firm, choice wethers seling scare to $\$ 9.25$ and ewe ew $\$ 8.50$
down. Receions wer own. Receipts were 16,100 head, be
ing against 17,755 head the week be ore, and 15,100 head for the same weel Calves, -Market last week was active
and best
lots were held within and best lots were held within a
seventy five cent range. Monday, best
vals brought from $\$ 12$ to $\$ 12.50$ : Tuesday's top was s12; Wednesday and Thursday best los moved at $\$ 2$ and
$\$ 12.25$, and Friday, which w2 512.25 , and Friday, which was the
high day of the werk chaice made
$\$ 12.50$ of the week, choice
$\$ 12.75$.
. Culls
Curadea
went from $\$ 10.00$ down. and fed calves
around $\$ 5$ and $\$ 5.50$. Receipts last
week were 2.300 head, as compared Week were 2,300 head, as compared
with 2,056 head for the wekk previous, and 1 , 675 head for the same week a

Chicago.
Cattle--Beeves, 87.25 to 89.70 ; stockers and feeders, 85.75 to $\$ 7.85$; cows
and heifers, $\$ 3.45$ to $\$ 8.45$; calves, 88.50

 8.35 ; bulk of sales, 88.90 to 89.10 . Sheep.-Native, 88.20 to 88.80 ; lambs,
native. $\$ 9.60$ to $\$ 11.40$. Gossip
J. H. Patrick \& Son, Ilderton, Ont., report shipping two carloads of Short-
horn bulls to ogden Utah. U. SA. A,
this month and expat. this, month, and expect
similar shipment in April.

## sale dates claimed

 March 14 W. J.. Cowan, Cannington, March 14 Est Elqi Bredard-breds. Aylmer, H. C. Mann, Secretary. Breeders ${ }^{15}$-Oxford District Holistein Woodstock: W. E. Thomson, Woodstock, Secretary.March $22-$ By
Carleton Place, Ont. Holsteing R. R., March 24 Allan B, Mann, PeterMarch 29 -Western Ontario Consignment Sale, London, Harry Smith, Hay, April 19 James Benning, Williams-
own, Ont.; Ayrshires.


The Little Homes
0 little homes of all the land! of simple gladness, joys unplanned I grieve to think that one heart roams Beyond the light of little homes.

O little homes, your arms reach far In tenderness and service
Your lights still keep the wearied feet From wandering to some noisome
stret.

All little homes about our land,Dear stanch and faithful little
You homes,
hopes, you understand And help each restless heart that God's outposts are the little homes Mary Carolyn Dayies.

Browsings Among the Books.

I' The The Country Home,
Powell; McClure, Phillips \& ${ }^{\text {\& }} \mathrm{C}_{\mathrm{C}}$ With the New York.]
Weshine coming of March, as the begin to appear in the bare spot begin appear in the fields and runnels of water to gurgle along the country-lover turn to the country true What can be done to improve it this year? Are there trees to be planted? Shrubs? Flowers?-And there, waiting to be cleaned up, are the yards, somewhat raggy with the debris of a winter's storms!
Among the most enthusiastic of country-lovers was Mr. E. P. Powell, contributor to a number of the best American magazines. Wherever be lived, first in the heart of New York State, then, for a short time, in the South, his home became, under his hands, a spot of beauty. Last summer
he died, very peacefully, and as he he died, very peacefully, and as he
might have wished, out of doors. He might have wished, out of doors. He lake adjoining his land. When he ailed to return someone went to see with his dead face upturned to the blue Aky. book written by him, "The Country Home," affords very interesting reading. It was intended, it is true, for
the city man retiring to the land, or the man who loves a cosy and ur pretentious home above broad acres
rather than for the farmer who desires to farm on a great scale; moreove be applied only to the more southe there are useful suggestions in plent
given in Mr. Powell's own delightiult given in Mr. Powell's own delightfull of
need
something of yourself when you see the place where you ought to establish your home. - There are so many delightiul spots, and we are going to have a the birds sing, sa the beech nuts fall like hail There are so many beautiful homing spots unoccupied that one wishes he might live at once a dozen lives. I never drive along an unfrequented road without seeing places that seem to beckon to me to come and make up ready material into a home. He himself, a devotee of intensive on a very small farm of nine acres, "They are at least one-half devoted o ornamental trees, shrubs, and flowers, he explains, "yet I find it possible to sell from one thousand to of small fruits." Presumably, of course, his land was situated near a good market. For such a fruit farm he advises morning sunshine, with its certainty of commonsense view in regard to the work that must be done: "Be sure of one thing, that you do not indulge in shame for any honest work. It is choose to call it-what you have the wit to produce. Above all, keep out of your children's heads that earning is less honorable than spending. I have sake, would not take their dear lives tables or berries to market. False shame is always a mark of degeneracy ", In improving the lawns of the country home, avoid terraces, and do not make the mistake of turning the place into a museup. "Around the house let nature
do largely as she will, with your brains do largely as she will, with your brains and hands to co-operate. Better a
half-dozen hearty native trees, in free half-dozen hearty native trees, in free
development, full of birds' nests, than lot of dwarf trees and weeping trees and homesick trees from China, each


Rideau Hall, Ottaw
road. What you want is not to get close to the public way, one of a long succession of houses, but to have elbow of the eye of the critic--the unmerciful critic who refuses to let you be unlike himself, a whit better or worse. If you have five or ten acres the chances are that somewhere about your property there will be a natural center. You will see this when you come to study the slopes, the swales, and the outlooks. From this heart-spot your life and work It is wonderful easily to all the parts. gotten up for this sort of individualism You will surely find a knoll or ridge upon which you can stand with a friend, and looking over the valleys and hills, say, 'Is not this beautiful?' It is on that spot you should begin to take root; and your house should grow over you and around you-not to shut out those visions, but to take them in.
THE HOUSE ITSELF.

A very important observation is that a country house must not be a city house in this way misplaced." The country house should fit into its surroundings should look as though it grew up of spacious where it is, should have plenty of pacious windows on all sides, and above all things, should express the not height, should characterize the house in the country. There is no necessity where there is plenty of land, to build high, narrow, cheerless edifices such a must be made to fit cramped city lots Instead of going to the city to study homes there, the prospective builder in the country will do well to secure some magazines devoted exclusively from them.
Good drainage is a necessity, while

R12
blighting influence on every room in th also lockers, ought to be which are ait, together with plenty of cupboards Every kitchen . . should have as adjuncts a vestibule and a storeroom Both of these should be neatly finishednot places for litter and carelessnese The storeroom should be large enough to contain barrels and boxes of food and whatever else would crowd a pantry I take it for granted that every rational
country household buys by wholesale country household buys by wholesale what it cannot grow, and so saves
in the cost. Where wholesale purchasing is impossible for an individual it can be secured by the clubbing of half a dozen families. The vestibule of the kitchen should be an orderly receptacle for overshoes, heavy boots, blacking brush, brooms, and should have its hooks for wet wraps and umbrellas. Along one side it should as a receptacle large enough to serve as a receptacle for slop pails

Messages from Two Well. Known Canadian Women
There is no real discrepancy in in one issue. The first deals with the necessity, which all recognize that the war in hand must be fought to a finish; and that all must help; the second emphasizes a necessity not less great-that when this war is over steps should be taken, if possible, to prevent the recurrence of a similar horror. When the awfulness of the portune time to portune time to think out means, a blessed end International and permanent peace is not a dream of fanatics, but to make it a certainty it must be worked for, with brains, and time, and Something about women in patriotic SERVICE.
Seeing that two, at least, of the ladies appointed by our Ontario
Government must be personally Government must be personally
known to a large section of the readknown to a large section of the read-
ers of "The Farmer's Advocate" througb the Women's Institutes of our Province, it goes without saying that in offering a few words upon the very
live topic thus officially entrusted to them, I do not consider I am introducing a new subject, but rather that thanks to the indulgence of "The Farmer's Advocate" in making room for her old correspondent, the opportunity is offered me to throw one or more sidelights upon the subject
n its initiatory stages. Moreover, as the several local branches the Dominion earnestly desire to en-

March 9,1916
THE FARMER'S ADVOCATE.
district. It will probably adopt with little variation the following form of registration, as Women's Emergency Corps
The Women's Emergency Corps has pee formed in order to enable women to give what help they can to meet the give witu arising from the call of the Government for 500,000 men for overseas' service. In order that the industrial, commercial and productive life of our nation may be as little crippled by the departure of these men as
possible, the call for recruits among possible, the call for recruits among women to undertake emergency work as the call sounds for men for military
service. SERYICE DURING THE WAR. entral Registration Bureau, 559 Sherbourne Street, Toronto. 1. Christian Nam
3. Age?

Age? Married, Single, or Widow?
6. Nationality?
6. Have you ever done paid work? 6. Have you ever done paid work?
If so, what? as possible, with the Employer's
name or names).
8. Are you free to work (a) whole time? (b) part time? (c) to leave
your home for work if pay is sufficient and housing satisfactory?
9. What work are you willing and able to do?
10 . If you have never done paid
work, what kinds of work do you think you could do
11. Are you prepared to be trained viously done?
12 . Give name and address of two persons (not relatives) to whom you
are well known, to whom reference are well known, to whom reference may be made, one of whom should be,
if possible, a doctor. help and not to hinder, and only help help and not to hinder, and where and when help is needed.
First and foremost applicants are made to understand that the work for Work," and that it will cease to be required of them when the position can again be filled by the return to it of the men who formerly occupied possible sale-guarding from incompetence is enjoined upon the committee of investigation, who by the wording of are especially called upon to make careful enquriy as to the lines of work for which the applicants are fitted, either by previous experience or readiness to submit to necessary training; to obtain satisfactory references, endorsements, etc. and to make it quite clear that vacancies should only be filled in the following order: 1st, by returned soldiers; 2nd, by men who are not fit for military service, and 3rd, We hope your readers will mark the sequence and draw from it its logical conclusion that the women of Canada not only would not, if they could, but could not if they would, seek to fill the places of the brave men returned invalided home, or of the veterans who may desire to fill the gaps may yet enlist as the soldiers of Canada. of the maybe, it may seem to some too buoyantly optimistic amongst us, that no sperial need exists for any immediate replanning of our social lives
to meet the changed conditions of things, as is the case in so many other parts of the Empire, but we do not store for us, and, therefore, it is well claim for the women of Canada a tribute claim for the women of Canada a tribute enumerating the several employments, intellectual, as well as manual, wait-
ing to be filled in England: "But whatever the New Year may hold for useful service will be foremost in the minds of the majority of women."
We do not live amidst the horror We do not live amidst the horrors
which make war-time such a vivid reality to the war-time such a vivie he last nations, but he have surely taught us many lessons, amongst them the most necessary and practical one
of preparation: They should and indeed surely will inspire us to strain every nerve, and to use even the very smallest woman of Canada may at least find "her bit" and the way to least find thus help in the bringing about of the glorious, honorable peace for which so many of our brave Canadian men are laying down their lives.
Harriet A. Boomer,
President Local Council of Women
Until further announcements are made, any communication sent to Mrs. Gordon Wright, 133 Elmwood Ave., London, will be attended to.-Convener.

## the pacifist gospel.

To the Editor,-In England, in and other warring countries, there is free and full discussion of the causes underlying war, there are groups of people united to foster an understanding of the enemy, and there are societies whose object is to prepare for a permanent peace. The Nation, Public Opinion, Daily Herald, and other British papers, which they quote, are dispassionately discussing the causes of Gar, and they are blaming war, and the tion. They are seeking causes deeper than national causes, they have not given over all their brains to the militarists, nor are they willing to accept all their conclusions without questioning them. The English people and the Canadian people are marked contrasts in their attitude to the war. The
British people refuse to be blinded by prejudice, they want to know the prejudice, they do not believe that force is the only solution for this present varying remedies are, in England given a hearing.
What we all want is to end war forever, to establish universal peace and brotherhood. The militarists say that it cannot be done. The pacifists say we will be done and done in our day if we will trust to ideas instead of swords if we will seek justice and not aggrandisewill believe that deeds of service are a better guarantee of peace than retaliation for evil. Preparation for war has involved the world in war. We claim that preparation for peace will bring peace, but that preparation must
be as active, as well planned, and as be as active, as well planned, and as
far reaching as the preparation for war
has been. The first step to such pre paration is the diffusion of general in-
formation on international questions formation on international questions and relations, and the beliel in demothe means of more fundamental than that prace and human brotherhood can only be established through ideas and that we must disseminate the ideas of good-will, and co-operation, and awaken the public to faith in its own ideals.
In England, there is a great variety of peace societies, commencing with the Union for Democratic Control, of which eight members of Parliament are directors, and whose aim is "to bring about such a settlement at the close official procedure between nations as will lead to a permanent peace instead of a renewal of armaments." Then the Quakers have organized for the understanding and removal of the economic causes that underly not only war between nations but disputes be$t$ ween capital and labor. There are groups of people who accept Christ's a universal law of the as voicing not a nice aphorism universe, and when convenient. There are all sorts of international aims put forth as the objects of these various pacifists' groups and they get publicity. In Canada, can not we, who agree any permanent peace unite to forward those ideas? We may differ as to the value of the particular idea, but we can agree that life develops from within, that force never yet accomplished are three steps that individually. First, disseminate nonpartizan knowledge of international disputes and relations secondly desire a settlement, favorable to all the parties involved, irrespective of his individual sympathies; and thirdly, advocate the substitution of deeds of service for retaliation. The non-resistant believes chat the best method of conquering your enemy is to turn him into a friend. will that would further acts of goodstanding. Will any people who be lieve that it is time that Canadians were showing the same intelligence and breadth of view in the discussion of this war as the British, who believe that if the militarists are willing to risk their future and their lives for
their faith in force, the pacifist must
be willing to pay the price for up-
holding ideas and love as the means of
overcoming war permanently, let me overcoming war permanently, let me hear from them? If the pacifists in Canada could dite we eaver other and unite, we wound ening each other s hands and extending of abolishing war, namely good-will and Clarkson, Ont. Alice A. Chown.

