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# The Farmer's Advocate and ,exayer Home Magazine 

## EDITORIAL.

The time for fall sowing is at hand. Sow selected
seed. seed.
After you get the coal bin ready, sharpen up the axe and the saw.

- The average farmer has a much better knowledge of production than he has of marketing.

The 1918 crop depends upon the amount of plowing done this fall. An early start means a good finish.

The Canadian farmer is asked to produce a greater acreage of grain and larger number of live stock next year with a diminishing supply of labor.

About the only portions of Ontario which have not produced a big crop this year are the undrained spots. produced a big crop this year are the
Drainage is essential to crop production.

Some of Canada's politicians seem to be more concerned over the outcome of political squabbles at Ottawa than they are about the fight for liberty in Europe.

If the tractor is as valuable in increasing production as the Ontario Department of Agriculture reports indicate, let us have cheap tractors. Removing duty would help.

Which would you rather do, Young Man, stay on the farm and eventually become a prosperous and successful farmer, or move away to the city and labor year after year under a boss?

The car shortage is acute. All users of freight cars should load to full capacity promptly and unload without delay. Aiding the transportation companies this fall and winter will help avert a crisis.

The county or township fair which means no more to the people who attend than "a day off", has only half the reason for existence that the one which is an educative as well as social event has.
Unless more coal comes through to the smaller towns and villages and to rural districts many people will have to keep themselves warm for no small part of the coming winter at that healthful occupation-sawing and split-
ting wood.

It pays best to fit the young animal for the block converted into in early life that feeds are most easily converted into meat. This is one reason why the three and four-year-old steer has given place on the market to the youngster of fifteen months to two years.
The surest way of increasing food production is to make it pay to produce. Food Controllers should bear this is mind. Farmers have not sufficient capital to warrant investing on a large scale in any branch of their business without reasonable assurance that a fair return will be made from the venture.

The months immediately following harvest are the months of lowest prices. They form the grain speculator's opportunity. He buys heavily, fills his elevators, The farmer sells The farmer sells either because he needs money or because prices cause uncertainty as to the future. be held this a larger proportion of the grain should to market the farm and a gradual supply go forward to market, thus giving no chance of shortage and creating the farmer supply which would mean better prices to while the consumer would money for the speculator,

Meat Supplies and Price Fixing. According to advices received from Washington, since the war began the world's meat-producing animal sists of over $28,000,000$ cattle, $54,000,000$ sheep con $32,000,000$ hogs, and for the most port is to be and European countries, as cattle and hogs have oud increased in America. While Europea have actually reduced meat consumption those notries have war, the saving has been overcome by engaged in demands of the armies, with the result the increased decreases have occurred in the Britain, the home of lie countries. Eve has cut down supplies best live stock in the world been fixed for supplies and just recently prices hay that a great deal British cattle feeders fixed at 74s per cwt live weight we for September is the price fall cwt . live weight, whereas for December the price falls to 60 s . per cwt. Complaint is hear that this will not encourage the feeding of cattle to the finished stage, and that in a short time Britain wil find herself very much depleted in stall-fed beeves.
There seems to be good times ahead for the Canadian stockman. Even after the war it will take a number of years to make up the deficiency which is growing as the conflict proceeds, but in the meantime those who have if matter of food control in charge should be careful, if price setting on meat is to come, to be fair to all concerned. We require an increased production of food material and as it has been well said by a member of the House of Lords, the golden way of increasing the production of food is first to make it pay to do so, and second to get the loyal support and full confidence of the farmer." The present outlook is for good prices for well-finished stock, but it must be remembered that it costs money to properly finish any class of stock when feeding stuffs are as high as they are at present. And if the production of beef, pork and mutton is to go on on this continent as it should, any price interference which may come must take feeding stuffs and many other commodities into consideration and must place a price sufficiently high to pay the producer for the extra effort which he is called upon to make. Canada and the United States are increasing their live stock and it is to be hoped that no interference may come to slow up the march of progress. All meat regulations should be made with a view to the future as well as remembering the needs of the present. Live stock breeding must be encouraged as the basis of a sound agriculture in Canada.

## Farm Work For Munitions Men.

Orders to gradually decrease the manufacture of munitions in Canada have brought forth considerable speculation as to the cause. No doubt the real reason was well explained by the British Premier in the statement in which he intimated that the British Isles were new in whe hi. ores brish Isles were to meet the need and so it is wise to meet the need and so far as possible the need of transportation which is a big The slowing-down of the munitions work in this couna. The slowing-down of the muntions work in this country is to be gradual, which should not interfere greatly with business and trade conditions, and it is better han abruptly later on. Altogether there were some 0untry mend women working on munitions in this country and these will ultimately have to find new employment, or at least should look for it immediately. There is plenty of work now to be had and those not reeded in plants which will take up the work they were doing before the war could be used to good advantage on the farms, where they would be producing materials just as necessary to the winning of the war as are the explosives themselves. One thing is important, those who have had good wages working in the factories which
have enjoyed large munition orders will find themselves better off in the not very distant future if they immediately secure new jobs while there are plenty open. Almost all lines are short of good workmen at the present time. Canada has no place for idlers. Of the number who are from time to time thrown out of work through the cutting down of munitions manufacture we should like to see a goodly percentage of the best, a number of whom know how to do farm work, arrange for permanent positions on the farm, and continue to do a reat wort for the country as well as for themselves.

## It Will Pay tō Preserve Machinery.

At the present time with all classes of farm implements and machinery much increased in price it is even more important that greater care be taken to prolong their period of usefulness. It is estimated that the average farm implement and machine lasts just half as long as it would with the best of care. Fence corners, apple trees and open fields do not form the best protection for either the woodwork or the metal which comprise binders, mowers, cultivators, drills, plows, etc. Care will double the life of the average farm machine and with the amount of machinery and implements necessary to efficiently work the average 100 acre farm at the present time, an implement shed and a few pots of paint would surely be a good investment, and when the shed is built see that it covers the implements anid that they are not left out to rust and rot. In the matter of paint the average farmer is careless. Paint is almost as essential to the long life of the wooden parts of the machinery and implements as is oil to the bearings. During the winter months machines should be cleaned up and painted.

## The Transportation Problem.

A member of a prominent grain exporting house in Chicago recently made the statement that the United States, Canada, Argentina, Australia and India will have available for export during the next eight months $575,000,000$ bushels of wheat, $25,000,000$ bushels of rye, $450,000,000$ bushels of oats, $400,000,000$ bushels of corn, $50,000,000$ bushels of barley, or a grand total of $1,500,000,000$ bushels. In his opinion the grain requirements of the Allies will not be so large as in pre-war times on account of the extra economy practiced due to the high prices. The big problem now is to work the greatest saving possible in domestic distribution, and to arrange for proper ocean transportation. Production is about over for this year, but in order that the greatest good may be extended to the greatest number, ocean commerce must be properly distributed.

## Grading Essential in Live Stock.

A Bill was recently introduced into the House of Commons entitled, "An Act Respecting Live Stock" This Bi!l calls for the formation of a Live Stock Exchange at all stock yards and the by-laws of such Exchange to be approved by the Minister of Agriculture. It will be necessary for commission merchants to become members of the Exchange and these must furnish sufficient and satisfactory security. It is also included in the Bill that all stock yards shall be constructed and equipped in accordance with the regulations, and no stock yard shall be operated until it has been inspected and approved by the Minister or an Inspector, and all stock yards must at all times be open to inspection. The by-laws of every stock yard must be submitted with the regular schedule of fees to the Minister for his approval, and any not conforming with the regulations may be closed. Stock yards already in existence will come under the Act only aiter notification from the Minister. One of the most important features in connection with the whole live-stock business is the matter of grading. This is left to the Governor-in-Couneil

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nithen the most practical. reliole and proftabte informa-
tion for farmers, dairymen, gardeners, stockmen and home-


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who may make the regulations describing the manner in which live stock, meat, poultry, eggs and wool shall
be graded and branded or marked. It is to be hoped that the Act is enforced and that regulations regarding grading may be speedily made and the whole put into effective operation. Nothing will so work for a uniform output of live stock, meat, poultry, eggs and wool and a place on the markets of the world as will an efficient system of grading. The Minister of Agriculture is to commended upon this beginning toward syste-
matic control of the live-stock output of our farms. Let grading come immediately.

## Nature's Diary

A very common and very interesting plant is the
Evening Primrose. It has a wide range, being found Evening Primrose. It has a wide range, being found
from Labrador west to the Rocky Mountains and it
blooms from June until October.
This species has an erect, often wand-like, stem from
two to five feet in height, which is leafy to the top. The two to five feet in height, which is leafy to the top. The
flowers are yellow, about an inch and a half across and are borne in terminal leafy-bracted spikes. The corolla
has four spreading petals. These lemon-yellow petals has four spreading petals. These lemon-yellew corotalas
are broad, with the outer margin nothed. There are are broad, with the outer margin notched There are
eight stamens which are set one at the middle of each petal and one between each two petals. The pollen
is discharged in cobwebby strings. When the flower is discharged in cobwebby strings. When the flower
first opens the stigma is eygs-shaped and lies below the first opens the stioma is egg-shaped and lies below the
anthers, tater it opens into a cross and hangs off at one
side of the anthers. As we see the Evening Primrose during the daytime
early in the season it presents a somewhat faded appearance, as there are no wide-open fowers present
during the sunny hours. But if we watch it during the sunny hours. But it we watch it in the evening
we shall see the sudden and interesting manner in which
the buds the buds open. A flower which is about to open shows
a long yellow tube which pushes up betwen two of a long yellow tube which pushes up betwen two of
the sepell.
unfurl. They arealy about suranset the petals begin to unturl. They are wrapped around each other after
the manner of a furle
each mpetral becollan sthat one edge of
ent
 open. Three or four flowers may open on a plant
during an evening, and the time wlich they take to
unfold yaries from two minutes to half The fowers of the Evening Primrose are pollinated
by moths, as we might infer from the of their
opening at the hour when these nish fact of opening at the hour when thesen ninh f-lfying insert,
are on the wing. If a flower is fertilized it closes in the
remains open during the next day, and is visited by
butterflies and bees. Only insects with long tongues an reach the nectar at the end of the long tube in which is secreted. Occasionally a hummingbird takes a during the daytime. Later in the season the flowers of Evening Primrose reths play the part of pollen
Many species of moths Many species of moths primose, but there is one
carriers for the Evening Primros species which is very intimately associated with this plant. We often notice the petals with holes cut in
them and when we find the insect which is feeding on them and when we find the insect whe see it to be a little green catlar. When this caterpillar becomes mature it descends the plant, burrows into the ground, changes to a pupa, and thus
remains until the following summer. It then emerges as a very beautiful little moth about an inch across, are rose-pink, slightly mottled with lemon-yellow and they have a lemon-yellow outer border. The hind
wings are whitish and the head and antennæ, (feelers) are pink. This little moth is the special pollen carrier


Evening Primrose
of the Evening Primrose, and during the day it hides within the partially-closed flower. As the fading petals protect ively colored when on such flowers and the lemon yellow borders of the front wings render it equally har to see when on a newly-opened flower. Thus the moth
in its adult stage pays, by the transferring of pollen, for the damage it did to the petals when in the larval The seed-capsules of the Evening Primrose are long,
green and four-sided. In winter they stand like vase green and four-sided. In winter they stand like vases
with gracefully flaring tips along the wand-like stem. The seeds are shaken from these vases by the winds This plant is a biennial and during their first yea the plants form flat and symmetrical rosettes, which are
thus easily protected by the snow. During the next
spring the stem appears from the centre of this rosette.

## Where We Get Education


them that we do when we see the whole thing mot out before our eyes. And when we work in partnership ith Nature, as the farmer is compelicd to, we have these things impressed on us in a way that makes it
mpossible for us to forget them. To live and accomplit I.ife's purpose we must learn from Nature's book. She goes hand in hand with another of our teachers that we
 is that "Experience is a dear teacher, but she keeps only school that fools will learn in". And I guess no one will deny the fact that we are all fools to a greater or less
degree, at least until Experience has had us in hand for degree, at least until Experience has had us in hand for
few terms. She comes to us in our association our fellowmen and it is here that she gets in her finishinio touches. No man can be called educated who does not come into regular contact with others of his kind It o if this is true it is necessary for us to put ourselve. In the position where we will acquire the knowled det that comes from conversing with, and observing, the est of mankind. It is right here that the ordinary
country or city school gets in some of its best wort have often said that the lessons I learned outside the school I attended in my young days were worth mort me than those I got within its walls, for the reason
hat nowhere will you get your weaknesses or peculiaritil nore frankly ridiculed than among your schoolmates The qualities of courage and endurance are apt to be developed to a considerable extent as well, on the school play-ground, and it's at this time in one's life that any
impressions made are likely to remain and influence one' actions in the future years. Of course, teachers have their influence over the lives of the pupils as well, and
according to their character will this influence be good according to their character will this influence be good he effects of a year under a nervous, ill-tempered teacher
who made up in punishment and abuse for his lack of who made up in punis
Another means of education that I have not mentioned is to be found in the Church. In the past, man's moral
and religious training has been brought about through the pulpit to a greater extent, probably than by any
other means. Its influence has been felt in the world or thousands of years, though perhaps not always along re lines of progressive education. Its place in the
orld to-day is of importance in so far as it continues o be an educational force in the community in which it is located. But if its development does not keep step
with the times its influence is soon weakened. A church hat does not move forward with the years cannot fulfil her mission as an educator, and may as well close her
loors. The forms of religion do not interest the world as they did at one time. It must be practical in everyday life. And the preacher should be to the older he children in the school the is, a source of knowledme well as discipline.
Two other means of education should not be over-
looked. They are books and newspapers. One would hink that once the ability to read had been acquired the pleasure to be had from books would be inducemen enough to make anyone keep up the habit. Bpecilly among us who spend our lives on the farm, do not take advantage of the opportunities along this line. If they knew the pleasure and profit that they might have
through continuing their education by means of the best books that are to be had so easily at the present time, they would hardly neglect the matter as so many of them do;, It's one way of becoming "the heirs of all the ages", when our dowry comes to us in the form
of books.
Newspapers are not neglected to the same exten getting an education that is affecting their charater and infuencing their actions. As an educator the newspaper has a pretty prominent place, and on the whole its teaching is what might be called "souw
doctrine". This has been more noticeable since the war started. One other process through which we In looking at this subject from the standpoint of a farmer it is not surprising that I cannot speak from an unlimited experience as to the value of "seeing the least not very much. Their horizon comes down pretty close to them on all sides. If we would "get up and get webs out of our brains than any doctor's prescription or patent medicine. If we're only going through this or patent medicine. If we're only going the passing:
world once we ought to take a look at it in thit It costs good money to travel, we have to admit that, buit so does any other part of our education that is wor we
having, and what's more, there's a chance that when we having, and what's more, there's a chance that whe what we've learned along with us, but it's a sure thing that
we'll have to leave our money. And no doutt well we'll have to leave our money. And no doubt wome
find then that we have to start in on a course in some, of the higher branches of knowledge, on another planet, maybe, where our money wouldn't be of much account

Food Controller Hanna says that Hannah of the household must "can" canned goods until after October 15. It is too bad to force Hannah to do extra cook will say, "we are supposed to save coal." However, a good is order may increase the number of the former and cut down the demand for the latter

* THE FARMER'S ADVOCATE.

THE HORSE.
Diseases of the Respiratory Organs. Influenza. - Influenza is an infectious, epizootic febrile disease,
usually attended by reat prostration of strength, with usualy atamation of the nasal, laryngeal, and sometimes
earry infammen
aronchial mucous membranes, and usually complicated earonchial mucous membranes, and usually Complicated
with irritability of the digestive tract. Occasionally with irritability of the digestive tract. Ocasional liver, the articulations, muscles and tendons. In fact,
it is liable to very many complications. it it Causes. - It it dontless dueato a specifc. virus, but
it is often impossible to determine how an animal has it is iten iten it posssich the contagion. In many cases it ap-
been exposed to been exposed ere spontaneously. It does not depend
parently appears span
upoon any known condition of the atmosphere, soil, aposons or temperature. It may appear at any season,
sean
but is more common in the fall, winter and spring but is mon changes of weather appear to assist the develo ment of the virus, and exposure to dampness and cold
predisposes the animal to the disease, but these cause predisposes the animal to the disease, but these causes
alone will not produce it. In order that an animal may contract the disease it is necessary that he be exposed to the specific virus that produces it. It is generally
conceded that the virus is volatile, that it exists in the oir and probably multiplies there. This accounts for its appearance in a stable, in which neither the horses
nor their attendants have been exposed to the con $t$ agion.
Symptoms.-An uncomplicated case is simply a
catarthal condition. It is usually ushered in by rioge catarrhal condition. It is usually ushered in by rigors,
(a shivering fit) which often passes unobserved. There is a dry, staring coat; the legs and ears are usually cold; a redress and dryness of the mucous membrane of the
notriris a a well-marked elevation of the terperature nostris; , well-marked elevation of the temperature to
103 or 104 , and sometimes as high as 10 degrees Fahrenheit. There is sneezing, a cough, at first dry a and hack-
ing but usually soon becoming moist; a nasal discharge ing but usually soon becoming moist; a nasal discharge at first watery but soon becoming purulent. The eyes face There is decreased appetite and mowe or or less
inability to swallow. Pressure upon the throat usually inabiity to swallowh. Pressure upon the throat usually
causes acute coughing. The cough becomes deep, sonorous, painful and with spasms convulsing the whole body The mouth is hot and clammy, and the thirst usually well marked. The soreness of the throat is indicated by a gulping noise when drinking, and ontiten a return
of some of the water through the nostriss also by a of some of the water through the nostriss also by a
quiding of the food In the early stages the faeces are usually dry and hard and sometimes covered with
mucous, the urine high colored and scanty. Owing to mucous, the urine high colored and scanty. Owing to
the weakness of the circulation, dropsical swellings often appear on the abdomen, breast and le less, the articu-
lations beome involved and the animal is disinclined orten appear one involved and the animal is disinclined
lations secom
to move by reason of the pain that movements of the to move by reason of the pain that movements of the
joints cause. Treatment.-This disease cannot be cured quickly.
It is somewhat inclined to run a definite course. The treatment should consequently be directed to relieve
any distressing symptoms to to any distressing symptoms, to allay irritability, and
support strength. roppor, well- -entiliated box stall, excluded prom tratts.
Pure air in is essential even at the expene of heat. The body should be clothed according to the temperature. the should be fed on soft, easily digested food, as rolled oats, bran, linseed meal, , rass, if in season, raw roots
and hay, and supplied with an abundance of good cold water. It is good practice to keep water where he can reach it at will, as even though he may not be thirsty
he appears to get some relief by taking some cold water into his mouth. Inhalations of medicicted steam given
by holding his head over a pot of boiling water to which by holding his head over a pot of boling water to which
a little carbolic acid or tincture of benzoin has been added, continued for one-half hour or longer two or
three tion des dis three times daill, alfords relief, encourages natal dis-
charce and relieves the cough. Hot poultices, or charge and relieves the cough. Hot poultices, or
poultices of antiphlogistine to the throat and keeping le throat wrapped with flannel bandages, or the apmonia, oil of turpentine and raw linseed oil, and wrapping with fane bandages gives good results. The
throat should be kent warm If the legs be swollen and sore, they should be well hand-rubbed two or and times daily ynd kept well wrapped with wooleno or thages.
Constitutional treatment should be directed towards allaying the fever. and sustaining, strength. Two to thrre drams of nitrate of oftainitassium and tren. Two ve to
fifteen grains of quinine three times daily; the should be given by placing it well back on the tongue out of a spon, on account of the soreness of the throat it is danger-
and ous to attempt to drench. If prostration be great,
stimulants as two to three ounces of sweet spirits of stimulants as two to three ounces of sweet spirits of
nitre or three to four ounces of whiskey diluted with an equal quantity of water should be given with a dose syringe every four or five hours. III constipation occurs relief should be given by ad-
ministring a few ounces of raw lissed oil and injec-
tions of warm soanc toons of warm, soapy water per rectum; drastic pur-
gatives such as aloes
must be avoided. If the appetite remain poor after three or four days, mill ap-
gruel should be substituted for water, and tonics, as equal parts of powdered gentian, ginger, nux vomics, and
 given out of a spoon in order to avoid danger of sumffoca-
tion. When complications that are not understood
arise, the services of tion. When complications that are not understood
arise, the services of a veterinarian should be procured.

## LIVE STOCK.

The Value of Sheep on the Land. It is many years ago since we heard an old flaxgrower remark that, even on a mixed tillage farm, he thought a few sheep were always worth keeping for the fne fax they left after them. At is known that sheep, especially if hand-fed, enrich land greatly, and hind a large manurial which would be of direct benefit to flax. The even distribution of sheep droppings makes this form of manuring land easier done than in the case of cattle, which are incimed thest and shielter in spots. A out that "the recognized value of sheep dung on pastures has been due eate as mach to character as to its composition. Falling evenly all over the field, it requirea
no further distribution. The dung of cattle falls no further distribution, The dung of cattre falls
solid heaps, temporarily destroying the grass under neath and over-manuring the spot, so as to grow
coarse, rank patches,", Here is contrasted the effect of coarse, rank patches," Here is contrasted the effect of
both kinds of stock in manuring the fields on which they graze. The feet of the sheep have been referred to as golden for the enriching effect they have on the soil, and there is no doubt they are worth keeping, even on small teasily kept on the smaller-sized farms, where the fences must be perfect to keep them from getting on to other holdings. Even this, however, should not be a bar to keeping stock which leave traces behind
them in strengthening the soil for growing nearly every kind of farm crop. Whether lambs sell ill or sell well,
them in steng we believe all farmers who grow flax should keep a few
ewes. The profts may not be great directly but ewes. The profits may not be great directly, but they
may be indirectly. It will be many a year before suplit may be indirectly. Tr will be many a year before suppiiee obtained by growers of flax. All know that potash is an essential manure for the crop, andits application in whatever form never fails to mark itself. An alternative
to the source of some years ago must now be looked for and while kel which, in Mimited quantity, may be be obtained round the coast-line may be utilized, the benefit of keeping some sheep, even if for no other cause than
for increasing the supply of potash in the ouil should
pose potash in the soil, should
be more widely recognized
than it is. - Farmers Gazette.

## Progre

We are not making We are not making
any starting prorgess in
the live stock industry. In respect to numbers statistics record an in-
crease at one time and a decrease a a aother,whereas, in a y y ung country
like this, we should be
lad like this, we should be
adding to our hive-stock
population at a steady population at a seteady
and healthy rate each
anar year. On the other hand,
one must admit, that one must admit, that a
gradual improvement is
taking place in regard to quality. The pure-bred
sire. is becom ing more opoular and the cattere,
horses, sheep and swine, the country over, are
benefiting thereby, Howeenerting this change for tow
eeter is
bettentably better is lamentably slow.
One reason is that stock farmers in general do no
fully appreciate the pure-
bured fully apprectate the pure-
bred s.re, while another
undoubtedly isto be found in the conclusions arrived
An Irish Draft Mare
draft horse breding in Irelar.
native type of Iight dratt mare.

Plan the work and feeding so the herd will not be
obliged to remain in the fields too late in the fall. Gains omaded in summer and early fall should not bo lost. It takes too much good grain and roughage to get them

Young sows should not be bred until around eight months of age. The gestation period is less of a drain than the lactation perion sof he sow shold reach a perform the duties of rearing a litter.
Under good management hogs should be reared
on pounds in weight on about four pounds of grain for each pound of gain in live weight. ${ }^{200}$ Prouducers can estimate from these figures future profits or losses
taking into consideration the price of feeding-stuffs

New Zealand, according to official figures, had 24,753,324 sheep on the 30 th of April, 1917 . This repre-
sents a decrease of 34,826 over last year's count. Dursents a decrease oras the returns have annually shown
ing the last five years ing the last five years the returnimave annuatry show was reported in 1910 .
More hogs at less cost could be reared if proper consideration were given to the question of housing.
The cabin or portable house could be used more extensively in the parts of Ontario where swine are raised in greatest numbers. Expensive piggeries are un-
necessary . Light, ventilation and freecom from drafts necessary. Light, ventit.
are the chief requisites.
ment Station.Investigation has been carried on throughout that State, particularly in regard to the ages of siresusudd by a number of progressive Maine farmers and breeders.
The following table taken from a Maine Bulletin showe that a large percentage of the calves are from young sires, the older ones being disposed of before their progeny reach the age when their quality or productiveness can
be ascertained. There is no evidence to prove that calves from young sires are inferior to thooe from older parentage. The regret is that more bulls of proven worth are not retained as br
Showing the Age in Years of Bulls Used as Breedera. Age in the Age in Years of
herd bulls used to sire the 967 calves included in the 1 -inch by 12 -inch rough sheathing. The special feature statistics was just under three years. The medium age of these herd bulls was approximately two and a
half years. This means that one-half of the calves were sired by bulls under two and a half years old at time of service. Seventy-five per cent. of all the calves were sired by herd bulls less than about three years and
months old at time of service. Less than 15 per cent. of the calves were sired by bulls five or more years old. Let us consider for a moment what these facts mean. A bull must be at least four years old before the breeder can possibly have had any opportunity milk producing capacity of his daughters. But 85 per cent. of all the calves covered in these statistics were sired by bulls under four years and 10 months of age. In other words, in the breeding operations of a large number of Maine's most progressive and widescheme are) more than three-fourths of the calves produced in a given interval of time are sired by bulls about whose ability to transmit milking qualities absolutely nothing definite can by any possibility be known. It is doubtless entirely fair to assume that methods obtain in other places generally. Is it remarkable that progress is so slow?'

## A Comfortable Hog Cabin For Hot

 and Cold Weather.Editor "The Farmer's Advocate"
The portable year-round hog cabin now extensively used by swine breeders, should afford reasonable shelter from the extremes of heat and cold. The ordinary single-board cabin placed in a sheltered spot and well supplied with bedding, apparently affords a degree of shelter for aged breeding stock, (several individuals to the cabin) that combined with. the accompanying ex ercise and fresh air, meets summer when the same requin is puiled out to the summer paddock or pasture (ff need bimilar satisfaction, however, is not afforded (if-need be) simile While the ord and warmth in wher an in thereserne it does not afford tight sides and roor, on a hot day, in ik oven ike and the least sought-after spot in the paddock by the pigs. If cool, natural shade is elsewhere afforded, this deficiency is not so important. In an otherwis shadeless pasture, however, a cool cabin is a necessity Every hog man knows the eif.

Cabins similar to the one illustrated herewith, have given excellent satisfaction at the Experiment Farm at hade was available. While the photograph leaves detailed explanation unnecessary, it might be stated that hese cabins are about 6 ft . by 8 ft . in size; portable
built of 2 -inch plank floor, 2 -inch by 4 -inch studs,

1 -inch by 12 -inch rough sheathing. The special feature side verandahs, as it were, apart from the cool interior.
In winter the sides are lowered and securely held by pins driven through heavy iron staples which pass through corresponding holes, three on each side as shown. down. For further ventilation, a section of the roof may be hinged at the peak and raised a foot or so.
The proof of the pudding is in the eating. Pigs The proof of the pudding is in the eating. Pigs
distinctly approve of this cabin.
Central Experimental Farm. Geo. B. Rothwell.


An Adjustable Hog Cabin.
This type of cabin is comfortable in summer as well as winter.

## THE FARM

## The Two-Furrow Plow.

In the past there has been considerable prejudice against the work of the two-furrow plow; very often due to the fact that the plow was not properly set and carefully operated. At the present time, with the in creased demand for a large acreage of crop and the minimum supply of labor, there is little time for single plowing. There are several types of two-furrow plows on the market, which, provided they are properly operated, will do just as serviceable work as will the single plow, and one man with the proper amount of horse power can turn over just double the acreage. It is generally advisable to strike out and finish with the single plow, although there are those who do not use it even
for this important work. Set the plow down in the ground the same depth as you would plow with the ordinary single walking plow and drive carefully, and if the plow is properly adjusted an even, well-turned furrow will result. Acreage will count this fall even more

## Canada's Young Farmers and Future Leaders

Boys Have a Share in Harvesting Crops.
In every country the war has caused new demands to be made on young people. Boysed wew oremands
would be considered too young to drive a team or wrily would be considered too young to drive a team or work
inthehay or harvest field have this year fallen in line and are filling men's shoes to the best of their ability. Town
and city boys who counted on the summer months for having a good time have this year plied the hoe and fork on a farm. While some found that farm work was out of their sphere and returned to the metropolis,
others found the work interesting although hard others found the work interesting although hard, and
staying with it their efforts...have aided in saving some of Canada's "bumper crops." They have come in touch with the fountain of supply for their tables and in the sowing, reaping, storing, threshing, and in marketing through the they realize the immense amount or dairy products, teween sowing the seed and getting the re-
involved betwer
ther turns for their labor. However, the Canadian boys have many advantages ovee the, boys of some oother
countries. The accompanying illustration she ountries. The accompanying illustration shows a
number of boys assisting in gathering the hay in number of boys assisting in gathering the hay in Great
Buitain. Note that the hand-rake is still in use. We understand that the labor-saving devics, as side-de-
livery rakes, hay-loaders, sliding hay racks, slings, hay forks, etc, have not come into general use as yets, The
cratle and reaper are uetel in osme parts for cutting the
crain ard grain crop, "hile in prarts of Europe the cutting the
conmon use. Insten is in wagons, carts are used. Horses are led rather than
driven, which necesitates one man to look after the
horse while another looks after the machine to which

The work is done by hand rather than ly machinery
After beng used ourge mathones and implemenent
pear strange to a Canadiar farm toy. Where
strength was the main replerment of a


Enitor "T ${ }^{\text {F }}$ Farmers
After many years of freedom from its attacks, the Wheat Midge has made its unwelcome appearance in also in Elgin. On some farms it has injured the and to a considerable extent and has caused the crop among the farmers in those sections of the Province The parent fly is a very small, two-winged insect, with a yellow or orange colored body, about an eigect,
of an inch in length. It appears when the formed on the growing grain and lays its egge ears are of the chaff covering the soft kernel. In about the tip there hatch from them small, dark red maggots, which enter the grain and feed on its milky contents, leaving only an empty shell. When numerous the destrucmaggot descends to the ground, aided oftentimes by rain drop, and there, burying itself a few inches be a the surface, changes to the torpid pupal stage in which it passes the winter
Nothing can be done to destroy the maggots while
feeding in the ear, it only remains, therefore feeding in the ear, it only remains, therefore, to guard
against future attacks. For this purpose it is portant to sweep up and burn at once all chaff and refue from the threshing machine, which will contain many these insects. If practicable the stubble in the field should be burnt over, and in any case the wholeshould be deeply ploughed in order to bury the wintering. pupae
so deeply that the flies will be unable to emerge year. Rolling the ground after ploughing will help year. Rolling the ground after ploughing will help
materially to produce this result. No wheat should be grown on the same field or very near it for one or two seasons. When the Midge was, so terribly destructive, some
fifty or more years ago, it was found that certain of wheat were "Midge-proof," due to the flinty characters of the straw and the chaff covering the grain, which were too hard for the newly-hatched maggot to pene-
trate. The general adoption of these varieties saved the situation and the Midge became practically extinct. to sow next year only such varieties of wheat as are likely to possess this resistant quality. The Red Fife is one that can be recommended, and probably the Marquis would be equally satisfactory.
Ontario Agricultural College, Guelph.

Grain Acreage in the United States. United States Department of Agriculture recom-
mends the sowing in that country of $47,337,000$,acres to winter wheat, and $5,131,000$ acres to rye. They also recommend sowing $19,000,000$ acres of spring wheat,
$5,500,000$ acres of spring rye, nearly $8,000,000$ acres of barley, over $45,000,000$ acres of oats, and over 111,000 000 acres of corn. This will be a 43 per cent. increase in wheat, 5 per cent. in spring wheat, 124 per cent.
in rye, 7 per cent. in barley, 22 per cent. in oats, and 7 per cent. in corn, or a total increase of 22 per cent. in
the entire acreage to be sown.


## Automobiles, Farm Machinery and Farm Motors <br> arm Nachinery and Farm Motors.

The Life of Farm Machinery Editor "The Farmer's Advocate": 16 th, I found a icle re repairs on certain farm implements, the writer of which certainly hit the nail on the head
It is unfortunate that the whole country is full of implement agents ready to sell new stuff, but the number that care for the machine to give satisfaction after the expiration of a few years is comparatively small. experienced this myself several years ago when my ears old which, as I suppose, is the average life of the elfbinder. The machine did poor work so I took the knotter off and sent the man to the repair shop with it When he got there the agent told him that the machine had on hand. On insisting that he should fix up the dd knotter he simply put on a new twine knife and

## THE DAIRY.

The herd requires attention after it returns from th how as well as before it is exhibited

Even the quietest bull cannot be trusted. Be firm he handing him at all times, let him know that you are the master. At an unguarded moment
a fatal blow. No risk should be taken.

Care should be taken when turning cows on a heavy some growth clover. Bloating, indigestion and mals on clover, death has resulted from turning the anihere all day. They may suffer no ill effects other tha iving a taint to the milk, but cows are too high priced and dairy products too much in demand to take any

What Some Cows Return For Every Dollar's Worth Of Feed


 plete account has been kepestor the amment and cost
of feed, and value of the products produced. The record is itven for the entire herd of 34 cows, reperesent ning tour different breeds. As might be expected, there
it avast difference in the the vast difference in the amount of milk produced by
the diferent individuals. The heaviest miker gave nearly five times as much milk as the poorest milker
and



 poundsol mangele and9,504 poundsof hay were consumed, no allownance for pasturee. At the time the records were kept the cost of feed at market prices was 8 \$133.19.
At
\&1. 60
 over the cost of feed. This does not take into con-
sideration labor, interest on

 of 82.38 . The cow whurich mave and for tound ot of maile
did
din the eat nearly as much feed as did its stablemate. did not eat nearly as much feed ds did its stablemate.
The meal was 1,390
deounds silage 6,606 pounds, mangels 4,830 pounds, hay 1,825 pounds, 6 and $\$ 7.19$ was al-
${ }^{\text {a }}$ atew spings sthat showed some wear. After I had put the machine in order and started running it I found That same night I hunted till I found the price list of duplicate parts which I got with the binder in question. A careful stud of the knoterer parts and their prices convinced me that I better not fool around with the
agent any longer but send direct to the manufacturers agen tany longer bur send direct to the manulacturers
for the necessary parts. The parts needed were witten down and the letter mailed with an enclosure ofa $a$ lititle over two dollars. This was done after harvesting the
wheat crop. $A$ few days later the parts arrived and on wheat crop. A few days later the parts arrived and on
the next rainy day I carefully took the knotter apart and replaced the badly worn parts with new ones When the time came to haryest the barley and oats I was delighted with the working of the knotter; in fact, Itill using the machine. Some new parts on the main still using the machine. Some new parts on the main
gear and the packer and a few other parts were also replaced a few years ago, and the machine is now cutting its twenty-first harvest on a hundred-acre farm, and is in lowed for pasture. Figuring on the same basis as above
the profit was only $\$ 18.19$, or, for each dollar's worth
of feed $\$ 1.42$ was returned in milk value. It is not of feed $\$ 1.42$ was returned in milk value. It is not always that the heayiest milker gives the most value
for feed consumed; for instance, one cow in the herd for feed consumed; for instance, one cow in the herr
which gave $\$ 2.53$ worth of milk for each dollar's worth of feed consumed only yielded 8,188 pounds of milk in the lacation. She has the distinction of producing a pound of butter-fat the cheapest of any cow in the


Lakeview Hengerveld Wayne 12430 Seven-day record: milk $\begin{gathered}467.3 \text { lbs.; butter, } 27.42 \mathrm{lbs} \text {. Dam of the grand champion bull, } \\ \text { Lakeview } \\ \begin{array}{c}\text { Dutchland }\end{array} \text { Hengerveld } 2 \text { nd. }\end{gathered}$
herd and is the third cheapest in the production of 100 pounds of milk. The feed consumed was 1,489 pounds 1,060 meunds of hay 4,578 pounds silage, 3,290 pounds of mangels, economical cow to feed and gives good interest on money invested in feed. Her care stable room, deprecianey etc., would cost about the same as the other cows reerred to. The heavy producers have great capacity for feed, which must be supplied to them if they are consumed thest. It is what is returned for the feed consumed
keeping records comes in. It permits the dairyman to
study the relationship between feeding and production.
just as good condition as it was ten years ago. Badly worn parts have been replaced, the canvas roller boxings
babitted, the machine fitted with new knives and ledger plates, but all figured together did not amount to more than twenty dollars, whereas had I bought a new machine he time the agent first told me mine was worn out this new machine would no
one was ten years ago
Agricultural implements are, on the whole alto gether too short lived, due to improper storing and neglect of oiling and replacing of partly worn parte which knock the machine to pieces. The machine above reterred to was not cared for as it would be supposed
as it generally stood outside during the whole harvest time, but all the canvases were always taken off and the knotter and knife covered if it stood any length of time. The most important point is to get loose rutning parts
replaced or tightened, and keep all nuts tight pas no replaced or tightened, and keep all nuts tight, as no
machine can work satisfactorily when the frame io sagging.
Waterloo Co., Ont. Young Farmer.