## Smiles.

Mixed Metaphors.-This is an ex tract from the report of a congress don. "" Thornton Burke gave a Lon picture of life in the East End of London, where, he said, there were thousands of people grinding their faces in the dust of poverty and trying, at the same time, to keep their heads above water. -A temperance advocate once exclaimed: Let us take our guns on our shoulders and plough the waste places till the good ship Temperance preacher is credited with the declanown that "William Penn, the founder Pennsylvania, never made a treaty with the Indians, and never broke one.

When James G. Blaine was a young
lawyer he was once asked to defend tramp accused of stealing a watch. Convinced of the tramp's innocence, Mr. Blaine pleaded with such convincing energy and eloquence that the court was he jury he jury almos Then the tramp drew himself up and with intense gratitude, said:
"Sir, I never heard so grand a plea have no money with which to reward you, but- drawing a package from his ragged clothes-"here's that watch! Take it, and welcome.

Noblesse Oblige.-"'Mother," said


Why, of course, dear," her mother "Do cannibals?"
No, I'm afraid they don't." sisted, "if a cannibal eats a missionary he'll have to go, won't he?"-New
York Evening Post.


Kut-el-Amara, on the Tigris River.
Where Gen. Townshend's forces are awaiting held from Gen. Aylmer's relief expedition. Photo by Underwood \& Underwood.

## Hope's Quiet Hour.

## We Have Found Him.

We have found Him, of whom Mose, in the eww and the prophets, did writes
JESUS of Nazareth.-
S. John
1.45. Discovery, whyone has made the Great rising sun changes the appearance of
all thinss, he is aeger to bing othes to the Master he has found. St. Andrew abode with our Lord for an hour or
two, and then hurried to his brother two, and then hurried to his brother
with the wonderful tidings: "We have neighbour of these two fishermen was claimed by the Master of men. St.
Philip did not find Christ. We are Philip did not find Christ. We are
told expressly that "Jesus would go forth
into Galilee. and findeth Philip? Yet disas a mulual discovery, for the new disciple told his friend Nathanael :
When Saul of Tarus was madly per-
secuting the Christians their Master found hipn and arrested him with the startling words: "Saul, Saul, why per-
secutest thou me"? The answer proved that the proud Pharisee had found his
Master. "Who art Thou, Lord?" "he asked in sudden humility. The answer Professor Harris has pointed ous. St. Paul never seemed to lose the joy of his new life of faith and freedom, nor did
he lose the surprise of it. It was always he lose the surprise of it. ${ }^{\text {It }}$. was always
to him a new thing. The great disto him a new thing. The great dis-
covery, was then and still is a perpetual
wonder, ever renewed as the life of faith springs up again and again.
The surprise and joy of the great dis-
covery may be seen plainly in the following verses, which were sent to me by our ord iriend Mollie. She told me
that the Bishop of London quoted them in his sermon on Trafalgar Day, as having been writen in the trenches. The poem
is named: "©hrist in Flanders." It will, I am sure, go straight to the heart
of those of our readers who have dear of those of our readers who have dear
friends at the front and who have found out that "spirit with spirit can meet", out that spirit with spirit can meet,
though the ocean may flow between.
This is a soldier's announcement that he This is a soldier's announcement that he
has made the great discovery. He is has made the great disco
speaking to Christ and says:
"We had forgotten You; or very nearly of nearly- we thought about your and then;
Especially in any time of troubleWe knew that were good in times But we are very ordinary men.
"And there were always other things to There's lots o
His think of -
wife, And so we only thought of you on Sunday,
Somet imes, perhaps, not even on a Sun, Because there's lots to fill one's life.

## byway

In country lane You walked among us street or by way Your feet were bleeding as You walked How did we miss Your Footprints in our Can there be other folk as blind as we?

N, we emember, over here in Han
(It iers not strange to think of You in This hideous warfare seems to make We never thought about You much in But, now that we are far away from We have no no doubts: we know that You You helped us pass the jest along the trenchess
Where in cold blood we waited in the trenchesed its thaldry and mace it
finuecled stoond hesside un in curr pain .un

We're glad to think You understood our weakness
. We think about You kneeling in the Oh, God! the agony of that dreâd
We know You prayed for us upon the If anything could make us glad to bear it, Twould be the knowledge that You Pain-death-the wittermost of human loss.
"Though we forgot You-You will not We feel so sure that You will not forget

But stay with us until this dream is past.
And so we ask for courage, strength, and And so we ask for courage, strength, and Especially, I think, we ask for pardon-
And that You'll stand beside us to the

How well God understands the human heart. In all ages the spirit of man has lound strength, courage, joy and peace in
the consciousness of the Divine Friend's Presence. When Moses trembled at she call to his tremendous mission, the
sufficient and significant promise of God was enough: "Certainly I will be with same promise: "As I was with Moses, so I will be with thee: I will not fail thee, nor forsake thee. Over and over again the command "Fear not!" is given, and
the secret of fearlessness is alway the same: "I am with thee." The whole Bible can be summed up in the one great
word: "Emmanuel"-God with us. Our Lord cheered His despairing followers by telling them that He would not leave them desolate, but would come to them. this all-sufficient promise was repeated: promise which is recorded in." The last Surely I come quickly.
Even the little sparrow, when it falls to the ground, is not left alone - the
Father is there.
His Presence is the Great Reality. Those who stand in the glory of the Sun of Righteousness find
that in Him there is The in Him there is no darkness at all. a dream. A year ago men were saying despairingly: "This war proves that Christianity is a failure! Now we hear has found the God she had forsaken: that there is a great revival of religious feeling in Russia; that the Italians are praying earmestry to God, and that the
soldiers their need to their unseen Captain. IVe know that anxious hearts all over the
British Empire are prayig British Empire are praying, every hour
of the day and night, as they have neur prayed before. Many millions, in this time of awful darkness, are reaching out God and they who seek shall find Until they realized their need, many
were too busy with earthly things to seek God. "There were always other
things to think of - there's a man has got to think of." But in times like these, many things which used to
seem important look very trivial indeed. When a man is looking Death in the face,
day after day for wecks or months, he day after day for weeks or months, he
knows that the making of a fortune is trivial matter compared with the finding of the Eternal God. When His hand is fying. He is the King to whom all the rulers of earth's kingdoms must bow. How can we despair if we really believe kingdom and the power? St. Paul suffered the loss of all things,
and felt that the matter was scarcely worth considering if only he might win (hrist is the Pearl of great price worth in
finitely. earth, and yet ready to give Hensures of
any seeking soul. (hirist? If not, are you earnestly feckind as men and women inch one of usneeded Him. Perhaps this time of world wide peril and sorrow may bring the
world, like a starving prodigal, into the world, like a starving prodigat, into the dhor is always wide open for Home. The 1 theren
Browning wilus

A slave: no misery could screen From Cæsar's envy; therefore twice I fought with beasts, and three times My children suffer by his law, At last my own release was earned I was some time in being burned,
But at the close a Hand came through But at the close a Hand came through The fire above my head, and drew
My soul to Christ, Whom now I see Sergius, a brother, writes for me This testimony on the wall-

Those who have made the Great biscovery are victorious, no matter what price they have paid for the Pearl o
great price. When the three brave great price. When the three brave
Hebrews preferred the fiery furnace to giving up their God, He walked with them through the fire. It is not strange oo think of Christ in Flanders. He chose the place of greatest danger, long ago.
Dora Farsicomb.

> FOR THE QUIET HOUR. Many gifts "for the needy" have been
sent by our readers during the past week Three donations of $\$ 500$ the past week Three donations of $\$ 5.00$ each, two of
$\$ 2.00$, and one of a dollar have been trusted in my care for distribution. Our Advocate purse will scarcely close-it is 0 full-although five dollars of this new supply has already gone out, in the form
of food and clothing, to several poor sick people. It is a great privilege to be chosen as be almoner of so many generous givers will try to do my share of the work faithfully, passing on your kindly help to those in need. I make it a strict rule
never to spend your money without never to spend your money without
personal investigation. With many thanks.

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lge (if child or misses' pattern) Measurement-Waist $\quad$ Bust
Date of issue in which pattern an




8942 (With Basting Line and Added Seam Allowance) Middy Blouse for
Misses and Small Women,
8750 (With Basting Line and Added
Seam Allowance) Plaited Skirt for Misses and Small Women, With or without Yoke and Suspenders,


806,
Seat
Sor

8953 (With Basting Line and Added
Sellm Allowance) (Gathered Skirt



1

## WHICH WILL YOU BUY?



## A "Cream Thief" or a "Savings Bank" Cream Separator?

 but it's mone may give you a a little better or longer service than another
differnce difference which one you choose.
ot so with buying a cream separator, however.
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A cream separator is used twice a day, 730 times a year, and if it
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or implement on the farm-a real "savings bank" for its fortunate owner. But iment on the larm-a real savings bank for its fortunate owner, Bu
enjoys.
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 Catalogue No. 7
 THE ADAMS FURNITURE CO. UMITED, TORONTO

The Ingle Nook.


What Our Readers are Thinking

A further number of letters on the
subject of eternal punishment in a lake subject of eternal punishment in a lake
of fire for wrong doers on this earth-
olane plane, have arrived. I select the follow-
ing, by "troud", as the most emphatic,
reqarding "the new interpereation",
 news concerning the future life. I have
not road the books you mention, but
亚 Thave the Bible and it certainly speaks
with no uncertain sound concerning the
responsibibility of all who have heard the responsibility of all who have heard the
Gospel.
Yes there are a few texts which might
be construed to mean that punishent
is eternal. For instance Paul says is eternal. For instance eaul says
C.There in on other name under heaven
given among men whereby we must be saved." This of coursey we must be to
Lord. Jesus himself in the Parable of
Lof The Virgin taugh that the door was
shut when the five foolish came a also the shut when the five foolish came; also the
"Young ruler who went away sorrowful toung ruler who went away sorrowful
to his great possessions:" of the man who was cast "into outer darkness"- not ${ }^{2}$,
flame; of "The rich man and Lazarus", flame; of "The rich man and Lazarus",
and the statement in St. John 3-18: Also and the statement in St. John 3-18: Also
read the last chapter of Revelation.
think Junia your trouble. .like so many others, sthat your prefertor reado othe books
rather than to study the bible and so
and have relapsed into a species of Hinduism.
God's love to man is fully shown in his giving up Ilis Son to die for us.
Where is the need of a Saviour in your theory? It we are able of ourselves to
attain Eternal L.Le", surly then God
it indeed heartless before all else, when He He could give up Ilis son to such a death.
Did you Junia, ver stuy just what
that death meant to desus and to us? I need not ask. You certainly have
spent no time or open mind on that Subject. Jesus preached to the spirits!
Who were they? Not you or I or anyone who has had an opportunity to repent
and believe. Where is it stated that God and believe. Where is it stated that God
arbitrarily condemns? Are we not rather to infer that failure to come to Christ condenns? It is ist that
we will not give un ourselves. Rene hber
"the Judpe of all the world will do right." the Judge of all the world will do right.
Simcoe Co ant I have no intention, Stroud STROUD. ing out into an argument or any explanation in regard to all the points which you oring up. Arguing on a variety of subjects
through a weekly periodical, especially when space is limited, is too slow a processs. The one subject at issue is, "Is the word
hell, as given in the Bible. hell, as given in the Bible, to be taken as
meaninga lake of literal fire lasting to al eternity, as s literalists still believe?" To
this question I have already this question I have already given my
answer very frankly, and there is no answer very frankly, and there is no
necessity for reepetition. I may, perhaps,
point out that Verion explained in a very enlighthening ways that
in translating the bisle the translators made a mistake, using the word "eternal"
where the word in the original really
whe meant "listing for an age or period"?
Howerer you have a perfect right to
Ho
$\qquad$
$\qquad$
$\qquad$

$\qquad$

I have read the greater part of the
Bible Society book you sent me with quoting the following selections.
"The word 'hell' occurs thirty-one every instance it is sheol in the Hebrew. It does not mean a lake of all resembling that , thought, not in the slightest degree I Quite the re verse: instead of a place of blazing
fre it is described in the context hre it is described in the context as a a place where shrieks and groans are heard, it is described in the context tas a (Psa. 115: 17.) "The meaning of sheol is the
hidden state, as applied to man's condition in death, in and beyond which all is hidden, except to the
eye of faith; hence, by proper and eye of aith; hence, by proper and
close association, the word was often used in the sense of grave, the tomb,
he hidden place or olace beyond whid only those who have the enlightened eye of the understanding can see resurrection. And be it particularly
noted that this identical word she is translated 'pit' and' grave 'thirtyfour times in our common version by the same translators more times than it is translated 'hell' and twice
where it is translated 'hell' it seemed so absurd, according to the present accepted meaning of the English word
'hell, that, in the margin of moder Bibles, the publishers explain modern means grave (Isa. 14:9 and Jonah 2:2) In the latter case, the hiddon state or
grave, was the belly of the fish in grave, was the belly or the hish in
which Jonah was buried alive, and which he cried to God,"nother part of the Bible about which
iteralists and modernists
have "I Th Ner word hades corresponds exactly the the heirew word sheol As proof see
antations of the Apostles from the Old Testament, in which they render it
hades. For instance Acts 2.22. Th it hades. For instance Acts $2: 27$, , Thou
will not leave my soul in hades, is a quotation from Psa. 16, 10: Thou wilt find, in your book, that every instance in which the word "hell", appears is
dealt with whether "sheol", "hades" "gehenna", or "tartartoo" in the reasonable that "The Jews gathered such extreme idea from the Lord's words. to them... It is a comparatively modern invention." Perhaps there are a few to whom it is not known that the entire Bible was translated, by men some few the Greek. At all events Hebrew and believe, we must know that, in the natural order of things, all evil brings retribution.
The suffering for evil always is ribl always be, intense, but it must also be reformative, else of what use? If not mere wreaking of vengeance, must be a unthinking mother might shast as an when in a temper herself. We cannot by a few for been severely taken to task by a few for presuming to use my 'reason'.
I cannot understand this It seems to me that "reason" is the greatest power God ever created, then why
should He or we think it of no use? Are we not intended to use it more and more?
I can assure these friends that a very great many people in the world are using
their reason, and have no intention of giving up doing so. These are the people
who dre ever seeking more light, and the oly porition just as soon as they find a
letterand sweter one. Only socan people However, I suppose this discussion mipht gn on for a year, without con-
vincing those who take an absolutely
deternined stand on cither side Those who brliceve in literal hell-fire have been mems: those who do not bele eve in it can-
not: questioners in regard to the subject may choose between the two. But
everyone has an absolute right to his or
her oovinion this Nothing would be gained by prolong.
ing the argument ing the argument further, and many letters
on other subjects are being held out to
make room for it, therefore the discus-