Many have found that in order to get the largest turns some individuals could be fed much heavier on ertain feeds. Feeding all cows alike is not good busiquantities have the machinery for turning out greater provided they manufactured products than others cows which will furnished the raw material. The dollar's worth of feed consumed are the individuals to keep. The yield of fat is also an important consideration, whether butter-fat
or whole milk is sodl. or whole milk is sodil.
The value of a cow cannot The value of a cow cannot
be reckoned by the milk be reckoned by the milk
fow alone: even though whole milk is sold the richness is a considera-
tion Consumers preter Consumers prefer
tion. rich milk and the higher the test the better the quality of cheese made. Very few dairymen go
to the trouble of keeping account of the feed con sumed and milk and fat produced by individual
cows in the herd, consequently are not in a position to study the relation between feed consumed and production. little idea of the number of pound of meal or roughage fed to a cow in a year. The figures given
for the College herd will convey some idea o
what it takes to produce a certain amount of milk
and fat. Cows of like indiand fat. Cows of like indi-
viduality and giving an equal tyandity of of the
lactic fluid will lactic fluid will require of feed, whether they are housed in the College barns or in the average dairyman's stable. Cows
giving around 7,000 or 8,000 pounds of milk and running on pasture duripg the summer took from three--quarters to a ton df meal, a limer lo oover from
tons of silage, from two and one-half to three tons tons of silage, from two and one half to three thons
of mangels, and around a ton of hay although certin of mangels, and around a ton of hay, although certain
cows eat over a ton and one-half of the latter. It is generally conceded that for economic feeding a cow should have all the roughage she will clean up, but it it surprising the difference in the amount
consumed by different animals consumed by different animals giving approximately the
sameamount of milk. This shows that somecows can use
their feed to better advantage than others, or are equipped with more effcient machinery secured by selection
and breeding. If a cow does not possess the inherent qualities to produce milk and fat, the quantity cannot be increased above normal by feed. Many will not
feed heavier owing to the high cost of feed, and perhaps they are justified, but no one should begrudge the meal and hay fed the cow which will give a revenue of two dollars for every dollar's worth of feed consumed.
It is $a$ profitable way to market feeds. Too many cows give very little returns for the feed. A number of the cows in the College herd giving from 6,000 to ,000 pounds of milk returned around two dollars for high-not over what every herd should do. A liftle nd produy of the indivicuals in the herd, of feeding and production would show dairymen where they were
and
we venture to say would d lead to some justments in the herd management being made. The cows which do not pay a reasonable profit on
sumed are losing propositions for their owners.

## HORTICULTURE.

Wrapping Apples For Box Packing. Useful information in respect to the wrapping and
Bepale the Fruit Commissioner's series. The author states that all apples packed in boxes, except jumble packs,
should be wrapped, and furthermore claims that exhould be wrapped, and furthermore claims that exphen wrapping the fruit. The advantages claimed for
wher vrapping are several:
bruising.
It It prevel rom specimen to specimen spreading
3. It maintains a more even temperature in the
fruit. It gives' a more finished appearance to the pack5. It preserves the
adds to the keeping qualities.
6. The paper absorbs surplus moisture

Wrapping should be performed with as few nove ments as possibieuber paper should be placed confinger of the left hand. In placing the paper be sure to have the smooth side up. The paper is held in the
left hand and the fruit to be wrapped, in the right hand. left hand and the fruit to be wrapped, in the right hand. its side or end. If the pack is to be a side pack, the apple is thrown into the hand on its side if if an end pack
on it send with the on its end with the calyx to the palmibt it then wrap,
ped with as few movements as possible and placed $i$ in ped with as few moveme
the box with the left hand

The sizes of wrapping paper in common use are:
$10 \times 12$ inches for very large apples.
$10 \times 10$ inches for counts 56 to 96.
$8 \times 9$ and $8 \times 10$ for counts 138 to 175 .
$\times 8$ for smaller apples.
The following table will be of convenience to the Irvit grower in estimating the quantities of paper he
will require. It gives the weights of the various sizes
of paper per 1 . 000 sheets.
 Diagonal packs render layer paper unnecessary, intop of the apples on the under tier, but in the spaces be tween them. $\begin{aligned} & \text { Whing } \\ & \text { ling paper is unnecessary it adds to the at- }\end{aligned}$ tractiveness o o the package and can be bsed advan
tageously for the best crades and varieties. Two sheet tageously for the best grades and varieties. Two sheets are required for each box. The sheets are placed in the
box on each side, lapping over the bottom slightly and having a fold in the lower corners so that the paper
will not be to on the cover. The box is then filled and the two sheet
lapped over the top.

Crawford Type in Peaches.
The Crawford peach is an old reliable variety so quently paraded under its name by unscruaulouse deal-
ers. Where apple varieties are not known many kinds ers. Where apple varietien are not known many kinds
are passed of as Spys to the detriment of the industry,
but in the ase of peaches the are passed on sale of peaches the mime ofrepesentation is
but
possibly carried to a possibly carried to a greater extent. The Crawford
peach is of a distinct type. It is usually large and peach is of a distinct type. It is usually large and
oblong, but the distinguishing mark is the prominent apex. As shown in the accompanying. illustration the end is carried out to a point which is often slightly
curved.
On the outside the mature Cravford golden color with a red cheek. The flesh is yellow in color and free stone. The Early Crawford is on the market, in nowronal seasons, early in September, while during late years, and several newer veavily planted
taken its place. The St. Ioth nend Fities have taken its place. The St. John and Fitzzeraridties have nave
the same in type as a Crawford and prove very accept.
able, while the great bulk of the offering on the mar-
kets late in the season is the Elberta, which is a good peach. There are dozens of varieties being offered which are all right, but it is now too ridiculous for local dealers to call everything they have from late August
to late October a Crawford. They should know varieties and the season for same, and be able to give their
customers some intelligent-information in respect to custom
fruits.


## POULTRY.

## Starve birds from 18 to 24 hours before killing.

Mashes give
fattening crate
better results than whole grain in the A cold, dry p
warm, damp pen.

Don't leave it until the snow flies to prepare winter A small flock well fed will

After plucking the bird, thoroughly wash the feet
and head. Neatness and cleanliness help to sell drese

If you do not wish to make a fattening crate, confine
the birds to be fattened in a box stall and feed them on
The pullets to be kept for laying should be placed
in a pen by themselves and fed to put them in good
laying condition by early winter

That dark, damp hen-house might be remodelled at
small expense. Let in the sunlight and small expense. Let in the sunlight and provide some
system of ventilation if you want eggs this winter

The cornerstones of successful poultry raising are
Good birds, facilities and ability for hatching ing chicks, right feeds properly fed, and suitable build

For convenience in plucking, the birds may be sus pended by a string from the ceiling of the room, attached
to their legs. The height can be adjusted to suit the

Feed lightly at the commencement of the fattening
period, increase the allowance the period, increase the allowance the second week and
give the birds all they will eat the third week. Keep within the limit of their appetites.
If pullets were hatched in April or early May and
properly fed they should commmence laying October. If they don't get started early in the last of there has been something wrong with the strain of fowl
kept, or the chicks have not been given a chance during

When shipping dressed poultry the crate should be firmly together to avoid shifting during transit. Firds 12 birds, weighing from 4 to $43 / 4$ pounds, the inside inches. Line the boxes with parchment paper. $43 / 4$
Some of the spring-hatched birds should be ready Equal parts of finely-ground oats, buckwheat and corn-
meal, mixed to the consistency of a batter with sour milk, or buttermilk, makes a very good fatter with sour
Shorts and low-grade flour may also be ration.

The Value of Meat Food and Man. For Poultry
scraps, or something of that kind is is in-milk, meat hens a test was carried on at a certain in feeding, laying with three flocks of Leghorns. Each flock was allowion a range of an acre lot covered with fruit trees, which
was cultivated during the summer and plated rye cover in the fall. Everything about these flock was uniform; the environment was excellent. Each and a dry-mash ration of bran and shorts. To pen No. was added 10 per cent. of meat scraps, to pen No. 1
all the skim-milk they would drink; but pen No. 3 was
left without any additional food left without any additional food. This test covered
two years.
years 135 eggs a hen. The skim-milk fen the two 133.5 eggs. The third pen averaged 36 eggs. Th average profit per hen over feed was $\$ 1.47$ in pen No was $\$ 0.043$. This difference was due, so far as any los could see, wholly to the feed
Rorth practin of the experiment in the third year brough birds practically the same results. Even though the lack of milk or meat scraps in their ration cutt dow egg production practically a hundred eggs a hen. The
birds without meat food did not grow in inize; they were
constantly dissatisfied and easily excited constantly dissatisfied and easily excited. The werird in weight, and always satisfied and quiet. question sometimes arises in the farmer's mind as to whether it would be better to feed the skim-milk to the In this experiment given to pen No. 2 produced, when compands of mill
No No. 3, $\$ 1.73$ worth more of eggs. This gives a feeding value of $\$ 1.73$ for milk to laying hens. Livestiock
breeders claim that milk has a feeding value for hor breeders claim that milk has a feeding value for hogi
of $\$ 0.45$. If this figure is correct it would pay every farmer to buy tankage for his hogs and give the skimmilk to his chickens. The feeding value of the meat scraps was $\$ 24.20$. It cost $\$ 2.50$ a hundredweight on
the market.-A. G. Philips,. Purdue University.

## FARM BULLETIN.

Truth and Honesty in Advertising. in the peast through advertised humbugs. Good add vertising is legitimate and necessary. It helps the man
with goods to sell and is d distinct adit the provided of is service to all people in aces provided, of course, it it is honest, straight-forward busi-
ness advertising It is service that builds up to lasting business. It it through service that customers are retained. Advertise
ing nien are putting forth a strenuous endeavor to male ing men are putting forth a strenuous endeavor to malee
and keep advertising clean, wholesome, efficient, honest and full of service. Advertising asencies, managers, publishers and editors should all work together toeliminate the humbug. The truth is just as valuable and
necessary in the Advertising columns as in the Editorial columns. Overdrawn statements are not required when a good thing is offered through a legitimate campaign.
The truth, the whole truth and nothing but the truth is a good basis to work upon; then dress it in languses
which will seal which will appeal to the people, words which carry
power of conviction, and be as good as the words. There are fakesstillon the market. Advertising men do not desire to handle the business which they represent.
They must be commended for their stand against dvertising intended to take money right out of the It will be a blessing when the last of the patent medicine cure-alls and all the rest of the same classof humbuga are Orever banneabyyadvertising men and pubications. Every analysis by the Department of Public Health and on heir authoritative statement that it contained ingredients which would do the work claimed for the conocoction land, wholesale and retzil druygists have entered into an agreement not to carry any lines of patent medicines In the state of Ohio there is ialth has passed upon them and unless nostrums live up to their brisbranding, ander test they have no chance. The retail druggists Commissioner and any old come under the "misbranded" order med they ares in stock for what the statement says they are. That is fine. The sooner some such system becomes universal the
better. Advertising medicated booze and all kinds of unknown mixtures with fancy names and fanciful or the people. The Cleveland druggist who refuses in the interests of the people who benown value does so as he does also in the end through estabtis from his action The publication which stands between the advertiser and the people, guaranteeing the former the best service
for nothing but legitimate advertising the the later honest dealing from advertisers, is the one the reliable firms use and the thinking people read. The quality of advertising imporves as the years go by. Honecty
and integrity are the shortest and surest

## The Canadian National Still the Greatest of all Fairs

With considerable space given over to comment and
awards in the live stock and agricultural departments awards in the live stock and agricultural departments it is impossibe to place before readers a complete picture
and minute description of the thirty-ninth annual
Canadian National Exhibition held in Toronto in 1917 . On August 25 the gates were thrown open to visitors who might roam at will over an area comprising 264 acres, In the twelve major buildings there are over half a million feet of floor space, some conception of the magnitude
of the Exposition can be gained from these concrete of the Exposition can be gained from these concrete
examples, but add to these the fact that space throughout the grounds is at a premium and the enormity of one's
task, who attempts to describe it, presents itself at once. No phase of agricultural, industrial or professional
life is neglected unless it be that of law, but even that exerts its influence and order reigns supreme in Ex-
hibition City. It is hard to conceive of a more efficient educational institution than the Canadian National. Everything that enters into one's life or is necessary
to his existence is displayed in its most modern form.
Commercialism cannot be separated Commercialism cannot be separated from human
enterprise for in all our activities we must either buy enterprise for in all our activities we must either buy
or sell something; it may be commodities, it may be or sell something; it may be commodities, it may
labor or it may be brains, so the administration, through a period of years, have built up an enormous collective
exhibit of man's handiwork so the people of this and other nations can study the latest and most up-to-theand gives to all a post-graduate course in home-making, and all those things that make for better home and
national life. In brief, the Canadian National collects national life. In brief, the Canadian National collects
into as small a space as possible the best products of may come and see. As an educational factor for the race at large it is without a peer, inasmuch as the in
fluence is of social life. As a permanent, annual event of its kind it is, perhaps, without an equal.
The Government Building, to one's right as the main gate is entered, is always replete with interesting exhibits.
but those to be seen this year cannot all be mentioned on account of space. The Dominion Government
Wool Exhibit attracted large the product in all its grades and in all the steps of its manufacture into the finished articles. The Health
section of the building was exceedingly. instructive and
interesting interesting as well. The Ontario Agricultural College
exhibit took on a different aspect this year being divided exhibit took on a different aspect this year, being divided into four parts and each part was made a fountain of
information on all agricultural topics. Splendid exhibits from the Standing, Field Crop Competition and the
Vegetable Growers' Competition adorned the walls in Vegetable Growers' Comperition adorned the walls in
the centre wing, and in the midst of all was a display the centre wing, and in the midst of all was a display
destined to instil thrift enthusiasm into a lavish race
of people. There was fish this bupile. There was fish enough on exhibition in by the Fisheries Department, to
bring down the price for a while if it could all be bring down the price for a while if it could all be re-
leased at once for consumption, but not enough to keep goods and revealing her opportunities to the settle while in the south wing nature was displaying her
creations of fish, reptiles, birds, and myriad forms of
life. We hise be seen in the Government Building. One could spend
a day there and not see all. Above the door of the
Transportation Building is "ransportation Building is inscribed "Road", "Water"
"Rail", but within, the latter two methods of Trans
portation were sulmerged in the portation were sulbmerged in the methods of Trans
of automobiles, tractors, bicycles, and accessories distance has been conquered ond with the fact that
become a joy land has The Horticultural Building was abloom with flowers vegas truly a haven for lovers of the garden. The
quantity. Were of good quality but few in numbers or quantity
dent with beautiful costumes, furs, tapestries, cappets
jewelry, jewelry, pianos, organs, toilet speciaplities, pure foods
etc. Dairy machinery, cream separators, vacuun
cleaners, washing machines, leather goods, pure foods and toys were all to be seen in the Mane Macturers
Annex; while in the Dairy Building inspected meats, Annex; while in the Dairy Building inspected meats,
dairy products, eggs and other exhibits attracted the
eye. In addition to these were Industrial and Process Building, Army and Navy
Equipme Ruilding Equipment Building, Poultry Building and the home
for the dogs and cats. Each one was full of things
interester interesting, and machinery, almost human, was turning In sympathy with the movement for greater pro-
duction over in the out-door agricultural section were
observed maty twelve distinct makes of types of farm implements and elevated platforms to reveal their complete control by the operator; some were being driven and operated by
reins as one would a team of horses; another was making
circles circles in the turf a with no one at the wheel, but each one was capable of some particular achievement peculiar
to itself. In other quarters a traction ditcher was preparing a trench for the tile; threshers were running
moothly; power was dor ike to see it do about the place; everything was alive
with industry. Whatever with industry. Whatever one overyth like to see was
somewhere on the grounds and the unexpected was
cropping on In spite of the worst season Ontario has known for department was a credit to any fair. Comment else-
various breeds, but suffice it to say here that the dairy
cattle showed a year; the beef cattle were about the sampe; horses were a about equal to the exhibit of better, and swine were was a good display staged by the live-stock industry,
which, in spite of handicaps, is in a technically stron position at the present time. Many things of interest the grounds. The Ontario Department of Highways had built a stretch of road showing six types of
construction namely. bituminous concrete road, oiled-top macadaad, water-bound macadam and gravel road., Inside an
attractive little building were various models. Two attractive little building were various models. Two
of these were of interest in that they showed the different
courses or layers in courses or layers in the historic Roman Road and Appian Way which were superior to many modern pieces of construction. There can be no gainsaying this
statement for substantial remains still exist in England
France and France and other countries. Some were built as early
as $300 \mathrm{~B} . \mathrm{C}$. , but on the other hand that heavy trucks and powerful motor cars in thosetimes were so numerous and destructive to the highways.
A $\log$ cabin built of New Ontario timbers with products brought back from that land of promise was open for inspection. The Health of Animals
Branch were located in the Dairy Building with an Branch were located in the Dairy Building with an
exhibit of diseased and healthy specimens of meat
and parts of animals and parts of animals. Some observers said they could never eat meat again, but when they turned about to
the remarkable showing of abattoir-killed, Govern ment-approved carcasses, tastily arranged in large dissipated at once and the old appetite reappeare The children of visitors were alloted a play ground
where organized play was conducted where organized play was conducted. An immense
monument stood inside of the main entrance to memorate the semi-centennial of Canada and her part in the great war. These are a few of the special features The military was every
and the soldiers from our mingled with the civilians and khaki-clad boys Canada. The aviation, artillery and infantry wer Each day the Exhibition was brought to off their hat wonderful spectacle before the Grand Stand. With the ancient city of Quebec as a background the birth and development of Canada was lived again. It was a
big and successful show. Crowds equal to those of last year attended the first week which was those of last thousand behind the record year of 1913. Records were smashed on some days of the second week and all went
away well repaid for their annual visit to the Canadian
National.

## Light Horses.

Light horses since the advent of the automobile
have not been an extra strong feature in the breedini ring at any of our larger exhibitions. They were well Hackneys.-Compared with former years there classes. Speaking in numbers there were only two aged horses and one yearling, leaving two classes with making a creditable showing, although even in this de partment the line-ups have been larger in the past,
Favorable comment was made regarding the fact that Favorable comment was made regarding the fact that
breeders are allowing the foals and yearlings to retain their full length of tail. Docking seems to render the this operation a wider sphere of usefulness as well as a Colorito and Spartan the
equire no comment to introduce thed horses shown require no comment to introduce them to admirers o
the light horse. They have been successful show animals, and now their progeny are coming on to demon strate their actual and unmistakeable value as sires
Waverley King, the yearling, was a very promising
young horse, capable of showing well in strong company, The fillies were a desirable lot, but perhaps the best exhibition of action, staged by the females, should be credited to the yeld mares. Model's Queen, last year's winning her class and the championship. She is showy and a good, clean mover. Princess Eudora, in the same
class, had some points about her that appeal very class, had some points about her that appeal very
strongly, yet her performance was not equal to that of among the five brood mares that were presented, but when it came to the progeny a young chestnut foal out the best. Exhibitors.-Graham Bros,, Claremont, Ont.; Jas.
Tilt, Brampton, Ont.; Jos. Telfer, Milton West, Ont. Tilt, Brampton, Ont.; Joo. Telfer, Milton West, Ont.;
W: E. Jewell, Bowmanville, Ont.; J. F. Husband, Eden Grimsley. Eglinton, Ont.; A. Shields \& Sons, Canfield,
Ont.; Dr. W. J. R. Fowler, Toronto; J. M. Gardhouse, Judges.-H. M. Robinson, Toronto, and Andrew Awards.-Stallion, aged: 1, Graham Bros., on
Atlorito: 2. Tilt. on Spartan. Stallion, Colorito; 2 , Tilt, on Spartan, Stallion, 1 year: 1 ,
Telfer, on Waverley King. Filly, 3 years: 1, Jewell, on Lily Denmark; 2, Husband, on Brookfield Princess.
Filly, 2 years: 1, Tilt, on Dainty Spartan; 2 and 3,

Jewell, on Terrington Doris and Terrington Dora
Filly, 1 year: 1, Husband, on Brookfield Belle; 2, Jewell, on Lady Jewell; ; 3, Grimsley, on Spartan's Gold Flash-
Yeld mare: 1, Shields, on Molel's Yeld mare: 1, Shields, on Model's Queen; 2 , Telfer, on
Princess Eudora; 3 , Tilt, on Minnie Derwent. Brood Princess Eudora; 3, Tilt, on Minnie Derwent. Brood
mare and foal: 1, Dr. Fowler, on Wild Agnes; 2, Tilt,
on Miss Derwent. on Miss Derwent; 3 , Jewell, on Rosaline; 4, Grimsley,
on Woodhatch Gold Flash. Foal of 1917: 1, Tilt, on on Woodhatch Gold Flash. Foal of 1917: 1, Tilt, on
King Spartan; 2, Jewell, on Terrington Madge; 3, Dr.
Fowler, on a horse colt; 4, Grimsley on Spartan Flash. Mare with two of her progeny: 1, Tilt, on Miss Derwent; 2, Jewell, on Rosaline; 3, Grimsley, on Wood-
hatch Gold Flash. String of five: 1, Tilt, Champion hatch Gold Flash. String of five: 1, Tilt. Champion
stallion: Graham Bros., on Colorito, Chat mare: Shields, on Model's Queen. Gardhouse had the best stallion and mare, 14 hands 1 inch and under, in Talke
Fire Alarm and Whitegate Oueen Victoria respectively.

Standardbreds.-A number of the respectively. Standardbreds.-A number of the Standardbred
classes were fairly strong, while others indicated a scarcity of horses. The aged-stallion class and the brood mare class were among the best. Axworthy walked away with the red ribbon in the aged class of
stallions, and he was certainly entitled to it. The list stallions, and he was certainly entitled to it. The list
of awards will indicate the numbers out in the remaining stallion classes. Two beautiful mares were forward in the aged class for females. Juliett McKinney, a
black, nicely-turned thing, with a splendid way of going, nicely-turned thing, with a splendid way
Lollee. But Axworthy and Jon over the light bay,
Buliett McKinney were ultimately made the champion stallion and mare respectively, O. B. Shepperd, Toronto, an
Sinclair, Cannington, Ont, made

Exhibitors.-T. D. Elliott, Bolton; A; C. McMillan Erin; Ashley Stock Farm, Foxboro; Crow \& Murray,
Toronto; N. S. Goodison, Lampton Mills; N. \&. Toronto; Non Sills Rd.; Ira A. Mabee, Aylmer; Paterson Bros., Agincourt; D.Douglas \& Sons, Momberg
McCaffrey, Russell; Sam Hastings, Schomber
Awards.-Aged stallion: 1, Crow \& Murray on
Burt Axworthy; 2, Mabee, on Black Joe; 3, Goodison on Bingen Pilot. Aged stallion, (pacer): 1 Crow Murray, on John R. Hall; 2, Ashley Stock Farm, on Geo. Rayner. Stallion, three years: 1, Crow \& Murray Stallion, two years: 1, Ashley Stock Farm, on Jack 2 and 3, Douglas, on Flashlight and Sphinxwood Chimes. Aged mares: 1, Hastings, on Juliett McKinney Stock Farm, on Ella Bleecker. Filly, two years: 1 an Filly, on Stock Farm, on Winkle Girl and Clara Gay McMartin and Muriel Longwell. Brood mare: 1 and 2 Paterson Bros., on Ideal Princess and Lady Arley,
3, Ashley Stock Farm, on Phillywinkle. Fal: 1 and 2 ,
Ashley Stock Farm; Ashly age: Burt Axworthy, Baterson Bros. Best stallion
any any age: Juliet
McKinney. Best string of five: Ashley Stock Farm. Roadsters.-The Roadsters were represented by taken in the judging. The aged-mare class was superio to classes shown in previous years. Five magnificen
mares lined up. Ruby, the winner, was a beautiful mares ined Ruby, the winner, was a beautirm traveller, but did not come up to Patricia in form,
Dandy Dell, exhibited by L. Fried, was considered to be
the best Roadster mare shown. She had form and could the best Roadster mare shown. She had form and could
move in a delightful manner. Judges were: Dr. Sin move in a delightful manner. Judges were: Dr
clair, Cannington, and O. B. Shepperd, Toronto.
Eeorgetown; Crow \& Murray, Toronto; A. L. Chambers, Milton West; I. A.Mabee, Aylmer; S. Macklin, Weston Craw, Fergus; James Tilt, Brampton; Paterson Bros., Lambton Mills; Ashley Stock Farm, Foxboro. Goodison Awards.-Aged mare, (5 in class):. 1, Crow \& Murray,
on Ruby; 2, Mabee, on Helen Lexington; 3 , Blewett, on Patricia. Filly or gelding, three years old, (3): 1,
Fried, on Dandy Dell; 2, Brown, on Evelyn Wilkes; 3, Macklin, on Lady Pointer. Filly or gelding, two years, Craw, on Lady Grey. Brood mare, (4): 1, Ashley Stock Farm, on Bessie Longwell; 2, Goodison, on Gypsy
L; 3, Tilt, on Rose. Foal.-1, Tilt; 2, Goodison; 3 L; 3, Tilt, on Ros

Carriage.-Graceful carriage and high stepping are expected in carriage horses, and spectators were not
disappointed in the class shown. Wild Rose, considered to be the best mare of the breed in the ring, was a beautiul mare and carried herself nicely. She worked her
knees and had great hock action. Several winners in knees and had great hock action. Several winners in
this class, and also in the Roadsters, were sired by that noted horse, Spartan.
Exhibitors.-Crow \& Murray, Toronto; Jas. Tilt,
Brampton; W. C. Howard, Rockwood: G. M. AnderBrampton; Wm. Kuelph; J. Lerch, Preston; R. H. Livingstone, Bros., Agincourt; N. Wrigglesworth, Georgetown; Awards.-Aged mar
Awards.-Aged mare: 1 and 2, Crow \& Murray, on
Wild Rose and Primrose; 3, Tilt, on Maud. Filly or gelding, three years: 1, Tilt, on Pearl; 2, Anderson, on laygirl; 3, Lerch, on Lady. Filly or gelding, two years Jennii. Filly or gelding, one year: 1, Wrigglesworth, ennie. Fily or gelding, one year 1, Wrigglesworth,
on Florence; 2, Paterson Bros., on Lady Grey; ; , Tilt,
on Teddy. Brood mare: 1, Wrigglesworth, on Gladys; on Teddy. Brood mare: 1, Wrigglesworth, on Gladys;

## THE FARMER'S ADVOCATE.

on Snow Storm. Judges
O. B. Shepperd, Toronto.
Ponies. - A few exhibitors reminded the public that they should not forget the pony as a useful pet for the
children. The entries were not numerous, but the type children. The entries were not numerous, but the type
and quality presented would suffice to impress upon interested onlookers a standard of excellence to guide them in making selections. Talke Fire Alarm, the
sensationa! little Hackney pony, is always ready to give an exhibition of extreme and almost ideal action, and his performance this year was quite up to par.
His stable mate, Whitegate Oueen Victoria, is another His stable mate, Whitegate Queen Victoria, is another queenly mover of her kind, so together they carried
home again to their stables at Weston the ribbons that denote the championships.
Awards.-Stallion, 12 hands and under: 1, Osborne Cartnell, Toronto, on Preece: 2, Jas. Creech, Lambton
Mills, Ont., on Highland Laddie. Stallion Lover 12 Mills, Ont., on Highland Laddiie. Stallion, over 12 hands and up to
Ont. ond Talke Fire Alarm, and Fire Alarm, 2 , J. F. F.
Hushand, Eden Mith Ont., on Whitegate Pimple. Onsbband Elen MiAk Ont., on Whitegate Pimple.
Frily, 3 years and over, 12 hands and over: 1 and 3 , Filly, 3 y years and over, 12 hands and over: 1 and 3 ,
Creech, on Nettie Horace and Robertland Lenitta; 2 , Crow, \%Murray, Toronto, on Harviestoun. Mimic. Brow mare and foal, 12 hands and up to $13: 1$, Gard-
house, on Whitegate Queen Victoria. Berkley Swell house, on Whitegate Queen Victoria. Berkley Sweln
and foal were the only entry in a class for such between 13 and 14 hands. This mare was shown by J. M. house entry in the class for mare and two of her progeny was the only one. The champion stallion and mare were Talke Fire Ala Whitegate Queen Victoria

## Dairy Cattle

The success of the dairyman and of all the industries dependent on dairying depends largely on the type of
cow, and on the man behind the cow of late years rapid strides have been made towarts establishing breed standards in type and conformation and in increas-
ing production. The exhibitions have played no small part in this. With two dairy breeds in particular there is a marked uniformity in type in every class shown in all parts of the country. The other breed has not been
brought to this stage yet, as evidenced by animals of brought to thin stage yet, as evidenced by animals of
distinctly different yypes competing in the same classes. distinctly diferent types competing in the same classes. year as on former occasions, nor was the stock in as
high condition as it might have been. There is sonie excuse for it. Labor is scarce and feed is dear. However, the entries were by no means thin, but were in
good working form with a few herds in excellent show condition. There was keen competition in practical!y every class and honors were well distributed. No on
herd in any breed had a walk-away, except in the case herry in any breed hat a walk-away, except in the case
of Ayrshires, where R. Ness secured the lion's share of the money with his uniformly good herd. Champions
of many shows again entered the ring, but some were of many shows again entered the ring, but some were
forced to orive way to younger blood of modern type and
in better bloom The lateness
men from attending the show and was responsiblble for the lack of interest in the judging. It is some years
since spectators at the dairy ring side were so few. since spectators at the dairy ring-side were so few.
Whenever possible young men should plan to toattend one
large show each year large show each year and watch the judging of theii
favorite breed, in order that they may see the type and conformation, of animals that win. They can then breed with a definite aim in view. The show sets the
standard for type, and type and production cannot be standard for type, and type and production cannot be
separated. The heavy producers that can also win in strong competition command the high prices. It is
always interesting to watch the judking of the herd and always interesting to watch the judging of the herd and
group classes, and to study the relationship of one anitheir individuality on their progeny more pronounced
than do others than do others. In some cases the young stuff resembles
the dame more than the sire. Some choie animat the dam more than the sire. Some chioce animal
throw inferior stock, and vice versa. It is well for the
breeder to note these things, and no place can they be seen so clearly as in the show-ring. Some of the herds this year were well graded and showed unitiormity wint
others showed ouite a difterence in type. The show-ring is the stockman's school, and the value he recelves de pends upon himself whether he be spectaty or study

Holsteins.-The Black and White breed was as strong numerically as the other two dairy breeds com-
bined, there being 140 animals brought out. In all but one class there was competition for all the prizes, and as many as sixteen animals appeared in one class as it was last type and conformation was not so markeq strong, robust individuals tending a little to ooarseness and the finer-framed, high-quality animals which mad judging a difficult problem, as there was evidence of
heavy production in individuals of both types. It is regrettable that judges of Holstein cattle are not agreed on these important points. It is necessary for the wefare of the breed that a standard type be set and adhered to by the judges. It is confusing to breiders and spec while the following year quality is the long suit. The judge of the Holsteins had heavy classes to place this year, and while on the whole his work was satisfactory cipher out why certain animals were placed as they were If time would permit a judge to give reasons while the exhibitors were in the ring the shows would have greater
value. Breeders would then know the weak their animals and all would be better satisfied. The decision of a judge means a lot financially to breeders A winner and its offspring usually find a ready market. The classes for three animals, the get of one sire, and the power of prepotency. Some were of the same build and type, while others showed considerable difference,
J. M. Trueman, of Truro judged Seveman, of Truro, judged.
for aged bulls it it wamed animals responded to the call and quality being wall particulariy strong class; type engeryeld, the grand champion at Toronto and Lond last year, again headed his class and was good enough to developed considerably during the year and appeared in excellent form. He is a well-balanced animal, with appearance attracts attention the moment he comes into view. Bonerges Hartog, exhibited by J . Telfer, is no mean individual and defeated Sir Belle Fayne, the one-
time champion, for second place. He is alo
He bodied bull with strong constitution and good quality Sir Belle Fayne has lost some of his bloom, but he has the quatiry and character of a good dairy bull. Very He has excellent quality and form, but had barely the scale of some of his competitors. similar in conformation, depth and thickness. Both were well proportioned, and if they had been marked the same it would have been hard to tell them apart.
Plus Inka Artis was given the preference, as he was trifle smoother and a very stylish animal. Smithdale
King Colantha was a close second Prince Col King colantha was a close second Prince Colanthus petitors and was scarcely as well balanced. However,
he has every appearance of a right good animal There were ten conmpetitors in the yearling class as all were not of the same type. Sir Douglas, a very well-proportioned calf, with straight lines and strong
constitution, was placed first, with King Sylvia Keyce a little finer quality bull but not showing as strong De Kol Ormsby, a smoot high-quality indivod King funish the capacity of the others. He had a satiny finish and was considered good enough to polace at the
top in a special class for junior yearlings. Then in the
final analysis he secured the junior championship. In fourth and fifth places were two big, strong, capaciouid
bulls for their age that were fairly smooth and had quality and dairy type combined. They would not
have looked out of place higher up in the line There was a fine showing of senior calve which were defeated will yet be heard from Fayne Alcartra stood first. He is a straight. King youngster, but had not the finish of some of the other The second-prize calf, Prince Keyes Mercena showerd
superior quality and finish but was considerably smolled superior quality and enish out was considerabby smaler.
He is a well-moulded youngster and would not haie looked out of place at the head of the class. Tayne Artis Ormsby, a little plainer calf, with barely the sale
of the winner, stood third with Master Pa of the winner, stood third, with Master Paul Canary,
deep, thick-bodied, rugged-constitutioned deep, , minh-boaiec, rugged-cing a little rough over the
He might be faulted for being in shoulder, but he had that masculine appearance that is wanted in a bull.
Fifteen strong, growthy youngsters lined up in the junior class. Axie 4th Fayne was frinally placed fhe the
He has size and quality combined. Little fault conld He has size and quality combined. Little fault could
be found with any of the entries in this class. Seven aged cows in various stages of lactation made
fairly strong line-up. The maiority of the entries a fairly strong line-up. The majority of the entifies
had been longer in milk than the entries in had been longer in mike than the entries in this class
were last year consequently those with large distended udders were in the minority. However, the uddern showed the quality and conformation that goes with heavy production. Ladoga Idoline Vceman was placed she gave every indication of still going stro nine months, She gave every indication of still going strong at the pail the quarters appeared to be uniform and well developed. The veining was quite pronounced. While she was not had scale and capacity, with splendid finish.' Her brigh cow. Jess and Emma Pauline De Kol, stablemates, were a little longer throughout than the winner and were
in a litte better bloom. They both had very well. shaped udders, alt though not so large as that cerried by some others. The teats were not so correctly placed as
dairy dairymen like to have them. The latter cow had her, nevertheless she would not disgrace the best herds. In fourth place stood Beauty Pietertie Mechthitide a cow which has been fresh only a few days. While this
gave her a full udder which was well balanced, it tended to give her a somerhat shallow appearancee as shemad had
not regained her normal shape She is a strong-framed cow, with not quite as fine quality as those placed above her. The other entries had plenty of quality and finish
but had barely the substance and udder development of the winner.
Two distinct
old class in milk, and Canary Mercent in the thre- Hartorer the cor with greatest substance and strength, although tend She havards coarseness, was decided on for the winer. Spe hact the capacity and udder development for heary
production, but she was not as breedy a looking cov os
those pos those placed below her. Her head was a trife plaini.
Elmate Changeline Pearl, a breedy, well-fited colm with fine quality and well-balanced udder was second
She had scarcely the denth of the winner Fine.fled cows of excellent dairy type, but that could stand moire spread and scale, were third and fourth. The fifth cow was not in condition and was a little tucked up at Queen Ly Lys Schuiling, first in the twoyeraold
class in milk, was a breedy, fine-quality heificr wivh a class in mik, was a breedy, fine-quality heiticr with a She was fairly deep and thick at the heart but wauld le the better of more depth of rib. While the indications Aapgie Wayne Vincent, an attractive, well-propoptioned heiter with character and quality indicated at every
point was second. She carried a splendid udder for
heifer, and it was attached high behind and extended


Chapmanton Heany



THE FARMER'S ADVOCATE.