## EATON'S CATALOGUE

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 type or character in view, then build and acach Truh. Wumble life need not self more than St. Paul, yet he was ever however, is weak compared with that of
aspiring, mounting higher,
counting
Paul; - twilight in contrast with noon-
day Among moderns-Shakespeare,
Wordsworth, Browning, Tennyson, Long.
fellow, Emerson, Carlyle and Huxley fellow, Emerson, Carlyle and Huxley may be named as worthy ideals. But while these are great each in his special Hield, paul's greatness spans the whole:
"The invisible things of Him from the creation of the world are clearly seen, being understood by the things that are made, even Hiseternal power and Godhead,
Romans $1: 20$. Paul scaled the height he penctiated the abysses of creation, he saw the glory, he felt the might, he realized the harmonies and affnitites,
he bowed before the Infinite Majesty The thinker of our era can mount to no grander horizion, can cast no deepes
plummet, can speak no truer word.
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## $\underset{\substack{\text { ise } \\ \text { cien } \\ \text { cin }}}{\substack{\text { n }}}$

Kent Co., Ont. W. J. Way.
Your essay is very excellent and very Your essay is very exce
suggestive, Mr. Way.-J.
a budget of reflections
Dear Junia,-In beginning to write what one thinks about the war and the effect it will have on the world it seems hard to say anything that has not al-
ready been said because everybody talks so much about the war these times and so much about the war these times and
the newspapers are filled with war news and the opinions of so many different people. One would wish it was all
bad dream from which we should waken and find the world as it was before
It is causing so much suffering and so
many people are mourning the loss of many people are mourning the loss of
loved ones. To me this seems the hardest to bear, and the millions being spent every day, to carry on the war seem as nothing compared to the young hives
that are sacrificed daily while the war lasts. Then so many happy homes are into exile and sorrow. It seems to me, that there is nothing on earth so sweet as a happy home where loving kindness reigns, and so many of those homes that
have been desolate can never be as they have been
were before
We in Canada cannot fully realize what war means, while we have not
heard the sound of the cuns nor seen heard the sound of the guns nor scen
the armies of the enemies destroving our homes and doing all the harm they can, as has been the case in many places.
Notwithstanding all this think the world will be a better place to live in after the war is over than it ever was before.
One
One hears a great deal these times about the "Brotherhood of man" and
and we trust that we shall have more of that spirit in the days to come and that we all may try to give all we can to the world in every way possible instead of
trying to see how trying to see how much we can acquire
for ourselves. I think that the people who rise to
eminence shall be there because of the eminence shall be there because of the
good they do to humanity more than ever good they do to humanity more than ever
was the case before. After reading a piece was the case betore. After reading a piece
in the Advocate, entitled, Pasteur versus while trying to attain to worldly power or great wealth. In the coming years one of the world's benefactors while the Kaiser will be remembered as a a
director of murder, without even the director of murder, without even the
respect that is given the memory of the great Napoleon.
Right is becoming stronger the power of that the time is not far hence when, "Right not Might", shal! rule the world, we believe she brought on the w, and that purpose, would it not have been better if the money that she spent on the
war had been offered to some country. It seems to me it would have
bought more territory somewhere, than will be allowed to be held by Germany of millions of her best subjects. If all
on the countries engaged in the war had the money spent in carrying on the war, to
be used in improving and beautifying their countries, what a beautiful world we should have. The world is realizing as never before what war really means, and we believe that when this war is
settled, the nations will find some other settled, the nations will find some other
way to settle their disputes, as has been the case for many years between Britain and the United States.
In our home life too, one thinks we more simply, then we would have more time for better and greater things in life and so do our part towards making the It will be well if in our Ife we can look back on the years that have gone and know that we have done
our best. I will close this wishes to you, Dear Junia, and all the
Ing!e Nook friends.
$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$ he Ingle


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driven harnessed recularly; his stock has won, i
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drafters combined. He is sired by magnificent son drafters combined. He is sired by magnificent son
of Baron's pride, and is out of Royal Favorite
mare. Sold for no fault, but because Holsteing reason for this neglect, I
the "Advocate was a privileged place for the gentle sex only, where they could make known their semative to houssebold duties, or otherwise, of little interest to men- especially confirmed bachelors. But, on looking over the last issue of the Advocate (Feb. 10th.) my attention was completely arrested by the very columns ihad previously spurned, and I became as much absorbed in their contents, as a novel-reading girl would be in a splendid love story in which a bachelor higured why there are so many bachelors The sight of seeing these real bachelors inside of the "Ingle Nook" circle and staggered my imagination, and aroused within my very soul an unfamiliar curiosity "stranger than fiction"-to know what they were doing there and what they had to say. So you see the presence of these Nook influenced still another to make call and have his say. Well, I have this o say: That in my opinion, these the idea of escaping military service by using it as a medium through which they might procure a life companion, therefore warding off conscription which may become a reanity in case of single men or perhaps, with the idea of making thent Happy tho singe and sound happier. Now laying aside all humor come bachelor friends and "let us reason gether," and as a fair question: How do "nature spirit" that permeates the letter question for myself in answering the with her or myser,' I must say that blends. Further, I must say that "Ca nadian Girl" is natural-a Child of Na nare, free from paint or or polish. Oh!
"NaNatuence over me me and fromerts a great an inspiration that fills my which comes adoration and a higher conception of "Him "with whom we have to do." "Canadian Girl" has hit the right trail, surely,, in responding to the "Call of the Wilds," for there is a power in Nature to lift the drooping spirts, to strengthen hope, and to make our love more perfect. The poet has put the question of nature-love in impressive lines thus:

The smell of flowers and sound of he song of birds and hum of bees, Murmuring in green and fragrant The voice of children in the spring And must be, at least, a gentle rebuke to those whose hearts are hard and very Perhaps my letter of humorous sentiment and, of course, seasoned just a gether too long to find a place in the Ingle Nook," so I will forego saying have just passed out to your Ingle Nook reading discussion. Will look forward ollow in the discussion, the letters that referred to. Wishing you every success in making the Ingle Nook an attractive place-so firmed old bachelors will be drawn from their monotonous old ruts-to seeking a place in the social life of the Ingle Nook
Bachelor D. Bachelor

Some Household Topics.
Dear Junia, -I am really in your nook written before, and am just like never others come for advice. Now many days are getting longer I want to do some repairs for the spring cleaning. My spareroom is in need of new stand and dresser or what is most used now. You always give such nice ideas I thought you could
help) me, as many others have been help!n wonder if you or any of the Nookers could tell me how to keep wool fron filling for comforters. I have made some and they are lovely, almost as nice as
down, but the wool comes through when worn a little while. A friend told me to
boil the wool before I carded it and it boil the wool before I carded it and it
would not come through, so I tried that


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fraction of such a suing. would pay for your Spramotor. The Spramotor is operated by hand b. h. heard Spramotor, 2730 King St., London, Can.
and still it works out. I was thinking of soaping the sateen, same as some do ticking for pillows, might be effectual. Would the soap fade the sateen?
The day of heavy quilts is over, and it is time, for how tired one feels in the morning after sleeping under a load of heavy bedding. I have been much interested in the replies to the subjects
you gave for discussion. I think it was really a humane act of Dr. Haselden to let the Bollinger child die. What parent would want to see her child live in such a condition
Thanking you in advance and wishing you and Hope long life and prosperity in your g
week,
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Nothing can be prettier than white linen for the covers, embroidered or
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colored lace or embroidere
each end with colored silks. Can anyone answer the question in regard to comforters?

Some Tested Recipes.
(kindly sent by a member)
Dear Ingle Nook Friends,-It is a long time since I have written to the Nook, and I thought I would send you some tested recipes and ideas.

Pumpkin Pie.- $11 / 2$ cups cooked pumpkin, 2 eggs, 1 cup rich milk, 2 tablespoons melted butter, $1 / 2$ teaspoon salt, $1 / 2$ cup sugar, $1 / 2$ tablespoon ginger, 1 teaspoon cinnamon, 1 teaspoon cocoa. Cook 25 minutes. For one pie. Put pie in hot oven without grate underneath it at first, then it will not be soggy on bottom, Test when done. Touch lightly with finger, and if nothing sticks, it is done. The pie made from this recipe took first at our Fall Fair.
Ginger Snaps (without eggs)-One cup molasses, 1 cup brown sugar, 1 cup butter, 5 tablespoons warm water, 1 teaspoon soda, 1 large teaspoon ginger, 1/2 teaspoon cinnamon, 1 large teaspoon cocoa. Flour to make dough. I sometimes put two together with caramel or white icing. Turn pan upside down and snaps are not so apt to burn. I bake all cookies that way.
Bran Muffins.-Two cups bran, 2 cups flour, 1 cup brown sugar, $1 / 4$ cup butter, 1 cup sour cream, 1 egg, 1 teaspoon soda, 1 teaspoon baking powder. Spices: $1 / 2$ teaspoon ginger, $1 / 2$ teaspoon
cinnamon, $1 / 2$ teaspoon cocoa. This will cinnamon, $1 / 2$ teaspoon cocoa. This will make one dozen.
Oatmeal Bread.- One cup rolled oats, $1 / 2$ Royal yeast cake, $1 / 2$ cup molasses, bread flour, 1 teaspoon salt, 1 pint boiling water. After dinner- 1.30 or 2 p.m.-pour the water over the oats, then set aside in a covered then add molasses, the yeast cake dissolved in a little lukewarm water and $11 / 2$ cups of bread flour. At 8 or 9 p.m. add salt and flour enough so as not to stick to hands; let rise over night. In morning push down, let rise again, then put in pan. Let rise again and bake. This makes two loaves. I sometimes put 1 cup of raisins.
Cherry Cake.-11/2 cups boutter, 2 cups white sugar, $1 / 2$ cup milk, 5 eggs,
$41 / 2$ cups pastry flour, $1 / 2 \mathrm{lb}$. candied $41 / 2$ cups pastry flour, $1 / 2 \mathrm{lb}$. candied
cherries, 2 cups sultana raisins, 1 teaspoon cherries, 2 cups sultana raisins, 1 teaspoon baking powder, 1 teaspoon vanilla,
10 cts . of citron peel. Bake in a steady oven for about 2 hours.
Date Sticks.-Three eggs, beat 10 minutes, 1 cup white sugar, 1 cup walnuts, 1 cup dates, chopped and floured, 3/4 cup flour, 1 teaspoon powdered sugar, Cut in pieces while hot and roll in powdered sugar or ice or frost. fresh milk, then rub on some light-colored soap and rub lightly the soiled parts of gloves. Let dry on hands
wives use their dish drainers farmers wives use their dish drainers on the
proper side of dish pan. It also applies to preparing apples, potatoes, or any of the vegetables. As I always have my dish cloth in right hand, I always have my drainer at left hand, and also pan for prepared vegetables, to save time and handling.
mear Junia,- We hear and read so much about the dear little kiddies of the
war zone. Can you tell me why they do not send some of them here? I am sure love to have a little girl, myself about lots more that would. If I have written too much, just throw the paper away.
We always look forward to the ADoorate Wellington Co., Ont. Farmer's Wife.

One of our contributors who tried to
get a Belgian child tells me that she could not because the Belgians are Roman Catholic homes most part, in tending to take them back to Belgium as soon as the war is over. I Belgium been able to find out anything, as yet, let you know as soon as any details are obtainable.

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News of the Week
The Provincial Government has de-
termined to refer the question of prohibition in Ontario to the people as a referendum.

The Ontario Government is arrang-
ing for 15000 high school boys to do ing for 15,000 high school boys to do
farm work, hoping thus to relieve the serious condition due to lack of help.

Henry James, the noted novelist, died in London on Feb. 28th

Queen-Mother Elizabeth, of Roumania, known by her writings as "Carman Sylva," died on March 2nd.

An agitation against King Ferdinand and Premier Radoslavoff is said to be brewing in Bulgaria

The United States Senate, by a majority of 68 to 14 , stood by President the right of Americans to travel, unthe right of Americans to
warned, on the high seas.

By the sinking of the French auxiliary cruiser "La Provence." torpedoed in the their lives.

Great Britain is buying huge triplanes from the Curtiss Company to oppose Zeppelins
There is a report abroad that both Turks and Bulgarians are asking peace terms from the Entente. The Turks
ate said to be removing the mines from the Dardanelles.

Eight British ships, with about 66 lives in all, were destroyed during the week, by mines and other causes, in
During the week British aviators wrecked two zeppelins in Belgium, and
a French aviator brought down a Gera French aviator,"
man "Albatross."

After a lull the Germans on March 2nd launched violent new attacks to the north and northeast of Verdun, and about the village of Douaumont, first taken by the Germans, then surrounded by the French. It is stated that the cannonading was incessant, and heard
188 miles away. Both sides have lost 188 miles away. Both sides have lost
terribly, but, at time of going to press, the French lines still hold firm. In the meantime, to relieve the pressure on the
French, the British struck a powerful French, the British struck a powerful blow southeast of Ypres, and recap
tured nearly 800 yards of trenches. tured nearly 800 yards of trenches.
In Mesopotamia the Russians continu In Mesopotamia the Russians conce victoriously, having taken Kermanshah and the important city of
Bitlis, 110 miles south-east of Erzerum

## The Dollar Chain

A fund maintained by readers of "The
Farmer's Advocate and Home MagaFarmer's Advocate and Home Maga-
zine" for (1) Belgian Relief; ()2) Soldiers' Contributions from Feh. 25th t March 3rd: Edward Tye, Oregon, S. S,
$\$ 2.50 ;$ Tas. I. Watson, Walter's Falls,
Ont., \$1.00; Mrs. Iohnson, Bickford, Ont., \$1.00; Mrs, Johnson, Bickford,
Ont., $\$ 5.00 ;$ "Scotia," London, Ont.,
$\$ 1.00$; Willie Armstrong, Gramebridge, $\$ 1.00 ;$ Armatrong, Camebridge,
Ont., $\$ 1.00 ; \mathrm{J}$. W. Camplell, Rockwool,
Ont., $\$ 1.00 ;$ William Paton, Millgrove, Ont., $\$ 5.00$; A. Reader of the Advorate,

Port Hope, Ont., $\$ 10.00$. Amount previously acknowl- $\$ 2090.35$ Total to March 3rd $\quad$| $\$ 2,116.85$ |
| :---: | :--- | :--- | IF YOU CAN'T GO TO THE FRONT, Kindly address contributions to "The

Farmer's Advocate, and Home Maga-
zine, London, Ont."

In Male Attire.
WOMEN WHO HAVE LIVED AS MEN By Edwin L. Arnold, author of Phra the Phœnician
American law courts have lately been engaged settling a romance in which one of the chief incidents was the donning of male attire by a girl in order that she might the better make her way in the
world. There was nothing very novel world. There was nothing very nove about the circumstances of this case, but attraction which the habiliments of the other sex have had for many women in the past. Marie Le Roy, who passed for 20 years as Harry Lloyd, and Mrs. Elene Smith, who managed a large business house in New York for five years, and only lately confessed her sex in order that she might indulge in some scathing criticisms of American society in general, are instances which will be fresh in everyone mind.

## Woman Who Bullied the War

 OfficeThere was the famous Dr. James Barry, or example. This individual, as anyone may see by referring to Hart's Army List or January, 1865, entered the army in that year as a hospital assistant, and passed through all the grades of the service till he became at length Inspecturgeneral of Hospitals, fighting several duels bullying the War Office of the time, no bullying the War Office of the time, no
one doubting that he was a masterful and high-spirited man until "he" died, and it turned out that the fiery little doctor was after all a woman. What a life of repressed emotions it must have been-emotions which found no confidant even in the last hour!
Then there was poor Calamity Jane, the famous woman soldier and scout, who died ago, wild, tempestous, and untamed as ago, wild, tempestous, and untamed as
she had lived. She was the original of Bret Hart's Cherokee Sal, and everyone who has read "The Luck of Roaring Camp,"-and who has not?-entertains a soft corner in his heart for that poor outcast of western civilization. Jane was one of the most picturesque characters ever the plains in the late sixties, young, handsome, and daring. Dressed in men's. clothing, she served as a scout with the United States army during several Indian campaigns. During her career she took part in scores of battles with Indians and bloody affrays with desperadoes. In 1877 she overtook a stage-coach from Cheyenne just as a band of Indians had killed the driver. She mounted the box and drove the passengers safely into Deadwood. This delighted in. Jane spent all her life amongst riot and bloodshed, but there were two very tender spots in her nature. She loved the little daughter who came to her in her middle age better than the life she hazarded times out of number, and next to the child, in her fierce heart, stood her mare Bess. That horse was eventually shot by Indians in a border fight, and fane made the Sioux pay heavily for it.

Fought in the American Wars.
Another woman who fought in the American wars in male attire was Madame elasquez. This lady joined the AmeriI ieutenant Harry Bulford before she was 21 years old. To disguise her tell-tale
form she went to an old French army tailor form she went to an old French army tailor
in New Orleans, who knew enough about in New Orleans, who knew enough about
his own business not to bother too much about other people's and got him to make her a special undervest which filled in the lines of her waist and completely effected the purpose for which it was intended. Lieutenant Harry T. Bulford in due time had her heart's desire, "a hand in a great fight." She fought through the famous battle of Bull Run, and acquitted herself so well that she was complimented by her superior. She next decided to seek re-
nown as a spy. Here she was confronted disguice herselficulty. She had had to disguise herself as a man to get into the
army; now she had to return to her army; now she had to return to her
womanhood to get out of it. In female gear she did eventually go over to the ant information madame returned and oyyfully redonned her uniform, the Confederate officers, who had not the slightest idea that she was not a man, continhostile camp. At the fall of Fort Donaldso



Takes all the Drudgery out of DairyingTurns Wages Into Profits Frees you from depending on hired helpMakes it possible to keep more cowsMilks them more Regularly and UniformlyCoaxes them to Let Down Milk more FreelyProtects the Milk from Dirt, Germs and Odors What it Accomplishes
One man with one double or two-cow unit will milk 20 to 30 cows
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mitted along the stalls by piping to which mitted along the stalls by piping, to w teat cups complete with connections for air and milk, and a Pulsator. By means of this Pulsator, vacuum (suction) and atmospheric pressure are alternately applied to the linings of the teat cups,
causing them to collapse and expand by turns, massaging the teats by the pressure, then drawing the milk in spurts
by the suction. The instant it is drawn the milk flows into the closed pails. Milker is of interest to owners of either large
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| GE0.KITH 8 S0N |  |

Lieutenant Bulford wats severely wounded,
and to escape awkward horpital inquiries
deected for a time. For many years
afterwards she acted as or blockade aterwards she acted as spy or blockade
rumner with mach success, mutil at latt she fell to a more insidious enemy than any encounteryd before, and, droppenk the soldier's bluc/ tunic for the bridal rolle,
livect, we mudt hope, happily ever after-
$\qquad$
$\qquad$
$\qquad$
the only "ay to escape from the im-
portunities of the portunties of the opposite sex was for
one of them to join its ranks. They swore eternal fidclity, and, having, decitcel to live as man and wire, tossed
up in the parlor of their litte East End cothane for sex. The coin decided that Mary East should be the hustand, Mand a few weeks after "Mr. and Mrs. How" invested all their small resources
in the lome of a public-house at Eipping.
This town was then very popular with This town was then very popular with the london gallants. One of these
took lodgimgs with the couple, and made

The first tableau of the drama had shown he girls putting together their poor little hoard in the East End slums; over such a pile of bank notes at Epoating as they had never dreamed of before. Fonen death came.
$\qquad$ together; then fate took away the wife.
Poor Mary! History is grief, hary! History is silent as to her that third tableau, as she sat alone at the bedside in the night, hand in hand with those 34 years their sorrows and happi-
with two other ruffians he threatened to lrag the girl to prison unless a heavy bribe or hush money was paid. At this crisis a Mr. Williams appeared the villians and rescued Mary at perhaps the most dangerous moment in all her se most dangerous moment in all hes to have married her later on, but does not appear to have done so. However, her sex was acknowledged shortly after this; perhaps she wearied of deception now that it could no longer protect her
girl comrade. It is pleasant to be able girl comrade. It is pleasant to be able
to end one of the greatest romances of the kind by recording that Mary presentthe kind by recording that Mary present-
ly sold all her husiness, resumed her proper name, distributed half her property proper name, distributed half her property
among her supposed wife's relatives,


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companions an old hag, a cat, a dog,
and a magpie, her only recreation
writiting a novel, with a pair of bellows writing a novel, with a pair of bellows
held on her knee in default of a table!
Poor, unhappy girl, what novelist ever Poor, unappy girl, what novelist ever
hefore brounht such teeming experiences
to so humble a desk? a talbot.
This was not the only young person
of vood extraction why yhat strange
advenures in male attire. Mary Ann
Talbot, natural daughter or an Earl
of Talbot, seems to have inherited much of the spirit of that fammus family. Indeed, for sheer downright adventure,
for pluck, persistence, and all the qualiYor pluck, persistence, and all the quali-
ties which go to make the tyical
heroine in borrowed plumage, it may be doubted if she had any perer.'Her father
dying, when she was still a child, left dying, when she was still a child, ert
a sum of money for her maintenance, a sum of money for her maintenance,
and put her in the hands of one whom
he doubtless looked upon as a trusthe doubtless looked upon as a trust-
worthy guardian. But the guardian
proved false, the money was misap-
olied and at an the plied, and at the ame of 14 poor Mary
Ann had drifted into the keeping of a worthless Captain Bowen, who took
her to London, and thence, disguised as a page, with him thance, his resuisent
to the West Indies. Then the captain to the West Indies. Then the captain
was ordered back to Europe on active service, and gave Mary the alternative
of being sold as a slave or putting on a drummer boy's aniform or aud follo on ong
his fortunes to the war. What was
he his fortunes to the war. What was
the girl to do? There could be no
question. She chose the line of teast questance, and dhose the line of least troops to battle, and drudged for the
Captain for many months. Captain for many months
At the siege of Valenciennes she received two wounds, and, herein illus-
tratitg her Spartan pluck, sooner than go to hospital and acknowledge the
secret so successfuly guarded hitherto, secret so successfully guarded hitherto,
she actually endured a musket ball wound
in her breast and a sword cut across the shoulder without a whisper to any-
one, curing herself with stolen lint and
sal one, curing herself with stolen lint and
salues. it it doubtul whether even
a Talbot ever did a hardier thing than that. Then came a picturesque incident.
The false Captain was killed in the next The alase Captain was kind in the next
attack on the town, and at dead of nizht the lue cless, maid -shamed, de-
spised, unsexed, "tossed about in the spised, unsexed, "tossed about in the
storms and bullets of the world,"
abibeit she was even the albeet she was even yet hardly 20 went
out to search for his body. She found
it, with what emotions can be easily it, with what emotions can be easily
imagined, and securing the soldier's keys returned to his tent, discovering and
reading there by lantern light a packet
of letters which gave her the half-forgoten story of her birth, and dislosed
the fact that Captain Bowen all thro the fact that Captain Bowen all through
their adventures had been receiving the
money her father left and using it himThe discovery does not seem to have
done Mary much good. Probably the done Mary much good. trobatyy the
love of roving had enterd intoo her
soul, for rouse was made of this chance
to to return to an orthodo life. Instead,
we find the girl slipping away from the
regiment regiment. Possily she hated it, and
the life there too much to stay, and
dropping the scarlet tunic only to put


had not taught her caution.
Cams boy pirtr.

up his tears, and eventually put him on
board the Brunswick \&as a powderboard
monkey.
How Fate and Mary must have smiled at his simplicity. Wounded again by
grape-shot, the
sowder-monkey spen grape-stiot the powder-monkey spen
some time in hospital at Spithead
withe hent without her secret being discoverad
then went to sea anew; was captured by the French, and lay in prison a
Dunkirk for a year and a half. She escaped, was recaptured, and eventuall
turned
toose into the, streets of th french town.
Shipping on board a merchant vessel-
this time the adventuress went to New Yow ork with
the owner, Captain Field, and was taken the owner, Captain $\begin{aligned} & \text { ieled, and was taken } \\ & \text { into is family as a valet. Here Captain }\end{aligned}$ Field's daughter fell wildy in love with
the attraen thin complicated matters by smiling on
the the match and begging "James Tailor
to marry his child. When the time came for James to sail again the daughter had
hysterics the hysterics, the comely steward being
fetched back twice from the ship to comfort her, and it was only after a solemn promise of returning at the
earliest eariest possible moment that
eventually allowed to depart.
selized by the press gang. Landing in England, Mary Tal
still pursued by fate was seized press gang, and, to escape another long
term of service afloat, acknowledged cerm of service afloat, acknow
her sex. Thice she turned highway mant but, courage failing her at the
ffrst first bout, deserted the companion
she had chosen, and, feeling by this
lime she had chosen, and, feeling by this
time, perhaps, that there were certain
charm charms in a quiet life ashore, put on
female dress, and, joining a dramatie company, spent the rest of life in re
counting her counting her manifold adven
delighted
London audiences.
Amongst other masqueraders whose
history is on record, Hannah Snell mat be mentioned. In her case a romantic
attachment to a worthless husband
caused a caused a change of attire, Hannah
spending a good part of her life roam-
ing about the sailor and then a soldier at one time a rogue, whom she eventually heard had been put in a welghted sack and tossed mob. "Molly Gray," as her com panions on board ship called her, o
account of a beardless face, never married again, and in the end, alas! died in Bedlam. She went through all the usual cumstances, keeping a public-house telling her adventures on the stage to wards the latter part of life. Like wound, received in the storming of who helped with all save an old negress the bullet out of her body, they hav ing no surgical intsruments at command
to happier circumstances.