There was considerable difference in the ages of
the three bull exhibited in in the aged dlass.
onaniss
 masculine appearance, was placed first ow ownt to his age, he was not als stajaries con formation for a sevenyearold. Brampton Nobe Heroi a younger animal
of reoconized Jersey tye and buid with a strong too of reognized Jersey type and build with a strong top
 three year-0ld, in third.
Two toperes were out in the yearling class. In act,


place tiad size anc quazesy. the Eight senior calves made a solendid showing. At
 The high-water mark of of hhe Jerese extibit appered Hhen the aged cows were led dite ter end andey were an exuception mully goord thray som pattern and pelpesented
 venty-balanced, wel-developed udders atracted at-
tention There were eight cows in the clase Each
The appered in about the esame stage of lactation and with udders that extended well up behind and forward on the
body. There was nothing penduluous about them; body There was nothing pendulous about them;
the fore quarters were comparatively as well developed
 Aatt, and fair-sizededeats were evenly spaced and well
placed dhareter and quality was plainly in evidence in each entryy Brampton Oxtord Vixen, a cow not quite
as forward in flesh as some of the others, but with

 Biright Antio, a smooth indivivual in high fit and carrying ar particularly evenly-developed udder, in third
Beiore the judge finally gave his decesion on this class fie cows were milked out in order that
of the udders could more reacily bee oompared.
 and beautiful Jersey form wat' the winner. She had a
wondertul udder fore and aft. Her stablemate a aww of much the same build and quality, was shird, with Fairy Boy's Lidy Spanker, carrying an udder patierned
ater the winner, in second. The three-vear-old class atrer the winner, in seoond. The three yeroold class yere not all in the seame orm, as some were nearer
Ireshening than others.
Brampton Autotone, the

 Her tyee and oon or oration might well te kepen in inimd
by those starting in the breed. Her stablemate, Bramp.






 Aut otone, a breedy heierer with capacity and constitutution, ut barely the quality of udder, in third. but they showed splendid type and high haunirity Itre In
another year or two sone wiil undoubtedly develop nto toppers. Bramp tome Bright trene, teatedy develiop thick, ov-set heierer showing a great Iuder was first
of hthe seniors, and Brampon Golden Lass headed the juniors. junior champion female was found among the
 Brampoton Princess Agat tha ast he winerer. Exhibitors. - John Pringle, London; B. H. Bull \& Son Brampton; A. T. Litite. Londoon, 1 , Bull \& Son, on







Brampton Bright Irene; 2 and 3, Bull \& Son, on Bramp-
ton Gertrude and Redver's Pet; 4, Little, on Hazelden ton Gertrude and Redver's Pet; 4 , Litte, 1,2 and 4,
Pallas Fancy. Heifer, junior yearling, (4): 1,2
Bull \& Son, on Brampton Golden Lass, Brampton Burma Girl, ond Brampton Miss Clarice: 3, Pringle, on Bou'll Do Bowlina. Heifer, senior calf, Bosebud, Brampton Gipsy Maid, Brampton Silvery Sultana, and Brampton Hop Scotch. Heifer, junior calf, (6): 1,2 and 3, Bull
\& Son, on Brampton Princes Agatha, Brampton Viola \& Son, on Brampton Princess Agatha, Brampton Viola
Wolseley, and Brampton Bright Myra. Three animals, Wolseley, and Brampton Bright Myra. Three animals,
get of one sire; 1 and 2, Bull \& Son; 3, Pringle. Two animals, progeny of one cow: 1 and 2, Bull \& Son. Graded
Herd: 1 and 3 , Bull \& Son; 2, Pringle. Junior Herd: 1 and 2, Bull \& Son; 3, Pringle. Senior and grand
champion bull; Bull \& Son, on Bonnie's Perfection. Junior champion: Bull \& Son, on Brampton Beauty Junir. Senior and grand champion female: Little, on
Hein
Brampton Autotone. Junior champion female: Bull Brampton Autotone. Junior champio
\& Son, on Brampton Bright Rosebud.
Guernseys.-There was only one herd of Guernseys shown. C. Heaslip \& Son of Fenwick had twelve entries, mostly females. One yearling bull and one bull
calf represented the male sections. Guernseys are not calf represented the male sections. Guernseys are not
numerous in Canada, but are popular in the United States where the breed reaches toward perfection. They are larger animals than Jerseys and fairly high testers.
Some of the animals shown at the National were typical Some of the animals shown at the National were typical
representatives of the breed and the young stuff was representatives of
strong and growthy.

## Fat Cattle.

It is not customary to see a very heary exhibit of time of year at which it is held. At the event just closed there were seven diferent line-ups averaigng
around four to the class. There were four entries of two export steers and five entries in herd of steerss,
tmaking fiteen indivivuals in the latter class. Rusell's


 and just as attractive a bulock in many ways. Leask
led out his best teer in the iunior yearling class. He led out his best steer in the junior yearling class, He
was smooth and deeply feshed. He we wen the class,
,ut not the championship, or the Russell senior yearling was procliamed champion over all. This winning steer was
a straipht, good-quality individual and frmiy feshed, a straight, goo- quality indivaual and onmy thench yet he sid heve been a little better just in front of the loin.
Shauld
 $\&$ Sons, Galt: Jas. Leask \& Sons, Seagrave: Prithard
Bros








Packham \& Sons, Caistor Centre; A. \& W. Whitelaas,
Guelph; John Kelly \& Son, Shakespeare; Wm. Clarkson,
Weston, and Jas. Snell \& Sons, Clinton. Competionn Weston, and Jas. Snell \& Sons, Clinton. Competition
was keen and a fairly wide distribution of the ribbons was made. Whitelaw, however, had the two cham standing one

Awards.- Ram, aged: 1 , Snell \& Sons; 2, Whitlaw;
Kelly \& Son; 4, Packham \& Sons. Ram, shearling: 1 and 3, Whitelaw; 2 and 4, Kelly \& Son. Ram, shearling: 1, Snell \& Sons; 2 and 4, Packham \& Sons; 3 , Whitolk Ewe, aged: 1, Kelly \& Son; 2 and 3, Whitelaw; 4 , Snell
\& Sons. Ewe, shearling: 1 and 3 , Whitelaw ' 2 Kell \& Sons ; 4, Snell \& Sons. Ewe lamb: 1, Snell \& Sons; 2, Packham \& Sons; 3 and 4, Whitelaw. Champion ram and ewe: Whitelaw, on the shearling in both male and Sons; 3, Whitelaw. Open pen: 1, Whitelaw; 2, Snell Sons; 3, Packham \& Sons. Pen, Canadian-bredd 1 ,
Whitelaw; 2, Kelly \& Son: 3 , Snell \& Sons. Wethe 1 and 2, Kelly \& Son; 3 , Whitelaw.

Lincolns.-Herb. Lee, of Highgate, was confronted with no competition in the Lincol classes. His stock io other breeders from coming out against him at Toronto Competition here, as in the other breeds, would tend to create a greater interest, and Mr. Lee, we know, would welcome a struggle for his share of the honors in order
to enhance the interest now taken in the Lincolis. In enhance 1916 and 1917 there has been no competition. Let us hope that in 1918 this long-wool breed will rival the Shropshires.
Shropshires.-The Shropshires were not so striong numerically as in 1916, but it was an outstanding ex-
hibit of sheep. The shearling ewes particularly attracted notice for there were an even dozen in the lineup and all were in splendid fit. A dark horse in the person of Geo. D. Bretzer, Copetown, led out some good sheep and received a very, encouraging number
of red and blue ribbons. Shields' first-prize aged ram was champion, and Gurney, of Paris, was equally sucCessful with his aged ewe Exhibitors-J. W. Springstead, Caistor Centre;
John D. Larkin, Queenston; John R. Kelsey, Woodville: John D. Larkin, Queenston; John R. Kelsey, Woodville;
A. Shields \& Sons, Canfield; Geo. D. Bretzner, Cope: town; F. W. Gurney, Paris.
Awards.-Ram, aged: Awards.-Ram, aged: 1, Shields; 2, Kelsey; 3;
Springstead; 4, Larkin. Ram, shearling: Brey 2, Larkini 3 and 4, Kelsey. Ram lamb: 1 and 4, Bretzner; 2, Kelsey; 3, Larkin. Ewe, aged: 1, Gurney; 2, Kelsey; 2, Gurney; 3, Bretzner; 4, Larkin. Ewe lamb: , Bretzner; 2, Kelsey; 3 and 4, Larkin. Champion on aged ewe. Pen of lambs: 1, Bretzner; 2, Kelsey; 3 Larkin. Open pen: 1, Kelsey; 2, Bretzner; 3, Larkin.
Pen, Canadian-bred: 1, Kelsey; 2, Shields. Wether, 1. Kelsey; 2, W. E. Wright \& Son, Glanworth. Oxfords.- The Oxford was one of the strong breeds of the exhibit, showing from seven to nine in the bes \& Sons, and E. Barbour \& Son. The former were superior in the aged and shearling classes, while Barbouif won with the lambs. Arkell had both champions.
Exhibitors.-A. A. Armstrong, Fergus; E. Barbour \& ton Bros., Fergus. Awards.-Ram, aged: 1, 2 and 3: ArkeH \& Sons; 4, Awards.-Ram, , Rearling: 1 and 2, Arkell \& Sons.
Barbour. and 4, Barbour. Ram lamb: 1 and 3, Barbowll \&
and 4, Arkell \& Sons. Ewe, aged: 1 and 2, Arkil Sons; 3 and 4, Barbour. Ewe, shearling: 1,2 and 4,
Arkell $\&$ Sons: 3 , Barbour. Ewe lamb: 1 and 2, Barbours 3 and 4, Arkell \& Sons. Champion ram and ewe: Arkell \& 'Sons, on the aged sheep in both cases. Pen
of lambs: 1, Barbour; 2, Arkell \& Sons; 3, Armstrong. Open pen; 1 and 3 , Arkell \& Sons; 2, Barbour. Pen,
Canadian-bred: 1 and 3 , Arkell \& Sons; 2 , Barbourt. Wether: 1, Barbour; 2, Arkell \& Sons. Pen Po
lambs, either sex: 1, Barbour; 2, Arkell \& Sons. Southdowns. -The Southdowns outnumbered all other breeds, being superior to the Shropshire in taener, nor the quality of any higher order. The shearling ewe class numbered fourteen and the ewe lambs ten. MC. Springstead captured a red ribbon in the shearling ram class. Larkin showed some good sheep and made the
battle a close one throughout. McEwen's aged ram and shearling ewe were selected as champions. Caistor
Exhibitors.-J. W. Springstead \& Sons, Centre; John D. Larkin, Queenston; Hampton Bros. Awards.-Aged ram: 1, McEwen; 2, 3 and 4, Larkin. Larkin. Ram lamb: 1 and 2, McEwen; 3, Hampton Bros.; 4, Larkin. Ewe, aged: 1 , Hampton Bros.;
McEwen; 3, Larkin. 4 Ewe, shearling: 1, 2 and McEwen; 3, Larkin. Ewe lamb: 1 and 2, Hampton
Bros.: 3 3 and 4, McEwen. Champion ram and eve.
McFen McEwen, on the aged ram and shearling ewe. Larkin.
lambs: 1, Hampton Bros.; 2, McEwen; 3, Len Markin.
Open pen: 1, McEwen; 2, Hampton Bros.: 3, Larkin. Pen, Canadian-bred: 1, McEwen; 2, Spr Dorsets.-The majority of the red and blue ribbons in the Dorset classes were divided between Jas. Rington.
son $\&$ Sons, Hornby, and Cecil Stobbs, Leamin son \& Sons, Hornby, and Cecil Stobss, Leize winners.
Each had a champion among their first-prize Glanworth,
Other exhibitors were W E Wright \& Son, and John A. Orchard, Shedden. and John A. Orchard, Shedden. Stobbs; 2, Wright; 3,
Awards.-Ram, aged: 1 , Ram, shearling: 1, Robertson;
Robertson; A, Orchard. Ram
and 3, Stobbs; 4, Orchard. Ram lamb: 1, Robertson:
 and 2 , Robertson; 3 , 'Wright; ${ }^{4}$, Stobss. Ewe lamb:
1 and 3 , Robertson; 2 , Stobbs; 4 , Wright. Champion 1 and 3, Robertson; th, Stobbs; Charight. Champion

 son; 3, Wright. Pen, Canadian-bred. 1 . Robertson ${ }^{2}$ Wright; 3 , Stobbs. Wether:
Hamphire Down. Dright;
Hampshires entered by John Kelly \& Son, Shakespeare, captured a heavy percentage of the red ribbons in the classes for this breed.
Wilson, Milton, and Telfer Bros., Paris, brought out sheep that made the competition keen.
 Wilson. Rem amd 2, Kelly; 3 , Kand 4; 2 , Wilitier Bros.
 and ewe: Kelly, on the shearling in both cases. Pen

 Suffolks.-Hampton Bros., Fergus, and James
Bowman, Guelph, had a duel in Suffolk classes, with the Sowman, Guelph, of the forme
odst in favor
Awards. Ram, agem: 1, Bowman. Ram, shearling:
Hampton Bros. 2 and 3, Bowman. Ram lamb: 1 , 1. Hampton Bros.: 2 and 3, Bowman. Ram lamb: 1 ,
Hampton Bros.; ${ }^{2}$ and 3 , Bowman. Ewe, amed 1 , 1 , tampton Bros. 2 and 3 , Bowman. Ewe lamb: Hampton Bros. $i 2$ and 3, Bowman. Champion ram: Bow-
mant on the aged ram. Champion ewe: Hampton man, on the aged ram. Champion ewe: Happton
Bros. Pen of lambs: 1, Bowman. Bros; 2, Bowman. Pen, Canadian-bred: Bowman.
Cheviots.-This rather uncommon breed of sheep n this country was represented by six entries brought
forward by Cecil Stobbs, Leamington.

## Swine

While the swine exhibit was a good one it was in no
ay a credit to the Canadian National or the swine way a credit to the Canadian National or the swine
industry of this country. There were too many empty pens and too few new exhibitors coming out. The and high price or bacon, the sacraity of, feed and the
shortage of labor are sufficient reasons why an improvement was not expected this year; but when conditions get back to normal, attention should be directed to this
branch of the live stock exhibit and a greater effort branch of the live stock exhibit and a greater effort
made to brighten up that particular corner. Berkshires.-Three exhibitors were found in this breed, namely; John D. Larkin, Queenston, P.W.Boynton \& Sons, Dollar, and Adam Thomson, Stratford. The
awards made by Prof. Geo. E. Day, Guelph, will indicate the success of each one.
Awards.-Boar, 2 years and over; 1, Larkin
(Champion) 2 , Thomson;
and under 24 , Larkin. Boar, 18 , Lorking and under $24: 1$, Larkin; 2 , Boynton; 3, Thomson.
Boar, over 12 months and under 177 1, Thomson; 2 ,
 honths: 1, 2, 3 and 4, Larkin. Sow, 2 years and over; 1, Thomson (Champion); 2, Boynton; 3, Thomson; 4,
Larkin. Sow, over 18 months and under $24: 1$, Thomson 2, Boynton; 3 , Larkin. Sow over 12 months and under $18: 1$ and 3, Thomson; 2 , Boynton; 4, Larkin. Sow over
6 months; $1,2,3$ and 4 , Thomson. Herd: 1 and 3 , Thomson; 2, Boynton; 4, Larkin. Litter: 1 and 2,
Thomson 3 , Yorkshires., Johnile Duck, Port Credit; J. K. K. .
Featherston Streetville Jacob Lerch, Preston and J.
E. Brethour \& Nephews, Burford; were the exhibitors in the Yorkshire classess, The greater part of the prize money went to brethour and Duck. D. C. Flatt,
Hamilton, made the awards.
Awards - Boar, 2 years and over: 1 and 4, Duck; Awards. Boar, 2 years and over: 1 and 4, Duck;
2, Lerch; 3 , Featherston Boar, over 18 and under 24 months: 1, Brethour (Champion); 2, Featherston: 3 and 4, Duck. Boar, over 12 and under 18 months: 1 ,
Featherston; 2 and 4 , Duck; 3 Brethour. Boar, over ${ }^{6}{ }^{6}$ and under 12 months: 1 , Duck; 2, Featherston; 3 and 4 , 4, Duck. Sow, 2 years and over: 1, Duck (Champion); 24 4, Featherston; 3, Duck. Sow, over 18 and under over 12 and under 18 months: 1 , Brethours; 2 and 3 , Duck; 4, Featherston. Sow, over 6 and 4 under 12
months: 1,3 and 4, Brethour; 2 , Duck. Sow, under
 Brethour; 2, Duck; 4, Lerch. $\xrightarrow[\text { Tamworths.-D. Douglas } \& \text { Sons, Mitchell, }]{\text { Carried off the lion's share of the ribbons allotted to the }}$ carried off the lion's share of the ribbons allotted to the
Tamsworths. Charlie Boynton, Dollar, had the firstprize boar over 1 and under 2 years, as well as the second-
prize boar over 6 and under 12 monts. prize, secured second prize on aged boar, and fourth
prizes sow under 6 months. In all other cases the German, St. George, placed went to Douglas. Herb. Whester Whites. In the Chester White exhibit ful. Againts \& thens, Peterborough, were most success-
Mitchell and them Were sowing D. De Coursey, Flatt and Proof. Day were the judges.
Awards.2, Wright; 4 , Dear, 2 years and over: 1 and 3 , Roberts;
years: 1 , Roberts. Boar, over Roerts; 2 and 3 , De Coursey; 4 , Wright.
(Champior); 6 and under 12 months: 1 , Roberts Champion); 2 , Roberts; 3, De Coursey; 4, Wright.
Boar, Under 6 months: 1 and 2 , Wright; 3 , Roberts; 4 ,