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bered 40 acres white spruce, balance mi
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live stock. House, fuel, garden plot, elt. $\mathrm{M}^{\text {AN }}$ to work around sinall place in London. $\mathrm{O}^{\text {NTARIO Agriculturall College strain of bred }}$ to-lay Barred Plymouth Rock egss. 81.50 pee $W_{\text {ANTED- } 2 \text { first-class single men for generd }}^{\text {farm work, good wages and board. }}$ ence work work, good immediately. Wm. Manning \& Sons
Voodvile. $W^{\text {ANTED to purchase e che ese factory }}$ withis
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The Windrow．
There are now $\overline{2,834}$ munitions＇plants There are now 2,83 munitions＇
going full blast in Great Britain．
Sir George Paish，one of the most eminent economists in Europe，says
sat
ent ${ }_{\mathrm{a}}^{\text {a day．}}$ The Audubon Society of the United States is carrying out a plan to con－
vert all cemeteries into sanctuaries for vert al
birds．
It is proposed that the new Federal Capital of Australia，for which the name Canserran in commemoration of of
called Anzac，in called fomous landing of the Australians
the fan New Zealanders on the Gallipoli and New Zealanders on the Gallipoli
Peninsula．The word was coined from Peninsula．The word was coined from
the initials．of＂Australia and New the initials．Army Corps．＂The Australian capital，it will be remembered，is to be
built throughout according to a plan． built throughout according to a plan．
Since the Russo－Japanese war Japan has prospered so a gold reserve of a quarter billion dollars．Since then she
has gone forward more rapidly still， making rapid progress in many manu－ factures，in commerce and ship－build－ ing．
A malady called＂trench－foot，＂caused by standing in cold mud and slush， is causing much trouble to soldiers along
the lines．To prevent it the lines．To prevent it，waterproof
silk bags，to be worn inside the boot， are recommended by a French physician． Flexible and supple artificial noses， by an invisible mastic，are being sup－ plied in Europe to soldiers whose faces
have been mutilated．Lips are sup－ plied by clever grafting．
FA new French aeroplane is prac－
tically invisible．The body and frame－ work are constructed，as in ordinary machines，of aluminium，braced with
wire．Over the framework is stretched
a transparent material called＂cellon＂

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THE CALDWELL FEED \＆CEREAL CO．，Ltd．，Dundas，Ont．
STANDARD FEEDS
which does not crack or splinter，while a height of 3,000 feet the aeroplane
becomes an indistinct blur：at 6,000 becomes an indistinct blur；at 6,000
feet it absolutely lost to sight．

One of the achievements of Can adian engineers at the front in Belgium
has been the building of a railway which has been the building of a railway which
runs just behind the front line trench． The rails have a 2 foot gauge，and a stand above the rail only $31 / 2$ feet．
In the night trains run along the track In the night trains run along the track
bearing food，munitions，and every thing needed in the trenches，When a German flare lights up the sky the engine and cars are painted as the color as the ground there is little chance of their being seen．

Suits Free！
Remarkable Cloth that Won＇t Wear Out Now readers，would you like a suit or pair of pants absolutely free！A most known English firm！They have discov－ ered a remarkable Holeproof Cloth．You can＇t tear it！Yet it looks just the same as $\$ 2 n$ suiting You can＇t wear it out
no matter how hard you wear it，for if during six months of solid，hard grinding work every day of the week（not just
Sundays），you wear the smallest hole sundays，you wear the smallest hole，
another garment will be given free！The frm will send a written guarantee in
every parcel．Think readers for a man＇s suit and only $\$ 2.25$ for a and postage paid to you all charges six months＇solid grinding wear． don＇t think because you are miles away you cannot test these remarkable cloths， to The Holeproof Clothing Co． 56 Theobalds Road，L．ondon，W．C．，Eng． Tor large ranke if patterns，easy self－
measure chart and fashions． measure chart and fashions．These
are absolutely free，and postage paid．
Send 2－cent postal card at once！Men－
tion＂The Advocate．＂


Why do so many farmers put up with this wretched kind of heating？ You can save health，money，comfort－－－the family unity－－－with GURNEY－OXFORD HOT WATER HEATING

Look over your own lifetime and the experiences of your neighbors．Is it any wonder that the young folk，and the hired help，wanted to leave for the city－ with the farm home cheerless and deathly－cold for month after month in the winter？There is certainly no excuse＇NOW for a badly heated farm home，with Gurney－Oxford Hot Water Heating a tried and proven success in hundreds of country houses．
What Does Hot Water Heating Mean？ It means a Gurney－Oxford Hot Water Boiler， the most ${ }_{3}$ scientific and economical in the market， generally placed in the cellar，and connected by
pipes with radiators all through the house．The one pipes with radiators all through the house．The one matter what the size of the house may be，by keep－ ing the hot water circulating all through the system． Only one fire to look after－no coal－dirt，ashes and dust in any of the living rooms．
Onty one fire to look after dust in any of the living rooms．
Gurney－Oxford Hot Water Heating lessens labor，takes less fuel an makes farm－life worth living．


You certainly don＇t need running water in the house．All you do is put a few buckets of water into the pipes and radiators in the Fall and the same water lasts for months and months．The Gurney－Oxford＂Economizer，＂a wonderful draft－controlling， patented device which goes with our Boilers，enables anyone，even a boy or girl，to regulate the heat to suit the temperature outdoors．
You get a beautiful，even，natural kind of heat from hot water that does not dry out the air and is very easy on fuel． A Gurney－Oxford Hot Water
out fit greatly increases the outhit greatly increases the
value of your home should
you ever want to sell． you ever want to sell．
It is a permanent improve－
ment．It makes your home ment．It makes your home－
cosy and comfortable－the
envy of your neighbors． can be installed in your．pres－ Our Booklet Explains Our now booklet，＂，＂City Comfort
for Country Homes，＂explains our Valves and fittings for a h houselike elike
this，with son feet of radiation，
 Curney Foundry Co．，Limited

476－534 West King Street，Toronto （Montreal，Hamilton，Winnipeg，Calgary，Edmonton，Vancouver．）


[^0]Prohibition Pays. In a reecnt speech the Hon. Arthur Capper, Governor of the state of
Kansas, made, among others, the fol-
 ly, as well as morally, a good thing for a country. Here is what he says: Our per capita wealth of 81.630 is greater than that of any other Statee
and twice as whib as that the the United
and tive
 abte wealth-an increase of $879,000,000$
the past year-and enables us to main-
 and-lower than tepal
State
tatith one exception.

 "We have enrolled in our colleges
27,00 students the largest college attendance in proportion to population
in any State.
.






 that Kansas is all right." he says, pay tribute to ine prosperity of the erwe interests procaim to the world that
Kannsat is on the the high way to fonancial

 its debts, and its bonds are worth more
than 100 cents on the dollar.,"

On Conscription in Canada.
Editor "The Farmer's Advocate":
As a reader of your valuable pape

 serious. Why should he not be, he he he
when the war is taking the very best
manhood we hav? manhood we have? Any person cap
able of reason could not help but
agree with the reasonable statements made in his article, Jan. 13 , in regary
to the wastage from to the wastage from rural districts
Is not this a vital problem and one
worthy of serious consideration? This correspondent also makes the
statement that Germany is fighting statement that Germany is fighting
for its life. Is it not rather fighting
to world supremacy?
Mrs. Arthur Remington "believes they should
as to to the go." Re her
remark
brutal treatment
British as to the bruta treatment British
soldiers are receiving in Germany as
prisoners of war. On that all eligible Canadians should en-
list, what present help or relief would list, what present help or relief would
this afford the prisoners? Mrs. Rem-
ingtonal ington makes the scathing remark:
that "the rural population has suddenly
become terribly become terribly interested in produc-
tion." Why should they not be?
Has not the governtent peristent Has fod this upon them? What kind of a world would this be if all the fit men should go to the firing line? I suppose there would
then be a monopoly of women at home Are all women as capable of running a farm as this woman claims to be?
Which is of greater value, the man in the town with a "few sticks of furni-
ture," or the man producing food for efficicnt as Mrs. Remington it were as
would he best Would he best to keep the men on the
firing line. Her positive statement that
Providence provides equally for Providence provides equally for all is
not borne out by the facts of real life

Make your Maple Trees Produce a Profit Never before has there been such a fini
ooportuity to earn big profits from your
maple trees, maple trees.
Thite alpoly of pure maple producta hit behind the demand. This means higher pricom
and d market ready to talke all that you can
produce. Get ready now for spring tapping. Select In the meantme write for our free cosirculer
which illustrates and describes hor which illustrates and describes how you can
make the frinest grade of syup and sugar-
quicker, easier and at a lower cos. The Champion Evaporator


Grimm Manufacturing $\underset{\text { Limited, }}{\text { Co. }}$ 40 Wellington Street, Montreal

| GRIFFITH'S GR1 TRACE <br> Have your dealer show you these outite. If he hasn't any in stock, write us. But make sure you get them. Nention this paper and we will send you a list of \& SON, or Waterloo St., Stratford. |
| :---: |
|  |  |
|  |  |



## MILTON BRICK <br> Smooth, Hard Clean-Cut Write for Booklet. <br> MILTON PRESSED BRIGK COMPANY

## Use Agricultural Lime

 Beachville White Lime Co. BEACHVILLE ONTARIO Our lime stone is highest grade in Canar'a Insist on "GOOD LUCK" Brand COTTOH SEED MEAL
## 

Crampsey \& Kelly Dock

TOUNDED 1800 ple Trees Profit been such a a
monte
mot
from le products in ane all that you ca


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## $\sqrt{=}$

## uring Cimited

$t$, Montreal

March 9, 1916
Questions and Answers
${ }^{\text {1st. Ounstions asked by bona }}$ this department tree ionld be clearly stated and
 add ress of the writer.
3rda In in veterinary uestions. the oymptoms
and epecially mut be rully and cieant se siven.
 urrent veter

## Miscellaneous.

Land for Corn.
We have two pieces of land for corn one oat stubble with some little couch grass ploughed last fall, which will need some little working to prepare for corn-the other a clover sod, a good, strong plant on which we had a good crop of hay 1915. The secons crop grew up werm, seed. It was a failure as to seed. The weather was very wet, and the work behind, so we let the crop remain, on the land. This also has some couch grass, and has not been ploughed. Which would you advise, to plough the sor land a good depth with skim couters, thus covering sod theell to a good seed bed and plant corn in hills 40 inches apart, or werf planting the land and elean wer for fields. We grow about 10 or 12 acres yearly for silo, and have done the quantity years. There grown in thity of seeing how corn cultivation is carried on, as in the corn districts. We have been fairly successful with our crop and would not do without it.

Ans.-We would advise oun cortes pondent to read the article entitled Growing Corn for Silage Purposes in
Ontario," which appeared in our issue of Feb. 24. We prefer sod land for the corn, and from the question would sod, provided the couch grass is kept sod, provi
in check.

## Probably Grub in Head

 My sheep appear to have some trouble dull very suddenly and refuse to eat anything, and appear weak in the back and sometimes seem to grind their teeth At first I thought it was something wrong with their jaws. The first one only lived twenty-four hours. They didn't appear to be in any pain.1. What can be the matter?

Is it contagious?
3. What would you advise me to do if any more take ans. 1, 2, 3. We are inclined to think by the description given that the sheep were troubled this is due to sheep gadfly laying its eggs in the nostrils of the animals in summer time, which find
their way into the head and hatch out the larvae or grub which, in some sheep. Preventive measures arè tarring the sheep's nostrils in the fly season. We have heard of sheep showing symp-
toms, having the grub dislodged by a sharp crack of a mallet on the top of the head. A little spirits, of tur-
pentine syringed up the sheep's nostrils so violently that they dislodge the grubs. However, these treatments are rather heroic, and are
practiced as a last resort. tion is letter than cure, and we would the summer season. It may be that if more take it you should call in
veterinarian. The disease may be some
liver or other constitutional trouble.

Puill Stumps The Eosy. Practical Way


## The Page

Wood Saw is Simple and Strong Designed right, built to last, this
saw is ideal for cuttuing poles and cordwood.
A rigidy-braced steel frame, with tiliting table-a dust-proof shaft
box-balance wheel and pulley

It Costs Only \$19
Where eles owid fou get such haw at

The Page Wire Fence Company
When Writing Please Mention Advocate


Saw Blades Supplied at These Low Prices

$\qquad$

A Letter from Quebec. A Drummond County, Quebec, corres
pondent, C. H. Pye pondent, C. H. Pye, writee in renew ${ }^{\text {ing }}$ 'My only

My 50 (wn enisted, so with over 50 head of stock and shipping milk to look after, I found that hadn't the necessary time to do a little gard to your good and ever welcome gard to your good and ever welcome
paper. It is_the first opened on arrival paper.
and much appreciated by all on the houseand much appreciated by all the house-
hold. For myself
without it holt. For it for double would not bee
without
much appreciate the experience of and much appreciate the experience of ofder
farmers than myself, re milking cows being turned out daily. I turn mine out twice daily to drink, and $I$ have had
good good luck. No trouble calving, no
stiff legs, good, strong calves, and the cows keep up a good flow, of milt, cows out to drink, but I think I am well paid in the condition of my cows. But 1 mustn't forget to say that
don't allow them to remain enongh to chill. to remain out long
I think the cows don't feel the cold when they the cows
out every day from early fall.


Founded 1866


CREAM
WANTED
We think we have the longest
We try to give the best service.
We need your cream and will
make it "worth your while" to
ship, to us. A card brings
Toronto Creamery Co., Ltd.
TORONTO

## CREAM

Where are you shipping now? And what are you getting for your cream?
We ers and more men to gather cream for us
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Silverwoods Limited london, ontario

## CREAM



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Pays expreses furuititheses cans and Pay Highest Price.
Pay
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## Brant Creamery

Brantford, Ontario
Guarantees to you a high-priced marke for cream every day of the ye

Reference: Bank of Nova Scotia


Questions and Answers. M iscellaneous.

Soft Coal For Pigs.
Whill soft coal do any harm to hogs that are fattening? They would ea
all they could get of tit all they could get of it. It keeps
them from eating the lumber in the pen. will do -We do not see that soft coal however foarm to the hogs. Many, however, feed charcoal to pigs for the
same purpose as indicated in your query.
Cow Has Lump on Throat. with have a young cow, five years old, her jav bone, it is a hard lump, about the size of an apple, andcan be moved
 frst in the fall About a month agg

 ninc ithis may be thecribiser.



## MANGEL "OUR IDEAL"

 For Feeding. For Cropping.
But be sure it is "OUR IDEAL


 SPECIAL OFFER
ne pound each of above 3 Mangels for one dollar P. Free.
Half pound each of above 3 Mangels for 60 c . Post Free. A trial is all we ask.
Finest HOME GROWN and Imported Seeds. None Better. Few as good. CATALOGUE POST FREE ON APPLICATION. Special Collections (extra value) Vegetable and Flower Seeds. 12 packets 25 c .
18 packets $50 \mathrm{c} . \quad 32$ packets $\$ 1.00$ all Post Free. ONTARIO SEED CO. Successors, waterlop, antario

Your House-A Home or "Work House ?"

Beaver Brand Hardwood Floors?

THE SEAMAN KENT CO., LIMITED
Eastern Factory; Meaford.On, western Feray Fort Win ED
, Hour House - A nome or worke?
swelling gradually zo. went down. This
happened about happened albout fa month ago. The
can walk on it now and puts his foot
well forwa well forward, but seems stiff and also has diffculty in rising. The hip joint appears to move up and down a little
more than natural. He cats well and seems hearty. Kindly give we your opinion of it. Will he get all right?
llow should I treat it? Ans.-Your colt may come all right the injury has paused luxation of the patella. If so, tie the colt so he cannot posed of 2 drams each of biniodide of mercury and cantharides, mixed
with 2 oz: of vaseline. Rub this mixe ture well in around the stifle joint mix-
daily for two days day let loose, wash off On the third oil. Oil daily until the scale comes off. If the animat still shows la neness, Feeding - Shorts Tand Oats Share Farming.
$\qquad$ 2. If I rent my farm after I put for the sed, thant, he would lo, it fair share
for the remainder of thie work

Ans. Of comese, a great deal would

$\square$
Growing Corn.
$\qquad$


## The Plants at Walkerville-your guarantee of QUALITY and Quick Service

Studebaker ideals of quality and the GREAT Studebaker plants at Walkerville-these are your guarantees of quality in Studebaker cars. And especially, the Walkerville plants. For they represent one of the most complete automobile manufactories that any country knows-a guarantee not only of quality, but of Quick Service.

Four-Cylinder Models Touring Car, 7-passenger - $\$ 1225$ Roadster, 3-passenger - - $\frac{1200}{}$

Six-Cylinder Models Touring Car, 7-passenger - $\$ 1450$
Roadster, 3-passenger -Landau-Roadster, 3 -passenger 1700

This new SERIES 17 Studobaker FOUR is the supreme effort of these great factories backed by a.l of Studebaker's resources. Dollar for dollar car on the market-FORTY horse power-room for SEVEN-112-inch wheelbase- $34 \times 4$ tires-upholstery of the finest leather-DIVIDED front seats-and scores of other Studobaker rcfinements that set this now
Studebaker in the very forefront of the market
No man cat in ar
No man can safoly invest a dollar in a car until he knows what Stude-
baker, one of the industry's leaders, ofers And we see this SERIES 17 FOUR-the biggest value that is "Made in Canada"


21 Barley and 72 Oats
 veamexay
 Putce burtey por ores
John Elder \& Sons, Hensall, Ont
London Engine Supplies Co.,


Founded 1866 Answers.

desdales. some Clydesdal es of pure-bred through you columns. M . w.s res having fou in the Clydes ${ }_{N S}$ mada. Bet

Breed.
s had pigs three ved three weelos nest and nest and los served again 0 three weeke served again een the troube
ill breed again ill breed aga
SuBSCRIBER stion we would t would be un-
ow in question ray breed again, such symptoms
profitable as vise that you
well for the well for the
$e$ early part of ed her once or

Skunk
valuable paper, e smell from a into our sheo ds killed there lor tainting the of butter conthe cellar-way, ed the wall $\% 0$
tainted to use. tainted to use,
nder the butter like to lose
J. H. P. the butter can wagon grease
it altozether. is a persistent buildings. to paint the the skunk waid is considered ocure the boot aders have had lered the odors publish their

## ription for the

 would give week withewes, five me ver fair conas to save If so, sows in fine gradually
remained inally passing nited to give
olumns. Have that of the ram

March 9, 1916
THE FARMER'S ADVOCATE


## Which

Telephone?
throughout Canada who have decided to establied telephone connection with their neighbora and
with the outside world - to get in close touch with a age cor doctor and the

## StrombergCarlson

## Telephones

instrument that does not reproduce the meosage clearly would cause endless trouble. Stromberge. Carlson Telephones, throughout North America,
in City, Factory and Farm, are daily serving in City,
millions.
ver neighbors, we will have our general sales-agent call on you.

## The Cross Fertilizer Co. имाтzo <br> Sydney, Nova Scotia

## Two Bushels to One Next Season-Sure



Eivery farmer can get two bushels this year where he got one last year. Poor crops show impoverished soil and there is only one remedy-FERTILIZER. "Best-by-Test" Fertilizers are quick restoratives to run-down soil, and guarantee of double-yield crops. Best-by-Test Fertilizers
"Best byTest" Fertilizers
make plants grow to full capacity of production. Let us
send you our booklet explaining our Fertilizers, comprising Blood, Meat and send you our booklet explaining oiur Fertilizers, comprising
Bone,
SEED CORN Phosphates, Nitrates, Potash brand for every soil and every crop. Write for prices direct or through your dealer

CANADIAN FERTILI


12 MARKET CHAMIBERS

## EASY Ohurning

Adjutable handle
moverable to cen
That's the kind of churning a MAXWELL' That's the kind of churning a MAXWELL'S FAVORITE" does. The mechanism is so per-


FAVORITE" CHURN Bowithever is used in thousands of dairies - in CanadaAgricultural Colleges a minimum of effort. Used in Agricultural Colleges. Praised by Government Inspector as the finest butter maker in the world.
unique featuares of the MASTMWTVL
"FAVORITE" (with Bow Lever)
MAXWELL'S LIMITED St. Mary's, Ontarlo


Strong light need framo. All roller bearing. (Dot bali)
Dark oalk finihh with pold
brouze hoope


Gossip.
In requesting a change of ad. Mitchell Bros., Burlington, report the following sales: To W. H. English, Harding, Man., our senior yearling show bull, Escana
Perfection; to J. L. Walteri, Clive Perlection; to J. L. Walters, Clive,
Alberta, Escana Bandsman; to J. Bousfield, McGregor, Man., Escana Orangehead, Mctregor, Man., Fssana Orange-
mant to W. (i. (ierric, Belwood, Ont., Escana Favorite. The four lyulls just mentioned are all hy Right Sort, Imp. and out of some of our most valuable broeding cows, ther are the chuicest
lot of younk hulls yot prombecel at Fsama, and they go at gooll mich





1915 Graham Bros'. Champion Stud 1916 At the great Guelph and Ottawa Winter Shows we showed in the Clydes-
dale classes, the grand champion, senior champion, junior champion, reserve grand champion, reserve senior champion, reserve junior champion stallions. the best stallion and two mares. We had 14 . The best five stallions, and We ffer a luent Canadian-bred, of the above breeds, the very best to be found in Canada,
and at very rea ionalle

## GRAHAM BROS. <br> Claremont, Ont.

## $8 \underset{\text { Stanported }}{\ln } 8$ PERCHERONS 3 <br> mported 3 <br> HODGKINSON \& TISDALF Beaverton, Ont

 Clydesdale Stallions and Mares We are now offering for saleburn, Ont, three thick yearling heifers burn, Ont., three thick yearling heifers
of the Orange Blossom, Ury and Jealousy tribes; to H. Newell, Millgrove, Ont., Langstaff, Allenford Ont, one Orange Blossom yearling bull; to Thos. Stanton, winners, Ill., four show heifers, all cluding Escana Duchess, also the cow Imported Bessie 37th; to W. S. Fears, Broken Arrow, Okla, U.S., a choice pair of two-year-old heifers, the Missie
heifer, Bandsman's Missie, dam of Escana Bandsman's and the imported cow Newton Jealousy 5 he with bull
calf at foot by Right Sort. This cow
is a grand individual is a grand individual, and one of the
best breeders in the herd. This
week there arrived week there arrived at out farms 25
head, the full herd of Iorne Forrest, Simcoe, Ont, he having sold his farm.
Included in the lot is the imported three-year-old bull, Lochicl, a show bull and a proven valuable sire. Also Bands-
man's Jealousy, a daughter of the above Imported Newton Jealousy 5th and others of such noted families as the
Ury, Duchess Civenne Ury, Duchess, Gwynne and Duchess
of Glosters. Seven have calves at foot; of Glosters. Seven have calves at foot;
any of these are for sale, which make up a large number to select from. At our farm we still have a dozen good
bulls, several of which are by Right
Sort.

Wake Your Lame Horso Sound, Like This

You Can Do It While He Works. Wo want to show yob that torero stot


diso want to send you an expert's diagnos











 Lyman Bros. Co., Ltd., Toronto, Ont.
Distributors to Drug Trade.

## Notice to Stallion

 OwnersThe inspection of stallions under Act, will commence March 23rd, 1916. All applications for enrol-
ment and inspection, accompanied by the proper fee, must be in the ings, Toronto, by March 13th. In March 13 applications received after March 13th, inspection will only be ers. Address all communicationnR. W. WADE

Secretary, Ontario Stallion EnrolBuildings, Toronto

You Can't Cut Out ABSCREINE and youn them of permanently, Does not blister or remove the Wir. $\$ 2.00$ per bottle, delivered. Book 4 K you more if you write. Book 4 K free. ABSORBINE, JR. reduces Varicose Veins, Ruptured
rediniment for mankind,
Muscle
 ... Glydesdale Stallion For Sale bred from ine Coytesdale stallion three years old in May. Has. serce d tew mares and is sure.
Price reacomable CHAS. CURRIE,
Percheron ${ }^{\text {St }}$ fbone and good feet. will extra fine quality, lots Chatham SAM. $\underset{\text { Ontario }}{\text { M. SMYTH }}$
Belgian Horses - Stallions, mares an nadian horses, mares and filies any age
DR. J. C. REID \& BROS.
Mention this Paper
$\underset{\substack{\text { who } \\ \text { from }}}{ }$

THE FARMER'S ADVOCATE.
Questions and Answers. Miscellaneous.
Corn For Grain-Oil Cake For Horses Time to Sow Mangels. what ratio should they dairy cows, in carbohydrates, fats, etc. .
2. When should protein, How much seed is required per acre?
How far apart should the 3. Iar apart should the rows be? horses?
4. If so, how much should be given?
5 5. Whce can I secure the best
methods for raising corn for grain?
 valuable than carbohydrates, and woure
have to be reduced to these terms. plus fatio is of protein to carbohydrates
pix, or six
2. As soon as the ground can be preparec after the cereal crops are sown.
About six pounds of seed per with rows from twenty-eight to thirty 3. Fed along with other feeds, it is. 5. An article on por dav.
purposes, in feb 24 corn for silage
issue, may give purposes, in Feb 24 issue, may give
the information desired. Filtering Rain Water. necessary for certain conditions it Would it have to be filtered? If so
would water would suggest a system. The a tank in an up-
stair room from the eaves, and it
could he courd pe piped to the sink directly
below. As is is somewhat of an ex-
periment. I would like in and inexpensive as possible. A stor age tank, holding 100 passible. A stor-
probably be enough. *Ans.-Rain water Young Farmer,
for domestic use, but it it ite suithate
duts some
dust dust and other impurities deposited
on the roof by wind and birds are washed off wind and birds. These
rain. After that the first dash of quite clan. A filter mighter be usually
to claing the storage tank. Construct a suit-
able box, and in it of clean sand. The water from the through the sand and then run into filter reservoir. Construct a box that ca
be cleaned out occasionally
send sand put in. Furthermore, have fresh attacthat will distribute pipe from the water over the surface of the sand so it will not be obliged to all filter through at one place. Keep the storage tank
dark to prevent the grouth of or other water plants. The water
will be suitable for use but it will taste flat on account of being soft. THE OXFORD DİTRICT HoLSTBIN SALE.
Two interesting features of the Fifth Two interesting features of the Fifth
Annual, Oxford District Holstein be held at Rudd's Stable, Woodstock, on March 15, are Prince Abbekerk
Mercena, and a $26-\mathrm{lb}$. cow of Annandale Colanthus. Prince Abbe kerk Mercena has been a great show and. He was three times champion and grand champion at the Canadian ational Exhibition, Toronto. He has
also proven himself a great sire. He
has has 20 A. R. O. daughters up to 27.96
lbs., and five above 20. This is
$\qquad$ or Canada.

To WALLEN DRUG CO., Winniper M.
Please mail your booklet on FOALINE foal mares and fillies. Terms to suit.