De Coursey) Sow, 2 years and over: ${ }^{1,}$ Roberts
(Champion); 2 , Wright; 3, De Coursey; 4, Roberts. Sow, over 1 and under 2 years: 1 , De Coursey; ;, Wright
3 and 4 , Roberts. Sow over 6 and under 12 months: and 2, Roberts: 3, De Coursey; 4 , Wright. Sow
under 6 months: 1 and 2, Wright: 3 . De
 Coursey. Liter: 1 and 2 Wright; 3 , Roberts. , breeds usually compete together at the Canadian
National and often at other fairs. If the authorites in whom in vested the destiny of the various breeds, desire to see them encouraged why not give each a
separate class? Such a system as now exists permits
them to live but offers no assistance II Ithe awe
 separate classes and one breed does not come forward
in sufficient
the to respond cut out both classes. Such both breeds fail more consistent than the present one. The list of
expibitors in these two breeds included Culbert Malott,
Wheatley in Wheatley; Malote \& Stobbs, Leamington; and Geo. G. Gould, Essex. William Jones, Mt. EEsin , made. the
awards. The champions in both cases were Durocs. (Chamaris.- 2 Boar, 2 years and over: ${ }^{1}$, Malott, Cver and under 2 years: 1 , Malott: 2 , Malott \& Stobbs;
3, Gould. Boar, over 6 and under 12 months: 1 , Gould 1, Malott; 2, Gould: 3 Malott $\&$ M , under 6 months: years and over: 1 , Malt (Champion) 2. Malotr 3, Malott \& Stobbs. Sow, over 1 and under 2 years:
1 and 2 Malott: 3 Malott $\&$ Stobbs Sow over 6 , and under 12 months: 1 and 3 3, Malotote \& Stobbs; 2 , Malott: Sow, under 6 months: 1, Gould; 2, Malott;
3, Malott \& Stobbs. Herd: 1, Malott; 2, Malott \& Stobbsi 3, Gould. Hos. Export Bacon Hogs.-Featherston's best pen of
bacon hogs gave the eromise of bacon hogs gave the promise of hanging up as good a
carcass as any in the class. They were not, however, quite so smooth and uniform as some of the other entries. The decisions were based largely on smooth-
ness, type and uniformity. Brethour got the first ness, type and uniformity. Brethour got the frst and
second prizes, John Duck was third, and Feathersto sourth and fifth. The winning pens were all York-

## Cheese and Butter Exhibit

dairy productsces and the represented in the exh ernibit of
dairly well distribaited. Ontario cheesemakers usually come to the
front but butter to the other provinces in the past years. This has This year Ontario butter made a more favorable showing. which goes to prove that first quality butter can be made in the old province. The Western Provinces
and Quebec may expect more strenuous competition in and fuebec may expect more strenuous competition in
the future as Ontario buttermakers have nointention of staying in the rear. Ontario has been a little backward in adopting the grading of cream and butter, but she will
catch up to her more agressive sisters. There were 180 exhibits of butter, which was hisher than in the past and the quality on the whole was "Extra". The section for June butter was filled and scored high
The score for all but August make was ont makers. pre score tor alir but August make was on a par with
previous exhibits. Unfavorable weather conditions were responsible for August cheese scoring slightly
below normal. There were
289 entries. The scoring was done by Wm. Gray, Strattord, Jas. Bristow, St, scored by J. B. Muir, Ingersoll, Mr. Butter was Hyacinthe, Que., and Mr. Thacker, Miontreal.
Cheese Awards-June colored ( 28 entries): 1 , W.T. Ont., $95.00 ; 3, \mathrm{~A} . \mathrm{J}$. Cameron, Cornwall, Ont., and D. A. McDonald, Summerside, $94.99 ; 5,{ }^{\text {A. H. Hammond, }}$
Moorefield, 94.98;
, Geo. Empey, Atwood, Ont., Moorefield, 94.98; 6, Geo. Empey, Atwood, Ont.,
94.83, (on favor); Ti. W. Morse. Strattord, 94.83 ,
L. Lavoi, Rimouski, Que., 94.66. July colored, ( 85 entries): 1, H. Hammond, $95.83 ; 2$, Geo. Empey, 95.81 ;
 Palleson, Calgary, Alta., 94.99; 8, Woodland Dairy,

 Oliver, $95.99 ;$ 6, E. Laflamme, South Durham, Que.,
$95.83 ; 7$, E. E. Chaffee, 95.66 ; 8, A. Lavoie, Metabetchonan, Que, 95.49 . July, white, $(52$ entries):
W. Morse, $97.82 ; 2$, W. T. Oliver, $96.16 ; 3$, J. E. Koch Palmerston, 95.83; 4 and 5, H. Hammond, H. J. Neeb,
95.66 , 6 . E. Houde, Ste. Anne De La Puade Nue 95.66; 6, E. P. Houde, Ste. Anne De La Puade, Que
95.49 (won on flavor); 7 , B. F. Howes, West Monkto


 Ont., 94.16. Ausust, white ( 52 entries): 1, W. T. Olive 96.99 ; , E. Lafamme. $96.65 ; 3$, W. Morse, 96.32 2. 4,
H. J. Neeb, $95.66 ; 5$, H. Hammond, $95.66 ;$; F. Labbe St. Bruno Lac. St. Jean, $995.33 ; 7$, J. P. P. Cox, 95.32 ; 8. L. H. Schneider, Gad's Hill, Ont., 94.99, Cana-
dian Stilton,
 Empey, 94.16:5, Connolly Bros., Thamesford, 93.82
Canadian Flats, $(34$ entries): 1 H. Hammond, $95.83:$ Canadian Flats. (34 entries): 1, H. Hammond, $95.83 ; 2$,
H. J. Neeb, $9.66 ;$, W. Morse, $95.16 ; 4$, Woodland Dairy, 94.83; $5, \mathrm{~J}$. W. Robinson, 94.66. Silver cup
to exhibitor making highest score W. Mrse. Specials
cheese, 1, W. T. Oliver; 2, W. Morse; 3, H. Ham-Butter.-Creamery, solids, salted, (50 entries) 1,J.R.Almont, Silverdale, Ont., $97.66 ;$; ', L. Castonguay,
St. Edouard, Oue. $96.82 ; 3$, Coter $96.50 ; 4$, E.' Fauche, St. Fiavieu, Que., $96.49 ; 5, \mathrm{M}$


 3, Geo. H. Carter, Moosomin, Sask., 96.99; 4, J. A
Allane, St. Roch, Que., $96.83 ; 5$, C. Lemay, Ste. Henedine , Edmonton City Dairy 06 Toronto, Ont., 96.33 . Creamery, solids, June make 34 entries:I, A. Peletier, St. Georges, E. Que., 95.66
2, J. R. Almont, 94.49; 3 , L. Castonguay, $94.49 ; 4$, A Fournier, Gentelly, Que, 94.16 ; 5, E. Fauche, 99.15 Port Dover, Ont.; 93.99; ; ', C. Lemay, 93.98. Mream Alta, $96.13 ; 2$, Carlyle Dairy, Calgary, Alta. Inisfor.99; 3, Geo. Neilson, Red Deer, Alta., 0.59 ; 4, W. B. Medd,
Woodham, $95.99 ; 5$, M. Weir $95.83: 8$ W . Noodham, 95.99 i 5 , M. Weir, $95.83 ;$, 6 . P. Palleson,
$95.82 ; 7, \mathrm{~J}$. A. Allane, $95.82 ; 8, \mathrm{~J}$. R. Amont, 95.33 . arm Dairy Ont., $92.49 ; 3$, Mrs. A. Wallace, North Gower, Ont.

 Terrill, 90.49 ; 4, Mrs. A. Wallace, $90.48 ; 5$, Ruth Patton, Mrs. Jos. Britton, Uxbridge, Ont., ${ }^{2} 2.99$; 2, Mrs. A. Wallace, $92.48 ; 3$, Mrs. ${ }^{\text {F. }}$. Fenwick, 91.99 , 4, Mrs.
Armstron
Brussels, Ont., $90.82 ;$
5, Armstrong, Brusels, Ont., $90.82,5$ Wm. Clarkson,
90.32. Callenge Trophy warded to the maker of highest scoring creamery butter, J. R. Almont. This
trophy becomes the permanent property of Mr.Almont, he having won it three times.
Specials- 1 , L. Castonguay, $96.57 ; 2, \mathrm{M}$. Weir, 98.16; 3 , J. R. R. Almont, 95.88 .

Grain, Sheaves And Vegetables;Field Grop Competition. Field Crop Compectitions of the Agricultural Societieties of Ontario in the Goverrment Building at the Canadian
National Exhibition, Toronto, were the best of the many fine displays held since their inception a few years apo
The exhibit occupied one side of the centre of the build ing, and on the opposite side was the splendid exhibit of vegetables from the Field Crop Competitions conducted
by the branches of the Ontario Vegetable Growers' Asby the branches of the Ontario Vegetable Growers' As-
sociations. Both these exhibits were in charge of
.
 Sheaves.
Oats.-Division 1:1, H. L. Goltz, Bardsvilles 2 ,
letcher Walker, Royston; 8, L. D. Riley, Millord Bay; Fletcher Walker, Royston; 8, L. D. Riley, Millord Bay;
4, B. Laycock,' Gravenhurst. Ketcheson, Bellevile, R. R. $2 ; 2$, 2 , M. Boyd Co., BobCaygeon; 3, Garfield Kennedy, Bobcaygeon; 4, P. S.
McLaren, Perth, R. R. 2. Division $3: 1$ S. W. Bingham \& Son Hillsburg R. ${ }_{R}$. Division 3: 1, S. W. Bingham R. R. $1 ; 3$, Geo. Erwin, Simcoe, R. R. $4 ; 4$, Estate of Spring Wheald, Bradford, R. R. Walter Galbraith, Renfrew, R. R. $3 ; 2$, Peter Wilson, Cobden, R. R. 3 ; , A. Johnston, Cobden, R. R. 4; 4, Sam McLaren, Fall Wheat.-Division $2: 1$, D. Hetherington, Bobcaygeon, 2, H. R. . Seymour, Bobcaygeon; 3, Arch, Galt, R. R. 7; 2, Hisiborn, New Dundee, R. Re. H. R. R. $2 ; 2$, H. J. Gay. Frankford. Division 3: 1, E,
Readhead, Milton, R. R. $2 ; 2$, Jas. McDowell, Hornby. grain.
Oats.-Division 1: 1, H. L. Goltz, Division 2: 1 , Thos. Sellers, Zephyr; 2, G. W. Keyes, Wolfe Island,
R. R. 2; 3, P. S. McLaren; 4, E. C. Abbott, Frankford, R. R. 3. Division 3: 1 , Geo. Erwin; 2, Leslie Kerns;
Freeman, R. R. $2 ; 3$, Robt. Wilson, Jarvis, R. R. 1 ;

4, W. H. Mason, , , aterford. 2: 1, D. Hetherington. Fall Wheat--Division $2: 1$, D. Hetherington.
Division 3:3, Wm. Johnston; A, Alex. Hall, Ayr, R. R:3.
Barley.-Division 3: 4, Jas. Mco vegetables.

## Potatoes: 1, T. K. Aymer, Humber Bay; 2, W.

 Trott, Londen; Strathroy; 5 , G . W. Bycroft, London, Weston, R. R. 2 . C Aymer Humber Bay; 2 , Aymer; Tomatoes: 1, C. Aymer, Humber Bay; 2, T. Aymer; Cumming's reveste, Humber Bray; ${ }^{4}$, Jo. Jo. McMullen, Onions: 1, C. Aymer; 2, F. F. Reeves; 3, Tizzard Bron,. Humber Bay; 4, T, Mulliaan, Haerbord, OOtawa;5, Jas. Danridge, Humber Bay; 6, Wm. Trick; 7 , Geo. Bridges, Sarnia, R. R. 1.
 4, A. Bell, Humber Bay; 5, R. Sanderson, London, R.
R. $7 ; 6$, Art. Carton, Lambton Mills 7, C. J. Leaman, Todmorden.

The Great Eastern ExhilhitionSherbrooke.
The weatherman in a decidedly unsettled state of mind frequently giving vent to his overflowing tendencies
of 1917 in the Eastern Townshins district did not an or arently put ear in the the mind of the public. Wednessday,
pate parently put fear in the mind of the public. Wednesday,
the only respectabe day of the entire wek, sav. the
city of Sherbrooke, Que., and exhibition grounds thronged city of Sherbrooke, Que, and exhibition grounds thronged
with poople The exhibits in most cases were decidedly with poople. The exhibits in most cases were decidedly
creditable, especiall was that true of tha riry cattle
sheep and some of the horse classes. The race track creidabere especially was the true of thary cattee
sheep, and some of thore classes. Thact track
acting in adual--urnosecaracity, as it does, accommo acting in a dual-purpose capacaity, as it does, accommo-
dates, each afternoon, a very important feature of the dates, each alternoon, a ver
show, the live-stock parade
The following names, appeared on the list of judges
dam Scarfe, Cumming's Bridge, Ont., and Mr. Tisdale
 Brattleboro, Vt., Mr. Gilmore, St. Abans, Vt, , and Dr
Watson, Hudson Heights, Que., on light horses; F Mallory, Frankford, Ont., on Holstens; A. Cains Byron, Ont., on Ayrshires; Prof. Barton, Macdonald
College, on Jerseys, Guernseys and Brown Swiss, Mr Thouñ, Three Sivers, on French-Canadians; Johnstone, Stanstead, on on beef canctl- and andians;
Mrades
MacMillan , Macdonald College MacMillan, Macdonald Col
Rothwell, Ottawa, on swine.
Rothwell, Ottawa, on swine.
The exhibitoss of light horses put up a strong show-
ing in the harness classes. Miss Viau, of Montreal, was exhibitinn as usual inses high stepepers, also Mr. Jamie-
son, of Lennoxville. Mrs. Jamieson made a beautiful oon, of Lennoxvile. Nry. Jamieson made a beautiful display in the many pony classes. The roadster classes,
both singles and doubles, wer well filed, and the eudges
who had previously acted in Sherbrooke considered them who had previou
unusually strong

## Clydesdales.-The veteran exhibitors who turned

HEAVY HORSES. out this year were W, Nussey and R. Ness \& Son
Howick; S. McGerrigle, Ormstown; The Brompton Pulp \&, 'Paper Co., East Angust, Mr. Haslet, of Rich
mond and R. T. Brownlee, of Hemmingord oue mond; and R. T. Brownlee, of Hemmingford, Que.
In the imported section, Royal Cup by Siver Cup, In the imported section, Ryyal up by silver cup Son were second on Baron Stanley, by Baron's Pride
and Haslet, of Richmond, wor third money. The and Hatet, of Richmond, won third money. The
Brompton Pulp and Paper Co. won the three-year-old
class and Brownee was second Brownlee won the class, and Brownlee was second. Brownlee won the
two-year-old clas, and Ingram was second. In the cwo-year-old class, and Ingram was second. In the
threeyear-old mare class Ness \& Son were alone with
Woodside Lady. The Pulp \& Paper CO. wo year-olds; McGerrigle, second, and Nussey third
Ness won the yearling filly class, and J. Logan, Howick Ness won the yearling filly class, and J. Logan, Howick,
was second. McGerrigle won mare and foal and also whe Cecond ale Associtation money for imported mares,
thile Royal Cup ond Baron Stanley stood first and second respectively for their owners for imported horses
The Canadian-bred aged class brought out some The Chanalian-bred aged class brousht sione
 Paper Co. were third with a big, strong horse. Ness \&
Son won the two-year-old, and Nussey the yearling class. In the mare classes both three-year-old and two-yearold Nussey were firstand and Ness second, while McGerrigle
won the yearling class. Nussey won the mare and foal class. The Clydesdale Association money for best Canadian-
bred stallion was won by Ness \& Son, and Nussey lifted bred stallion was w
the female money.
In the teams and singles Ness stood first, and McGerrigle second in both instances. Royal Cup won the gold medal for best stallion, and Ruby Jen won the gold
medal for the best mare. Ness \& Son won the cup for the best string of ten animals
Percherons.- The exhibitors. were Milton Porter
Simcoe, Ont; I. E. Arnold, Grenville, Que.; Mr. Smiley ennox ville, Que., Chas. Lefebvre, Birchton, Que.; E Richmond
Porter was frrst in the eaged horses and afterwards
champion on Kodi. Haslet was second and Annold was third anding, and Lefefebvre was second -year-olds was frist in two-year-olds, Campbell second, and Smiley
third. The Simcoe stables also won the yearling class and Arnold was second. In mares Arnold won all the firsts as Porter did in horses. Arnold's aged mare
Rosaline, was first and Mr. Smiley's mare was second female championship with Margaret Idlefonse. Lefebvre
won seconid place in the class.
beef cattle