NO HESITATION IN RECOMMENDING FOALINE. "As"I only had one year's experience with Foaline July 15, 1915. me in March, have deferred replying until now. Now then you wrote experience 1 have no hesitation in recommending it to anyone two years' A tonic for the dam and ${ }^{\text {dind }}$ (Signed) Wm. Lyall. A tonic for the dam and for the unborn foal.
Dear Sirs:-Two years ago I lost a colt from Joint-Ill: 23, 1916. used Foaline with the same mare, and the result was that she rast year I uts the mare in good condition for foaling use, even for all mares, as it Foaline is insurance against diseases whichly, A. W. Pugr.
n. Feb 19 1916

Dear Sirs:-I bought twelve bottles of Foaline last Spring. 19, 1916 the four bottles to four mares. The four I fed it to in foal, and I fed and the one I did not feed to died. So I cannot coy, their colts all lived, he other eight bottles I sold proved the same. The much for Foaline. ours truly, Reight colts lived. your money back if it fails.

High Bluff, Man., Feb. 18, 1916. Dear Sirs:- I have a mare that foaled her first colt in 1913. The also had Navel Disease lisease. time and ther with Foaline. The Navel of the colt dried up in a short his year, as the treatment seems to prevent the treating her again

FOALINE is easily adminis Yours truly, Cecil H. Greenlay. feed once daily One bottle for one mare. They like it 2 teals in the Dear Sirs:-I have used Foaline for a number of yeb. 20. 1916, success. I probably was one of your first customers. At least I did not
lose any time in finding out about it when I does no harm to the Dam or her offspring. I saw the first ad. I find it functions it performs on the ay. I was not like some of our forefathers who would not try, thing I will busy and it did the trick.

FROM ENGLAND. "I have pleasure in stating that Foaline, with which, Oct. 6, 1914. entirely satisfactory. mend Foaline."

CUT OUT THE COUPON BELOW AND MAIL IT TO DAY Bell \& Sons, Angusville, Man.; Hon. W. H. Sharpe, Toronto, Ont.; John Didsbury, Alta. Sask.; A. W. Hunter, Armstrong, B. C.; George Metz

Manufactured only by the FOALINE LABORATORY COMWALLEN DRUG CO., 407 Portage Ave., Winnipeg, Man., Canade

## mportation CLYDESDALES 1915

particularly strong for thi 1915 importation of Clydesdale stallions we are particularly strong for this seasons trade. Prize-winnere at all the leadin breeding and quality unsurpassed. We a ton and over in weight, with Stallons from the wants of the trade

Imported Registered Stallions and Mares ed good foal getters. Mares from 2 to 5 years old. Percheron, Clydeasdate atud and guaran hese are over 3 years old, all safe in foal. If you want a Cham, Cly desdale and standard-bred.
nd we will sell for less money than any other man in the business, Sndllion or Mare, come alond wo trains daily eacl

GRENVILLE, QUE Quality
the best
IMP. CLYDESDALES IMP. Uneeding $\begin{gathered}\text { Strengthened by my }\end{gathered}$ tion I can now supply Clyde. stallions with the big size required, the the flabhievember importe
sind the most popular breeding. Also Clyde. mares and one right choice French
sind
For Sale - An Imported Clydesdale Stallion min.
 (2) Hotel. Elmmale, on Up to a Ton
In Weight

CLYDESDALES Imp.
Characten
Siqualty
high-priced mitchell.


The Worlds Greatest and Surest
Veterinary Remedy HAS IMITATORS BUT NO COMPETITORSI
SAFE, SPEEDY AND POSITIVE. Supersedes All Castery or Fir:
ang. Invaluable
FOUNDFR
FOUNDER
WIND PUFFS
THRUSH,
DIPHTHERIA
SiIIN DISEAAB,
RINGBENE,
SIWF EYE,
SWEENYY
BONY TUMORS
LAMENESS FROM
QUARTER CRACKS,
SCRATCHES,
PARASITES
REMOVES
BUNCHES or
BLEMISHES,
CAPPED ${ }^{\text {HOCR }}$
SIFE FOD AYYNE TO USE
nothing bet gomd tegetit


##    <br> The Accepted Standard VETERINANY REMEDY <br> Always Rellable

Sume in Results.
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Sole Agents for the United States and Gamada
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## SALE -20 IMPORTED AND CANADIAN-BRED

## Clydesdale Brood Mares

Fillies and Yearlings
Many prizewinners at Canadian shows. Entire lot will be
THORNCLIFFE STOCK FARM
244 Don Mills Road


## Percheron Stallions and Mares

 1 am going we to close them out. 1,910 to 2,100 lbs. Blacks and grays J. B. HOOATE

Weston, Ontari

## AbERDEEN-ANGUS HEIFERS IN CALF



ORCHARD GROVE HEREFORDS

## Questions and Answers. <br> Miscellaneoue.

Buying Old Apiary Supplies A certain party had a number o
bees and lost them all. I believe the bees and lost them all. I believe the
bees died from neglect and starvation but I do not know it to be correct
Whould it be advisable for a party
to buy his supplies or is there dange of there being foul brood or some othe
diseas? Ans.-The hives could be disinfecte
 be just as well to the bees the thigh sup plies alone, yet if the price would warran
they cold be disinfected and made safe the matter would depend largely o
tailure and the cause of the former

The Sex of Guinea Fowl.



Such unusual and continual result as the foh
Iowing prove that this remedy is soo reliable and
s.und




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 We Oryed. Write today lif only a postal.
 TROY CHEMICAL CO. 145 Van $1101 u$ SIreet Pruggists Everywhere sell Save-The-Hores
with CONTRACT, or we send by Parcel Poal

| Bltiti IICK <br> MEDICATED Salt Brick <br> Great Conditioner \& Worm Destroyer- <br>  <br>  <br>  the place of worm and condltion powders, it has no keeps horses healthy for only one cent a week. STEELE BRIGGS SEED CO., Winnipeg, Man. and Toronto, Ont. |
| :---: |
|  |  |

Angus, Southdowns, Collies
Southdown Prize Rams
ROBT. McEWEN, R.R.4, London, Ont
Elm Park Aberdeen-Angus

Beauty 4 th, $=1852=$, and sur champion by Erwin
$=5735=$, grand champion bull at Chicio 1913
He is assisted by young Leroy sired by grand
champion bull Chicago 1912. We have stock by ames bowman, Elm Park, Guelph, Ont.
Springfield Aberdeen - Angus


Tweed hill - Aboung bulen-Angus. Choice
liso females. If young bulls of serviceable agei ant anything in this lin
Write:

ANGUS BULLS $\begin{gathered}4 \text { angus bulls } \\ 4\end{gathered}$

Aberdeen-Angus $\begin{gathered}\text { The cattle now lig } \\ \text { demand } \\ S_{o} o m e\end{gathered}$
thoice heifers and a few young bulls from the imb








Escana Farm Shorthorns
 MITCHELL BROS

Burlington P.O., Ontario
 SHORTHORNS Quality Scotch Shorthorns-Hahbechae breadne Munil ontirio

OAK LODGE STOCK FARM
J. E. BRETHOUR \& NEPHEWS BURFORD, ONT

Spring Valley Shorthorns sextyayd bism
 JOHN MILLER, Ashburn, Ont. Myrtle Sta
Shorthorns PRESENT OFFERING $\begin{aligned} & \text { Master Butterfy, red roan, calved, June } 1018 \\ & \text { Bulls }\end{aligned}$

Spruce Glen Shorthorns $\begin{gathered}\text { When in want of, C. N. R } \\ \text { visit our herng } \\ \text { head to seld }\end{gathered}$

Woodholme Shorthorns For Sale Mopherson a Sons, DUNDALig, ont.
 Rosedale Stock Farm We are offering for M. FORSYTH, Claremont, Ontario


$\qquad$
Shorthorns and Shropshires ${ }_{\text {With }}^{-T} L_{\text {MERCER, Markdale, Ontario- }}$
Shorthorns and Clydessales $\qquad$
Maplehurst Herd of Tamworth Swine, S. C. W. Leghorns and White
Please Mention "Farmer's Advocate"


Fresh Vegetables From Your Own Garden make the meals so much more tempting－as well as much more
healthful and less expensive． healthful and less expensive．
But of course for a really But of course for a reat
successful garden you need the successest seeds．Sc it＇s
very be to
while to see that you get

## Ewing＇s

Reliable Seeds
They have produced 44 success－ ive crops in Canadian gardens
and fields－they have rarely dis． appointed－and have so often
pleased beyond all expectations． pleased beyond all expectations．
Write at once for our Illustrated Write at once for our Illustrated
Catalogue，and if your Dealer




## The <br> William Ewing Co．Limited

 seed merchants McGill Street Montreal
## Great Shorthorn Bull



 George Ferguson，Salem，Ont． 1854－Maple Lodge Stock Farm－1916
SHORTHORNS Horthorns and LeIcesters miss ©：sмıти，


 Stewart M．Graham




 the following to say regarding the stock
and the sales made：
＂Our stock has come through winter in a remarkably satisfactory con－
dition，healthy and vigorous，showing dition，halthy and vigorous，showing
the careful attention they have had the careful attention they have had
We have succeeded in selling all we were
anyi anxious to sell，at good prices，and ha
remaining an increasing number
prain promising females that we will hav
more to say about later on．We wi
We to thank the kind friends，old and new，
who have been interested in what who have been do．Their letters of of
are trying to do．
enquiry were encouraging and reply－ enquiry were encouraging and reply－ of appreciation from customers have much helped．
much helpe
Caverhill，Ilderton，the sold to tolf＂Joffre＂， from one of our record helfers．This heifer gave us 6,300 bs of milk tes
ing
4．1 butter－fat in ten months O．P．test．To．Tos．A．Tisdelle，Tribury
＂Gertrude＇s Son，＂whose dam，＂Ger trude，has an official record of 9,383
Ibs．milk and 379 lbs ber Ibs．milk and 379 lbs．butter－fat in ten
months．This cow，at the close of he months．This cow，at the close of hee
milking period，was in such fine flesh
that she would have done in any show－ring．ho To Tolchard Bres．
ing
Chesley we have sold very hand Chesley，we have sold the very hand－
some red calf＂Will Lavender，＂whose dam is also a very heavy milker，though
we have not record for her．Anyone still having
doubts of combining heef doubts of combining beef and milk in
the shorthorn should visit us when all doubts would vanish．

Questions and Answers． Miscellaneous．
White Grubs．

interfere with nete spring＇s crops？

full grown last fall，there is a pospi－
bility that they will pupate e during the
nimut and
in the spring，but if they were only
terfere With crops this spring．
destroy almont all spring crops wit
the exception of buck wheat．It is
⿲d丨丶inathe to at least，avoid corn，and
potatoes on grub infested land．

## Great Shorthorn Sale



Wednesday，March 29th， 1916
Thirty－five young bulls include the best individuals that have been at public sale in Ontario in years，some from Record of Performance cows．

Thirty high－class heifers that will please the most ex－ acting，the older ones well along in calf．Mainly of first－class Scotch breeding and bred along dual－purpose lines．Many from heavy－milking dams．

The consignment consists of selections from the herds of J．T．Gibson，J．Watt \＆Son，Harry Smith；The Nicholsons，
Herb．Lee，Wm．Waldie and others． Herb．Lee，Wm．Waldie and others．

Freights to any point in Ontario to Ontario purchasers will be refuinided by the Ontario Government．We are mak－ ing a special low rate to the Western Provinces．

Write for catalogues，and plan to attend the sale
T．E．ROBSON，Auctioneer．
HARRY SMITH
Hay，Ontario
Manager of the Sale

## Dairy Shorthorn Bulls

From 12 to 14 months old，from good dams and by our stock bull，College Duke $=85912=$ ．Address－

## Weldwood Farm

Farmer＇s Advocate London，Ontario
Twenty Imported Bulls
 ald of which are forward in calf．An invitation is extended to anyone interested in
this class of otock to visit us at any time．Correspondence will recelve our most
careful attention． $\underset{\text { Burlington Jct．，G．T．R．}}{\text { Burlington }}$ ．

J．A．\＆H．M．PETTIT，

## The Salem Shorthorns

he is the greatest Shorthorn show and breeding bull in existence．
J．A．WATT，Elora，Ont．，G．T．R．\＆C．P．R．
MAPLE SHADE FARM SHORIHOKNS
The products of this herd have been in very strong demand．There＇s a reason
Can always supply a good young bull at a price which will make him well worth the money．Not many females for sale but
wit
W．A．DRYDEN，

4
GLENGOW SHORTHORNS AND COTSWOLDS


$\qquad$
Clarement．C．P．R．，$\quad$ Pickering．G．T．R．
For Sale－a few cholce young bulls，cows and heifers of SHIRES