## DAIRY CATTLE.

In Ayrshires and Holsteins there was keen com
etition and all the classes were especially well filled that is even more true of the Ayrshires than the Holsteins the former slightly outnumbering the latter, and the local breeders deserve special mention for the improve ment in numbers, quality and show fit so evident in
not only the Holstein and Ayrshire but also the Jersey not only the Holstein and Ayrshire but also the Jersey
and French-Canadian sections. The dairy cattle ex hibit with the local men is becoming stronger each year The contributors to the Holstein exhibit were P. W
Faher N.B.: J. Alexander, St. Louis, Que.; L. Hebert, Marbleton, Que.: J. Clement, St. Esprit, Montcalm; Marsha
Miller, Brome Centre; W. J. Arbery, Genieve, Que J. Parnell, Lennoxville, and A. C. Page, Sherbrooke. The aged-bull class brought out the grand champion
male, Sir Faforit Schuiling, owned by Harding Bros. male, Sir Faforit Schuling, owned by farding Bros
who were also second; Faber won third on Blizz and who were also second Pater wornd Alexander fourth on King Segis Ruby
Sir Posch, and And
Walker. Harding Bros., won the two-year-old bull Walker. Harding Bros., won the two-year-old bul
section with Percilla Sir Posch; A. C. Page was second section with Percilla ir posch; A. C. Page was second A big, strong year class and afterwards was made iunio male champion. Parnell was second, Hebert was third
Both the senior and junior bull calf winners were shown Both the senior an
by Harding Bros
The winning aged cow, Clothilda Johanna De Kol later became the grand champion female, belonged to Faber. he also won third and fourth on Lyons Beauty Clothilda and Forest Inferno. Harding Bros. were second on
Faforit 7th Beauty. Alexander's Howick Pauline won Faforit 7th Beauty. Alexander's Howick Pauline won
the three-year-old class, Hebert was second, Faber the three-year-old class, the Harding Bros. won the younger female classes and junior female championship
on their yearling heifer Miss Mercena Schuiling. Young on their yearling heifer Miss Mercena Schuiling. Young
herds: 1, Harding Bros.: 2, Alexander; 3, Clement, Aged herds: 1, Faber with a uniform bunch of females, Harding Bros. were second with perhaps more first-prize practically all dry and of different ages, so naturally did not show to as good advantage. Alexander was third and Clement fourth W. H. Kay, Philipsburg; W. D. Parker; Compton Sta. Marie, Whitecomb Bros., and Phaneuf. Aged bulls.-D. T. Ness was first on Hillhurst Pereccond with Cherrybank Freetrader. Whitecomb
Pros, were third with a large, deep hull, and Cabana Marth. Cavers won bull two years old with Cheerful dasterpiece Mayobstand Masterpiece and out of a with Robin Hond of Fairmount. Phaneuf stood in
third place. Bull, one vear: 1 , Ness: 2 , Cavers; 3
Ness; 4, Parker. Rull calf, senior: 1, Parker on a very in dam and later won junior male championship; 2 , 2, Taylor; 3 , Kay: 4, Taylor.
In aged rows Taylor won with a deep, milky-looking cow iust about to freshen, Kingsley, Heights Lilly, with Ravensdale Lovely Rose. The erand champion frmale from the three year-old class, Ness ${ }^{\text {Edgewood Trim, }}$ a very typey
young cow with a nice udder and teats. Ness was also second in the class with Burnside Baroness; Cavers
third on his young Orange Blossom cow, and Kay ourth on Ravensdale Alice. Kay won in two-year Lady Mes; 2, Ness; 3, Kay; 4, Cavers. Heifer, one year calf: 1 , Cavers: 2, Ness: 3, Kay; 4, Ness. Heifer junior Ness won the cup for best display of dairy animals also the young and aged herd, while Cavers came second The Jerseys made
were few in number. Edwards and Alexander, of Hill hurst, won a large majority of the prizes and champion-
ships. Mr. Martin, of Warden, also made a good

The French-Canadian breeders made a stronger ex
hibit than usual. M. W. Power, M. P., St. Pacome
Oue carried off many of the honors. while F. Sal Que, carried off many of the honors, while E. Sylvester,
Clairvaux, and A. Denis, St. Norbert, in many cases
R. H. Libly, Stanstead; C. F. Standish, Ayer's
Cliff; and W. A. Jolly, Waterloo, each exhibited a herd
of Brown Swisc. Brown Swiss, making keen competition.
SWINE. In Yorkshires Mr. McCulloch, Sutton, showed a fine
herd, winning the diploma and silver medal for heat most creditable exhilhit of ssine, while Mr. Phelps,
South Stukelv, and M. Miller, Brome Centre, were also
exhihitors exhibitors. Mr. Martin, of Warden, did not have much
competition in Berkshires. The Chester Whites were
out strone. Fi. Svlvester, Clairvaux: M. Miller Brome entre, divided the honors. McCulloch won the ex-
pont bacon dass, Miller second, Phelps third, and

SHEEP

The show of sheep was particularly good this year.
The classers were all well filled and competition was keen.
A unmler of new cexhibitors were present, both from A uuml, of new whibhitors were present, both from
Ontario and Quebec, addling guch to the numbers and The medium wooled breeds were all well represented
except the Suffolks. Shropshires and Oxfords were

Ontario; Denis, Woodward and Balsam were heen
competitors. Denis secured the diploma for the best
exhibit. Baker was first and second in aged ewes. Woodward second in yearling ram and first in ewe lambs. tween Denis and Balsam, Sylvestre winning most of the third and fourth prizes. In aged rams Denis was first and Balsam second. Denis secured the diploma for the
best exhibit. The exhibit of Hampshires good as last year, either in numbers or quality of dis. play. Lyster Bros.' flock were not in their usual show
fit. Denis, Lyster Bros. and Balsam were the main fit. Denis, Lyster Bros. and Balsam were the main
exhibitors. Ayre, of Bowmanville, Ont., exhibited an excellent flock of Cheviots, carrying off the diploma and practically all the firsts and seconds. Mr. Sculley, of
Knowlton, Que., was a new exhibitor of Southo Knowlton, Que., was a new exhibitor of Southdowns,
but Ayre again carried off most of the honors, including but Ayre again carried off most of the honors, including
the diploma. The Dorset Horns were well represented The exhibit of long-wooled sheep was the equal of previous years. Allen Bros., Glaspell, and Denis exhibited Leicesters, Allen Bros. winning most of the
firsts. Glaspell and Denis divided the honors in Cots:
wolds, and Denis and Balsam in Lincolo

The Cars at Toronto Fair. Over the main entrance of the Transportation
building he who runs may read the words "Road, building he who "runs may read the words "Road,
Rail and Water," but a tour of the interior proves conclusively that in so far as this department of the grest
Canadian National Exhibition for 1917 is concerned the Canadian National Exhibition for 1917 is concerned the word Road alone is necessary. In the early days this vances indicative of forty different systems of travel: now the automobile is an undisputed king. Perhaps few people realize the importance of the Toronto Fair
to the motorist. We can emphasize its tremendous value by stating that the auto displays constitute the Only national show of such a nature in this Dominion. The exhibitions that come along the first of each year in Montreal and other pointsare not to be discounted, but
Toronto's show, timed as it is for late Ausust and early September, catches the auto manufacturer ready for his first display of new models. Most fiscal years with car makers end in midsummer, and following them every
effort is concentrated upon the production of new stuff. So much for the magnitude of the auto array at Toronto. We can sum up the innovations produced by the 1918 motor cars in a few words. Bodies do not present designs are still with us in all their stream-assenger It is interesting to note that the one great manufacturer who still clung to the rough, angular type has at last construction. The roadster bodies of two and threepassenger design and of fleur-de-lis and clover-leaf
pattern are still with us and there is what has been named a "duplex" which contains two seats accommodating two each and reached by separate doors. ity. It will exactly meet the ideas of those who at mes desire company but who upon other occasions are equally anxious to drive alone without carrying
along a lot of vacant passenger space. Closed cars dre being made with stationary tops. The styles that folded back do not figure very largely any more. The windows in the models are removable and so tourists
are able to secure all the fresh air and ventilation possible. Body colors of flashy conception have practically disappeared and in their place we find the old reliable blacks, dark blues, deep maroons, and heavier shades.
Motorists have come to nealize that the best wearing olors and those that they do not tire of quickly are, so the return of bright, livid hues is far distant. what amazing taking on a dash of new life that is somewodies were to be dark that the wheels should be light. At any rate the artillery as well as wire designs are in many instances finished in yellow, white, grey or some ther lively hue. We believe this innovation should spinning of clean-looking wheels. Fabric tires still preponderate although the more expensive and heavier machines have been equipped with corded ones. It certainly outwear the fabric makes, but the former cost more. In the end it would seem to be a simple case of getting exactly what you pay for
Engine specifications have not b Nearly all the standard makes been altered appreciably. tions. One famous manufacturer has added an eighit cylinder to his line but he seems to be the exception aith last year to the valve-in-head type are standing firm for next season, and the same is true of "L" and "T" ing more and more vogueish has impelled, or at least the running of the eompanies towards super-heaters, the intake pipes. Then, too, clutches have in many cases been made easier of operation, and gear shifting
robbed of exasperating almost universal and oil gauges will soon be equally so. inevitably meet with mopere attention to cooling mast
Radiators are getting larger, water pumps more numerous, hose connections
freer from cumbersome construction and jackets simpli.
fied. These are all steps in the right direction as everyhed. These are all steps in the right direction as every.
This is a record year in the growing of potatoee in
the United States. The crop is estimated at $407,000,000$ bushels, being 47 millions more than the record crop of
1912 .

September 6, 1917
THE FARMER'S ADVOCATE
Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending August 30.
Receipts and Market Tops.
Dominion Department of Aqriculture, LLvo
CATTLE Top Price Good Steers


Montreal (Pt. St. Charles)
Montreal
Winnipeg
Calgary...

| Toronto (Union Stock Yards) <br> Montreal (Pt. St. Charles. <br> Montreal (East End) <br> Winnipeg <br> Calgary.. |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |

## Market Comments.

oronto (Union Stock Yards). The cattle receipts for the week totalled seven eight hundred were on the market
forty-et on Monday. Many of the cattle which wer received over the week end the balance of hey were mostly from Eastern Ontario points. During the week and brought rom \$11.50 to $\$ 12.60$ per hundred, one
load from Wingham, Ontario, of thitteen hundred pounds each, bringing the latter
price, while another good load sold at
$\$ 12.50$. Also three loads of this class
were shipped to New ork during the
week. Good butcher sters weighing
week. Good fromsand to eloven hundred
pounds sold from $\$ 10.25$ to $\$ 11$, with
pity Light handy butcher steers and heifers Light framdy $\$ 9.25$ to $\$ 9.75$ per hundred for
sold from good quality; those of medium grade
ranging from 88.25 to 89 per hundred. Common cattle were weighed up at from
$\$ 7$ to $\$ 8$ per hundred. Cows and bulls were about steady at last week's quotaMions, with
quality in these classes.
conners and
and cunters sod. Stockers and feeders were on hand in liberal numbers. Many loads of
Western Canadian steers were in the alleys and fairly heavy shipments went
O Ontario points. A few loads were shipped to the States, while some soing to the kining pens. $l$ walves we
selling at steady values all week, wit
choice veal realizing $\$ 15$ per hundred, an extra good quality $\$ 15.50$; the bulk, ho Lamb receipts were moderate for the
week and prices remained fairly stationary, with the bulk selling at perhaps
25 cents lower on Monday, but this was dosed at quotations on a level with those prevailing last week.
A report of an embargo being placed on Canadian hog products by the British
Food Controller, together with a weakness developing on the American markets hought hog prices down $\$ 2.50$ per rather serious losses to certain drovers. n the Monday market, but during the was paid for the bulk on the closing mar The total receipts of live stock at the Yards from January 1st to August 23 rd calves, 32,379 sheep, and 291,544 hogs; 50 pared to 100,017 cattle, 32,141 calves, 50,090 sheep and 280,020 hogs, received
during the corresponding period of 1916 . Montreal.
over thirty-five hundred head, was on over thirty-five hundred head, was on
hand at the Montreal markets during the
week. ing was active, and while quotations were reduced anywhere from 25 to 75 cents per
hundred on most of the classes, the lower quotations were due rather to lack of quality in the bulk of the offerings than
to any real reduction in the market. were several loads of good, weighty cattle

| Classification <br> Steers |  | No. | TORONTO |  |  | Top Price | No. | MONTREAL (Pt. St. Charles) |  |  |  | Top |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 318 | \$12.00 | \$11.75-8 | 12.25 | 812.60 | 4..... $\$ 10.25$ |  | \$10.25- |  |  | . 810.25 |
| $\begin{array}{\|l\|} \hline \text { STEERS } \\ 1,000-1,200 \text { common. } \end{array}$ |  | $\begin{array}{r} 415 \\ 60 \end{array}$ | $\begin{array}{r} 10.22 \\ 9.25 \end{array}$ | $\begin{aligned} & 9.75-10.50 \\ & 8.75-\quad 9.75 \end{aligned}$ |  | $\begin{array}{r} 11.00 \\ \quad 9.75 \end{array}$ | $\begin{aligned} & 32 . \\ & 60 . \end{aligned}$ | $\begin{aligned} & 9.25 . \\ & 8.20 . \end{aligned}$ |  |  | $\begin{array}{r} 00-8.50 \\ 8.00-8.50 \end{array}$ | $\begin{aligned} & 9.50 \\ & 8.50 \end{aligned}$ |
| $\begin{aligned} & \text { STEERS } \\ & 700-1,000 \end{aligned}$ | $\begin{aligned} & \text { good. } \\ & \text { common. } \end{aligned}$ | $\begin{aligned} & 968 . \\ & 342 . \end{aligned}$ | $\begin{aligned} & 9.73 \\ & 8.55 \end{aligned}$ | $\begin{aligned} & 9.25-10.00 \\ & 7.75-\quad 8.50 \end{aligned}$ |  | $\begin{array}{r} 10.00 \\ 9.00 \end{array}$ | $\begin{array}{r} 70 \\ 303 \end{array}$ | $\begin{aligned} & 8.60 \\ & 7.24 \end{aligned}$ | $\begin{aligned} & 8.50- \\ & 6.75- \end{aligned}$ |  | $\begin{aligned} & 8.75 \\ & 7.50 \end{aligned}$ | $\begin{aligned} & 9.00 \\ & 7.75 \end{aligned}$ |
| Heifers | $\begin{array}{r} \text { good } \\ \text { fair } \\ \text { common } \end{array}$ | $\begin{aligned} & 367 \ldots \\ & 273 \\ & 142 \end{aligned}$ | $\begin{aligned} & 9.77 \\ & 8.6 \\ & 7.50 \end{aligned}$ | $9.25-$8.007.00 | 10.25 9.00 8.0 | $\begin{array}{r} 10.50 \\ 9.75 \\ 8.00 \end{array}$ | $\begin{aligned} & 74 \\ & 85 \end{aligned}$ | $\begin{aligned} & 8.35 \\ & 6.90 \end{aligned}$ | $\begin{aligned} & 8.00- \\ & 6.75- \end{aligned}$ |  |  | 9.007.50 |
|  |  |  |  |  | 8.00 |  |  |  |  |  |  |  |
| Cows | $\begin{aligned} & \text { good } \\ & \text { common } \end{aligned}$ | $\begin{array}{r} 910 \\ 1,191 \end{array}$ | $\begin{aligned} & 7.79 \\ & 6.26 \end{aligned}$ | $\begin{aligned} & 7.25- \\ & 6.00- \end{aligned}$ |  | $\begin{aligned} & 8.50 \\ & 7.25 \end{aligned}$ | $\begin{array}{r} 34 . \\ 168 \end{array}$ | $\begin{aligned} & 8.12 . \\ & 6.90 \end{aligned}$ | $\begin{aligned} & 8.00- \\ & 6.75- \end{aligned}$ |  | $\begin{aligned} & 8.25 . \\ & 7.25 . \end{aligned}$ | $\begin{aligned} & 8.50 \\ & 7.50 \end{aligned}$ |
| Bulls | $\begin{gathered} \text { good } \\ \text { common } \end{gathered}$ | $\begin{array}{r} 58 \\ 308 \end{array}$ | $\begin{aligned} & 7.68 \\ & 6.33 \end{aligned}$ | $\begin{aligned} & 7.25- \\ & 5.75- \end{aligned}$ | $\begin{aligned} & 8.00 \\ & 7.00 \end{aligned}$ | $\begin{aligned} & 8.50 \\ & 7.75 \end{aligned}$ | $\begin{array}{r} 16 \\ 363 \end{array}$ | $\begin{aligned} & 8.43 . . \\ & 6.71 . \end{aligned}$ | $\begin{aligned} & 8.00- \\ & 6.25- \end{aligned}$ |  | $\begin{aligned} & 8.50 \\ & 6.75 \end{aligned}$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canners \& Cutters |  | 117 | 5.50 | $5.00-$ | 5.75 | 5.75 | 163 | 5.50 | 5.25- |  |  | 5.75 | 6.00 |
| Oxen |  |  |  |  |  |  | 2 | 8.00 |  | 8.00 |  | 8.00 |
| Calves | veal | $\begin{array}{r} 703 \\ 61 . \end{array}$ | $\begin{array}{r} 13.88 \\ 8.00 \end{array}$ | $\begin{array}{r} 13.00-15.00 \\ 7.00-\quad 9.00 \end{array}$ |  | $\begin{array}{r} 15.00 \\ 9.00 \end{array}$ | $\begin{aligned} & 166 . \\ & 380 \end{aligned}$ | $\begin{array}{r} 11.01 \\ 6.77 \end{array}$ | $\begin{array}{rr} 8.00-13.00 \\ 6.50-\quad 7.00 \end{array}$ |  |  | $\begin{array}{r} 13.00 \\ 7.00 \end{array}$ |
| $\begin{aligned} & \text { STOCKERS } \\ & 450-800 \end{aligned}$ | good | $\begin{aligned} & 798 \\ & 567 . \end{aligned}$ | $\begin{aligned} & 7.83 \\ & 7.22 \end{aligned}$ | $\begin{aligned} & 7.50- \\ & 6.75- \end{aligned}$ |  | $\begin{aligned} & 8.25 \\ & 7.75 \end{aligned}$ | - | - | - |  |  |  |
|  | fair |  |  |  |  |  |  |  |  |  |  |  |
| Feeders | good | 467. | 8.77 | 8.50- |  | 9.50 |  |  |  |  |  |  |
| 800-1,000 | fair | 79 | 8.26 | 8.00 |  |  |  |  |  |  |  |  |
|  | selects. | $\begin{array}{r} 5,982 . \\ 198 . . . \\ 329 . . . \\ 321 . . \\ 5 \end{array}$ | $\begin{aligned} & 17.37 \\ & 17.00 \\ & 16.62 \\ & 14.51 \\ & 12.60 \end{aligned}$ | $\begin{aligned} & 17.00-19.50 \\ & 17.00-19.50 \\ & 16.00-18.00 \\ & 13.00-17.00 \\ & 12.00-15.00 \end{aligned}$ |  | $\begin{aligned} & 19.50 \\ & 19.50 \\ & 18.00 \\ & 17.00 \\ & 15.00 \end{aligned}$ | $\begin{array}{r} 2,598 \\ 87 \\ 464 \\ 202 \\ 9 . \end{array}$ | $\begin{aligned} & 16.96 . \\ & 16.24 . \\ & 16.29 \\ & 13.47 . \\ & 12.60 . \end{aligned}$ | $16.50-17.25 \ldots \ldots .17 .50$$16.00-11.50 \ldots \ldots .16 .50$$16.00-16.50 \ldots \ldots .16 .50$$13.25-13.50 \ldots \ldots .13 .75$$12.25-12.75 \ldots \ldots .12 .75$ |  |  |  |
| Hogs | heavies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (fed and | lights |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| watered) | ) sows |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | stags |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lambs |  | $\begin{array}{r} 3,999 \\ 224 \end{array}$ | $\begin{aligned} & 15.14 \\ & 11.61 \end{aligned}$ | $\begin{aligned} & 14.75-15.50 \\ & 12.00-14.00 \end{aligned}$ |  |  | $\begin{aligned} & 15.75 \\ & 14.00 \end{aligned}$ | $\begin{array}{r} 983 \\ 1,817 . \end{array}$ | $\begin{aligned} & 14.25 . \\ & 13.23 . \end{aligned}$ | $\begin{aligned} & 14.00-14.50 \ldots \ldots . .14 .50 \\ & 13.00-13.50 \ldots \ldots . \\ & 14.00 \end{aligned}$ |  |  |  |
|  | common |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep | heavy | $\begin{array}{r} 106 . \\ 105 . \\ 79 . \end{array}$ | $\begin{array}{r} 8.70 \\ \quad 10.00 \\ \quad 7.00 \end{array}$ | $\begin{aligned} & 8.00-9.50 \\ & 9.00-10.50 \\ & 6.50-\quad 7.50 . \end{aligned}$ |  | $\begin{array}{r} 9.50 \\ 10.50 \\ 7.50 \end{array}$ | $\begin{gathered} 48 . \\ 35 . \\ 244 . . \end{gathered}$ | $\begin{aligned} & 8.50 \\ & 9.02 \\ & 7.60 \end{aligned}$ | $\begin{aligned} & 8.25- \\ & 8.75- \\ & 7.50- \end{aligned}$ |  | $\begin{aligned} & 9.00 \\ & 9.25 \\ & 8.00 \end{aligned}$ | 9.009.508.00 |
|  | light |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | common |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