Founded 1860

## Sale



## 916

THE FARMER'S ADVOCATE
$\xrightarrow[\text { Gossip. }]{\substack{\text { Champion CIVDESDALES AT } \\ \text { CAIRNBROGIE. }}}$ History Yepeats itself with the Cairn
brosie Stud of brogie Stud of Graham Bros, Clair
mont, Ontario.
Their recerd pionship winnings, during the last quarte century, is practically unapproachable
and they apain carly and hey again carried off the highes
honors at the 1915 fall shows as the Guelph and Ottawa Winter Fairs
There have been There have been some good horses in
these stables never contained at one time bo they high-class horses as are there at many Some of the more important individuals are as follows: Lord Glenifer, Imp, by the Glasgow foled in 1905. He is In the Glasgow first-prize Sir Ronald.
Ind Canada, he was first chanada, he was first at Toronto, and
champion at Chicago champion at Chicago. At the late
Winter Fair at Outawa champion and grand che he was again champion and grand champion. Baron
 Pride, and his dam was great Baron's
frist-prize Nellos. chappize at herlea. In 1914 he was
hiom aion at oronto, and grand champion at Guelph. Baron Minto, Imp-
$[13989]$, is [13989], is a bay foaled in 1900;
is by
Baron's is by Baron's Pride, and his dam was
Thelmo. In 1914 he was class at Toronto and Guelph in his Peer, Imp., $[179021$, is also a bay, Fyich
was faled was foaled in 1912. He is by the Royal champion, Diploma, and his dam by the well-known horse Baron Beaulieu
In 1915 and 1916 Toronto, Guelph and was second a King, Imp., [18186], was foaled in 1913 and is by the well-known sire, Cedric's
Baron, and his dam was by the noted prize horse, Lothian Again. In 1914
he was first at Toronto Guelph.: In 1915 he was second at at
ronto and first at Guelph; in January, Imp. [16939] was, foaled in 1911. He
also is by Bert, also is by Baron's Pride, and his dam
was by the noted champion, Hiawath His winnings have been first and second Chester Prince, Imp., [14060] foaled
Chicago in 1905. He is by the Aberdeen second prize Rathilet. His dam was the Cawdor
Cup champion, Chester Princess, by Baron's Pride. As a horse he is a credit
to his illustrious to his illustrious breeding. Rising Hope,
Imp., (17642), is anoter Imp., (17642), is another bay, foaled in Look Again. In 1913 he was dam by Toronto. Promoter, Imp was second at foaled in 1909, by the Glasgow second prize Crossrigg, dam by the noted Royal
Peer. The high-class quality of mentioned is duplicated in the several other stallions in the stud. In the Can-adian-bred section, is without doubt the finest collection of stallions in Canada
including the Guelph and Ottawa pion. In mares the standard is particularly high. Many of them are in
foal to Lord Gleniffer and

## Trade Topics.

Chance for those going west
Homeseekers' Excursions to Western Canada at low fares via Canadian Pacific each Tuesday, March 7th to
October 31st, inclusive. Particulars from October 31st, inclusive. Particulars from
any Canadian Pacific Agent or W B any Canadian Pacific Agent, or W. B.
Howard, District Passenger Agent, TorHoward
homeseekers' exctrsions to the
Homeseekers' Excursions to Western
Canada at low fares via Canadian
Pacific, each Tuestlay, March 7th to
October 31st inclucivo, Patinul
any Canartian P'arific. Agent, or 1 W . B
onto.
"You say you are too old for the
army and you can't do heavy work.
"Well, wot's the matter with smok-
ing cigars in the green-house to keep
out the insects?" -London Opinion.

Two Good Deering Drill Features


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EERING drills do away with delay at planting time. They have a workmanlike way of sticking steadily to business until the job is done - that does away with most of the terrors of our short - that Then, too, they are easy on horses. The high, wido wheels
help. The weight of the drill is light. The freely. The dust-proof disk bearings take off a lot runs turn Steady planting and light draft make a good drill combination You would be perfectly safy a Deering drill. record and reputation, but we would not advise buying that on its See the Deering first-look it over thoroughly - note all the weay. tures the Deering locat agent will show you-and then youll parison that, we believe, will bring look at other drills, a combuy. Don't forget-see the Deering local a to the Deering to ready to talk drill. In the meantime, if you say so, we will send
you a catalogue. Write us at the nearest brane

International Harvester Company of Canada, Itd. BRANCH HOUSES


Dispersion Sale of My Entire Herd

## 30 Head Holstein Cattle

Wednesday, March 22nd, 1916 At ELMWOOD FARM, four milee wet of
CARLETON PLACE on Perth Cravel Road




Auctioneer-Chas. hollinger, Persumon Palle, Ont.
H. C. BowiAND. Clerk, Almonto, ont.

Byron Bowland, Prop., Carleton Place, ${ }^{\text {R }} \mathrm{N}_{\mathrm{i}} \mathrm{i}$ Ont.

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 S. LEMON \& SONS,

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Evergreen Stock Farm-REGISTERED HOLSTEINS and leafty and ready to breed. Write for
prices and descrintions. Bell pphone. A. E. Hulet, Norwich, Ont.
Quality and Production are combinedin the dams of the young bulls for M. L. haley Springford, Ont.
M. H. HALEY

Percherons and Holsteins wo have Percheron stalliong from yeatingo ur
Dumfries Farme, Ont., P.O. and Station.



Spruce Grove Holsteins

HOLSTEDNS


THE FARMER'S ADVOCATE.
Questions and Answers. Miscellaneous. Dorset Sheep.


$$
\begin{aligned}
& \text { Dorset Sheep. } \\
& \text { isalle to breced }
\end{aligned}
$$

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Di market when prices are unal
he hishest Ewes may be bred altion
ny time of the yats
Silos.

1. How
ravel wound be berrels of cemuent ant
wed to build silo 1 's feet by 30 feet, and 10 inche
thick? Will a cement silo keep silace
2. We
well as a wooden one?
3. Which would be the cheaper
wood or cement?

auled, would befactors to considet.
Alfalfa-Wire Worms-Mare Has Corns - Varieties of Potatoes.
$\qquad$

For Sale---Sons of King Segis Walker

HOSPITAL FOR INSINF, Hamilton, Ont. For Sale Holstein Bulls THE OXFORD BREEDERS CLUB on Wednesday, March 15, 1916 PURE-BRED
80
Holstein - Friesians

Second Annual Consignment Sale

## 50 Holstein - Friesian Cattle

Tuesday, March 14th, 1916
offering is gilt-edge-l,y the members of the East Elgin
Holstein Breeders-and we say NOW is the time for the young lireeder to make the start. Send
H. V. MANN, Secretary, AYLMER, ONT. Box 220
R.R. No. 4

## RIVERSIDE HOLSTEINS

Kerd headed by King Johanna Pontiac Korndyken a grandson of Pontia J. W. Richardson, R. R. No. 2, Caledonia, Ontario

Holstein Cattle
D. (. FLATT \& SON, R.R.2, Hamilton, On

$\qquad$ Clover Bar Holsteins My ifrent offering just now are some choice young bullo

Q QLEEN CIITY IHOLSTEINS




Why Not Cut Off the Two Cars of Filler? It takes 400,000 cars to carry Fertilizers to our farmers every season. Forty per cent. -2 cars out of 5 -is Filler.
Order higher grades and Ni trate of Soda for your active Nitrogen and save freight. The greater produoing capacity of
high-grade fertilizers without much filler means bigger out-bound tonnage for railroads and bigger
purchases by farmers purchases by farmers
Send for "Cost of A vailablo
Nitrogen."
DR. WM. S. MYERS, Director - 25 Madison Ave., New York


YOUNG

## Yorkshire Sows

FOR SALE
Farrowed in October from sire and dams of extra good quality. These
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Farmer's Advocate, London, Ont
Prospect Hill Berkshires - special offering forthe
crade: A fine lot of young sows that farrowed in
Crade: A fine lot of young sows that farrowed in
June and July Being bred and ready to bred
alao some boars same age. Terms and prices right.
Pine Grove Berkshires iows

Tamworths


Questions and Answers. Miscellaneous.

Trading Another's Cart. A has a cart. B has a buggy. trades with A and gets the cart. After
wards B finds out that A did not ow wards $B$ finds out that $A$ did not ow
the cart-it belonged to C.

1. Can C come to cart if A has sold the buggy?
2. Can B collect anything from or the buggy?
Ans.-1. It is probable that he can 2. Yes, if compelled to give up

Owner of Life Estate.
A dies leaving a piece of property
oo his widow B during her life-time and at her death it is to pass to their any timber for market purposes? not, and will soon b
he proceeds be divided? The money neation with the estate, and is con needed for
Ontario.
Antario. has the right to fell, cut
Ans.-B B and market the dead up and market the dead trees, and rePaying the Thresher.
I had a thresher come to my place
last year to thresh for so much, and
after threshing a while he stopped and after threshing a while he stopped and
said he wanted more money or he would
not finish it: so he went not finish it; so he went away and left
the rest without being threshed. Will
the he has done, or would he be obliged to come and finish before he could colle
his money? Ans. - In legal strictness he is not en
titled to collect anything. were to sue, and the case were to come
on for trial in the Division Coul the judge might be disposed to allow power to do so. It would be suc
amount as he might consider just, hav ing regard to all the circumstances. Title By Will.
In 1875 my father made a will
leaving his farm unencumbered to m and died in ' 87 . The will was duly
registered and nothing more. One wit registered and nothing more. One wit
ness still lives, the other is dead. 1. Will this length of possession
confirm the title that nothing more needed in order to sell the property
2. If it is necessary to prove the will, can the living witness be per
mitted to attest to the signature of dead one?
3. Can a notary public or other son than a lawyer do the business necessary for this before the proper
court? 4. What will be the approximate
cost, farm being worth about $\$ 7,500$. Ontario.
Ans. 1.
2.
4. It depends upon various circum-
stances besides the value of the and without information regarding same an approximate estimate of give even

Landlord and Tenant. Landlord has farm with tenant on
it. His term expires the first day of
April. hefore that date, the landlord darm him to stay to work down straw? o charge for straw that is unused? can he hold possession pays the place 4. Can he prevent landlord fron tprit' Is the temant reaponsithe if 'any-
5.
hing happens to buildimgs, he living "

H. ARKELL Summer Hill Stock Farm

## OXFORDS

and or show record, it will give you an idea of the PETER ARKELL \& SONS, Proprietors, Teeswater, Ont

OXFORD D OWN SHEEP Summer Hill Farm
all recorded. Positively no grades registered as pure-breds. any quantity for salePETER ARKELL \& CO., Prop., Box 454, Teeswater, Ont Shropshires and Cotswolds For Sale- Yearling rams and yearling ewes, a feen Claremont, C.P.R., 3 miles $\quad$ Pickering, G.T.R., 7 miles MILLER, Claremont, Ont.
Greenburn, C.N.R. 4 mile
Cloverdale Large English Berkshires! mander
YORKSHIRES
$\qquad$
DUROC JERSEY SWINE, JERSEY CATTLE


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The Grand Trunk Railway System Homeseckers' Excursions Each Tuesday MARCH 7TH TO OCTOBER 3IST (INCLUSIVE)
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CANADIAN PACIFIC
For WINNIPEG and VANCOUVER
LEAVE TORONTO 6.40 P.M. DAILY
VIA THE TRANSCANADA
CONNECTING TRAIN LEAVES LONDON 1.20 P.M.
Through equipment, including Electric Lighted Compartment Observation Car,
Standard and Tourist Sleepers, Dining Car, First-class Coaches.
The frequent C. P. R. Service paeging through the Bupinese Contre of cacle
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FURS-HIDES.WOOL
5
 RAW FURS
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O. A.C. -72 Oats 1000 bus, good clean oatz, grown from rize - winning seed, on clean
land. Write for samples Write for sample
W. R. DOUGALI Heme

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NONE-SUCH SEED CORN Our Guarantee
If not satisfied in ten daya, return cort at our
expense and money will be refunded. Baga fur
ished. nished; delay, Write at once for our price-list

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LOUDEN MACHENERSY CO.
112 CRIMEA ST., GUELPH. ONT.
ng floors, roof construction, ventilation, etc. VANCOUVER, B.C. WINNIPEG, MAN. ST. JOHN, N.B.

# Three Times Faster Than the Old Way 

䨋
Farmers' prosperity started when they discovered the value of time. When you woke up to the fact that your own time and your help’s time was the most valuable thing on the farm, you demanded labor-saving devices for nearly every job on the place. You gave up skimming by hand and demanded the improvement that the cream separator has brought. You gave up "toting water by the pailful,". and installed a gasoline pump. You gave up nearly all the old ways that took so much time and devised new ways to accomplish thrice the results with less work.
But some of you still stick to the old expensi ve way of fence building.
Here is an improvement in farm fence building that ranks in importance with the cream separator, the gas engine, and other indispensable farm helps.
It does away with the back-breaking job of post hole digging. No longer need you dig a hole three times too big, plant a wooden post in it, fill up the hole, and then have the post rot to pieces in the course of a few years. With Standard Steel Fence Posts you can drive a line almost as easily as you drive a row of nails. With a boy to help you and a barrowful of these light, strong, fence posts you can cover three times as much ground as in the old way.
You save money three ways. First: Standard Posts cost less to buy. Second; You cut the labor cost of erecting them to one-third or less as compared with wooden posts. Third; You never have to replace them. They never rot, and they cannot burn. Frost cannot lift them, worms cannot destroy them. it With the Standard Post hook supplied free by us, you attach Standard Fencing in a quicker, neater and far more effective fashion than you could by stapling wire fencing to wooden posts.
Adopt this modern economy when building your next fence.

## STANDARD Steel Tube Fence Post and Wire Fencing <br> STANDARD WIRE FENCING is made for you in just the same way that

 you would make it for yourself if you owned a fence factory. The wire is full Government Standard No. a Gauge accurately and thoroughly galvanized. Our exclusive knot, "the tie that binds," is a still further improvement over our original knot from which has been copied the device used on nearly all ther farm fence. By this improvement we secure a al curve which does not break nor injure the We guarantee them rust proof.
some the compen for our Special Post
liat. Youn cmmot afforel to overlook
\& Fence Co., Limited Woodstock,


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    ESSEX COUNTY SEED FARMS, LIMITED
    
     seed that will grow and will grow a strong rugged plant. The location of our
    farms en unce even in unfavorable years like 1915 carly maturity. Our seed is mature when hartated. It is cured in drying houses buile exclusively for the
    purpme. It is twad hefore shipment. Our guarantee goes with it. Witie for
    circular. G. R. Cottrelle, President A. McKRNNLY, superintendent $\begin{array}{ll}\text { AMHERSTBURG, ontario }\end{array}$