from Ontario points. These sold from
$\$ 9$ to $\$ 9.50$ per hundred, with $\$ 10$ and $\$ 9$ to $\$ 9.50$ per hundred, with $\$ 10$ and
$\$ 10.25$ being paid in a few instances. There was a good export demand for butcher cattle, as also for canners and cutters for shipment to the United States,
Such inquiry did much to maintain prices on the common to medium cattle which made up the bulk of the receipts,
Butcher heifers and cows of good quality were scarce and met with a good demand considered, these prices were on a leve with last week. Butcher bulls were also
strong despite strong despite the prevalence of those
common quality. These sold up to $\$ 8.75$
. in a number of instances, but the bulk of the best realized from $\$ 8.25$ to $\$ 8.50$ Calves were very active all week under good local and United States' inquiry and light receipts; these sold up to $\$ 13$,
with the bulk of the sales between $\$ 10.50$ and $\$ 11.50$.
these prices
Sheep and lambs were very liberal in supply, there being over thirty-thre
hundred hundredroughout the week at last week's closing prices, with a particularly good
demand for shipment to Boston and demand for shipment to Boston and
Somerville, Massachusetts; over two thousand sheep and lambs, to thes
points. Good sheep sold up to $\$ 9.50$,
while the best lambs brought from $\$ 14$ to $\$ 14.50$. The market closed firm at these figures.
There was from the high prices that he hog market of late, and prices were reduced by $\$ 2$ to $\$ 2.50$ per hundred, on all grades of hogs. Buyers refused to pay above $\$ 17.50$ for ing to over five thousand hogs on the two markets, the drovers were forced to sell at or under that price. Many of them
had paid as high as $\$ 17$ During the week the bulk of the selects sold from $\$ 16.75$ to $\$ 17.25$ per hundred, led and watered; heavies, $\$ 16$ to $\$ 16.50$ lights, $\$ 16$ to $\$ 1.50$; sows, $\$ 13.25$ to
$\$ 13.75$, and stags, $\$ 12.50$ to $\$ 12.75$. The market closed at these prices, with the
expectation of light receipts for next week expectation of light receipts for next week and an improved tone to the market.
PT. ST. CHARLES.-Of the disposition of ive stock from the Yards for the week ending August 23 rd, Canadian packers and
local butchers purchased 40 calves, 98 canners and cutters, 436 bulls, 2 heavy sheep, 997 lambs. Canadian shipments consisted of 1 calf and 21 butcher cattle.
Shipments to United States' points were made up of 138 calves The total receipts of $c$ The total receipts of cattle from January
1st to August 23rd, inclusive, were 24,841
cattle, 43,842 calves, 14,952 sheep and
45,096 hogs; compared to 26,812 catt 45,096
34,167
calves, compared to 21,642 sheep, and
56,706 hogs, received during the corresponding period of 1916.
East End.
EAST End,-Of the disposition from the East End market for the week ending butchers purchased 294 calves, 1,018 butcher cattle and 786 hogs, Canadian
shipment consisted of 408 butcher cattle and 61 hogs.
The total receipts at the Yards from January 1 st to August 23 rd inclusive, sheep and 27.934 hogs;compared to 23,479 cattle, 33,171 calves, 18,188 sheep and 35,443 hogs, received during the corresponding period of 1916.

## Chicago.

Cattle-Beeves, $\$ 8$ to $\$ 16.50$; Texas steers, $\$ .2$ to $\$ 13.80 ;$ stockers and feeders,
$\$ 6$ to $\$ 9.20 ;$ cows and heifers, $\$ 4.80$ to $\$ 13$;
 $\$ 16.75$ to $\$ 18.65$; heavy, $\$ 16.65$ to $\$ 18.00$;
rough, $\$ 16.65$ to $\$ 16.95$; pigs, $\$ 12$ to
$\$ 16.75$.
Sheep. - Lambs, native,

## Farmers Who Call

at any of the Branches of THE MOLSONS BANK arealways made welcome

Especially at this time when increased production is so essential, our Managers will cheerfully discuss with farmers their financial situation.

Interest at Highest Current Rate.

## Buffalo.

Cattle.-Receipts last week were liberal at all American markets, as a result of which prices were lowered somewhat,
shipping steers running generally from a shipping steers running generally from a ceding week, while a class of medium
ceality half fat steers, running from 850 quality, half fat steers, running from 850 the previous week. Of the supply of bet-sixty-five to seventy-five cars were Canadians. . Best Canadian steers sold up to $\$ 12.80$, with the best native steers up line best ranged up to $\$ 11$ to $\$ 11.50$ yearlings on the fair order making $\$ 12.60$ A class of steers running from $\$ 9.50$-to $\$ 10.50$ were especially slow sale. Fat cows and heifers generally brought steady
prices, bulls sold at strong figures, stockers and feeders were firm sale, and a most sat isfactory market was had on milk cows and springers, a fairly good Canadian
milker bringing $\$ 125$. Predictions for the milker bringing $\$ 125$. Predictions for the future are that choice steers, whether on tinue to bring good, strong prices; shipping steers in the West, that came out of
feed lots, on long corn feed, sold up to $\$ 16.30$, and some authorities are prepared reached. Quotation
Shipping Steers.-Choice to prime na tives, $\$ 13.50$ to $\$ 14$; fair to good, $\$ 12.75$
to $\$ 13.25$; plain, $\$ 11.75$ to $\$ 12.20$ nat coarse and common, $\$ 10$ to $\$ 11$; best grass Canadians, $\$ 12.50$ to $\$ 13$; fair to good, $\$ 11.25$ to $\$ 12.25$ : common and
plain, $\$ 10$ to $\$ 11$. $\$ 11.50$ to $\$ 12$; fair to - Choice heavy best handy, $\$ 11$ to $\$ 12$; fair to good, $\$ 10$ to $\$ 10.50$; light and common, $\$ 8.50$ to $\$ 9$; yearlings, choice to prime, $\$ 13$ to
$\$ 13.50$; fair to good, $\$ 12.25$ to $\$ 12.75$. $\$ 10$ to $\$ 11$; yearlings -Best heavy heifers, $\$ 13$ to $\$ 13$; yearlings, choice to prime, $\$ 8.75$ to $\$ 9.50$; fair butchering heifers, $\$ 7.25$ to $\$ 8$; light and common, $\$ 6.50$ to年; very fancy fat cows, $\$ 8.50$ to $\$ 9.50$; bestchering cows, $\$ 7$ to $\$ 7.50$; medium to
fair, $\$ 6$ to $\$ 6.50$; cutters, $\$ 6.25$ to $\$ 6.50$; canners, $\$ 5$ to $\$ 5.75$.
Bulls.-Best heavy, $\$ 9$ to $\$ 9.25$; good
butchering, $\$ 7.50$ to $\$ 8.25$. Stockers and Feeders.-Best feeders,
$\$ 7.50$ to $\$ 8$; common to fair, $\$ 6.50$ to $\$ 7.25$; best stockers, $\$ 7$ to $\$ 7.50$; common
to good, $\$ 6$ to $\$ 6.75$. to good, $\$ 6$ to $\$ 6$.
in small lots, $\$ 90$ to $\$ 130$; in carloads, $\$ 85$ to $\$ 100$.
Hogs. - Receipts of hogs last week were very weights on down to York kinds landwanted. Not enough hogs are coming to
keep the local packers running on full capacit, to say nothing of the order
mand, which is strong from Buffalo. Quotations: Extreme heavies $280 \mathrm{up}_{\mathrm{i}} \$ 18.85$ to $\$ 19.10$; heavies 240 to
$280, \$ 18.85$ to $\$ 19.10$; mediums 220 to $240, \$ 18.85$ to $\$ 19.10$; mediums 190 to

 $\$ 15$ to $\$ 16$. roughs, $\$ 17$ to $\$ 17.75$; stags, Sheep and Lambs.-Offerings in this
division of the trade have been light, as
a result of which a result of which prices have been ranging
high, spring lambs selling up to $\$ 16.50$,
and more wanted. Sheep are running
especially scarce, best land at $\$ 10,50$ especially scarce, best land at $\$ 10.50$
Quotations: Spring lambs, $\$ 11.50$ to
$\$ 13$ $\$ 16.50$; yearling lambs, choice, $\$ 13$ to $\$ 13.50$; yearling lambs, cull to fair, $\$ 10$ to $\$ 11$; wether sheep, $\$ 10.50$ to $\$ 11$; mixed
sheep, $\$ 10.25$ to $\$ 10.50$; ewes, choice, $\$ 9$ sheep, $\$ 10.25$ to $\$ 10.50$; ewes, choice, $\$ 9$
to $\$ 10$; cull sheep, $\$ 5$ to $\$ 8$; bucks, $\$ 6$ to $\$ 10$.
light and prices again high, top veals light and prices again high, top veals
landing at $\$ 17$ to $\$ 17,25$, with Canadians, week, showing a range up to $\$ 16.50$ for the week, showing a range up to $\$ 16.50$ for the
best, fair kinds and culls running from $\$ 12.50$ to $\$ 13.50$ Quotations: Veals good to choice, $\$ 17$ to $\$ 17.25$; fair to
good, $\$ 16$ to $\$ 16.75$; cull and common good, $\$ 16$ to $\$ 16.75$; cull and common
$\$ 12.50$ to $\$ 15$; heavy rough calves, $\$ 9$ to $\$ 12.50$; grass calves, $\$ 7$ to $\$ 8.50$.

## Toronto Produce.

Receipts of live stock at Union Stock 5,060 cattle, 176 calves, 410 hogs, 1,558 sheep and. lambs. Draggy market Good butchers and cows and bulls steady; Sheep and lambs strong ${ }^{5}, 25$ cents higher Calves strong. Milkers, springers, stockers and feeders steady. Hogs fed and watered $\$ 17.50$ to $\$ 17.75$.

## Breadstuffs.

Wheat.-Ontario No. 2, new crop, $\$ 2.15$ to $\$ 2.20$ Manitoba (in store, Fort northern, $\$ 2.37$; No. 3 northern, $\$ 2.331 / 2$ toba oats (in store, Fort William)-No 2 C. W., $631 / 2 \mathrm{c}$., nominal.
Barley-Malting, new crop, $\$ 1.20$ to \$1.22.
Corn.-No. 3 nominal.
bags, $\$ 12.90$; second patents, in jute bags, $\$ 12.40$; strong bakers', $\$ 12$; Ontario winter wheat flour, according to sample
in bags, $\$ 10.20$; new crop, $\$ 10.20$.

Hay and Millfeeds.
Hay. - Track, Toronto, extra No. 2 ,
$\$ 11.50$ to $\$ 12$; mixed, $\$ 9$ to $\$ 10$. Straw.-Car lots, per ton, $\$ 7$ to $\$ 7.50$.
Bran.-Per ton, $\$ 36$. Shorts.-Per ton, \$45; middlings, per
ton, $\$ 45$ to $\$ 46$. Good feed flour, per ton, $\$ 45$ to
bag, $\$ 3.25$.

Hides and Woo
City Hides.-City butcher hides, green
flats, 22c.; calf skins,, green f flat, $27 c$ c veal kip. 22c. horse hides, city take-off, $\$ 6$ to $\$ 7$; city lamb skins, shearings and Country Markets. - Beef hides, flat,
cured, 20 c . to 21 c . deacons or cured, 20 c . to 21 c .; deacons or bob calf,
$\$ 1.75$ to $\$ 2.50$ each; horse hides, country ake-off, No. 1, $\$ 6$ to $\$ 7$; No. 2 , $\$ 5$ to $\$ 6$; hair, farmers' stock, $\$ 20$
Tallow. - City rendered, solids, i
barrels, 13 c.
to $14 \mathrm{c} . ;$
country solid, i
barrels, No. 1, 12c. to 16 c .; cakes, No.
16 c . to 17 c .
quality, fine, 60c.; coarse, 58 c . Washed
Country Produce
Butter.-Butter again advanced in price
during the past week, selling as follo ws on the wholesales: Creamery fresh-made pound squares, 44 c. to 45 c . per lb .
creamery solids at 4 c . to 44 c . per lb .
separator dairy at 40 c . to 42 c . per lb .
and dairy at 37 c c. to 38 c . per lb .
Eggs.- Fresh gathered eggs also ad vance, and were quite firm, selling as fol-
lows, wholesale: No. 1's, 47 c . per doz;
selects, 50 c per doz. Cheese. - New, large, 24c.; twins, $\$ 8$ Beans. -Japanese hand-picked, $\$ 7.50$ to $\$ 8.25$; prime, $\$ 8.75$. Poultry.-Spring chickens, 20 c , per 1 b .
ducklings, per 1 b .; roosters, 14 c . per lb .; fowl, 4 lbs
and under, 18 c , per 1 b .; fowl, over 4 lbs Wholesale Fruits and Vere weight Apples came in more freely during the ing at 30 c . to 65 c . per 11 -qt. basket, some
The bulk of our Canadian apples are still
exceedingly poor quality.

Blueberries continued to come in fairly reely and sold at $\$ 1$ to $\$ 1.75$ per qu-qt. bringing $\$ 2$.
creasing in quantity, and are commencing to be of better quality, ordinary grades
going at 50 c . to 75 c . per 11 -qt. basket
 salmon flesh bringing $\$ 1.25$ to $\$ 1.50$ per 11 qts.
Black and sold currants continued to come in, $\$ 2$ to $\$ 2.25$ per 11 -qt. basket. Tokays are now being received, selling at $\$ 3.50$ to $\$ 4.50$ per case, respectively. $\$ 7.50$ per case. ing at $\$ 4$ to $\$ 4.75$ per case.
Peaches, that is the home-grown, coninued to be of very ordinary quality, selling at 20 c . to 30 c . per 6-qt. flat; 45 c ,
to 75 c . per 6 -qt. leno; 35 c . to 50 c . per
leno.
Pineapples came back again, selling at
$\$ 7$ per case.
Plums were shipped in heavily, but they too are mostly poor grades, selling
at 25 c . to 40 c , per 6 -qt. flats; 40 c . to 60 c per 6 -qt. lenos; 60 c . to 75 c . per 111 -qt.
flats, and 75 c , 81 per 11 . flats, and 75 c . to $\$ 1$ per 11 -qt. lenos.
Pears.-Canadian pears are still only Pears.-Canadian pears are still only being shipped in lightly, selling at 30 c . per 6 -qt. basket, and 75 c . to $\$ 1$ per 11-qt. basket.
Tomatoes have gone down and up in
price during the week, according to the price during the week, according to the
receipts, closing at 35 c . to 50 c . per 11-qt
basket. 20 c . to 30 c . per 11 -qt. basket, and $\$ 1$ per Beans have only been shipped in lightly, and sold at 40 c . to 60 c . per 11 -qt. basket been any demand for it.
Celery varied greatly in quality; selling all the way from 35 c . to 90 c . per dozen. heavily, but there is not much demand for them. They sold at 15 c . to 25 c . per Egg plants came in quite freely and basket; then advanced and brought from 75c. to $\$ 1$ per 11 -qt. basket. Gherkins are still a slow sale as pickling time has not arrived yet. They sold at
75 c . to $\$ 1.25$ per 11 -qt. basket, and 50 c . Onions have been quite firm-Cali fornia 100 -lb. sacks selling at $\$ 3.75$ Ontarios at $\$ 3$ per $75-\mathrm{lb}$. bag, also at 50 c .
per 11-qt. basket. The pickling onions began to come in more freely and wer
of better quality, selling at $\$ 1.50, \$ 1.75$ and $\$ 2$ per 11 -qt. basket. $\$ 1.75$ to $\$ 2$ per bag.

## Montreal Produce.

Horses.-Occasional shipments are be-
ing made eastward to different points
in the province of Maritime provinces. Supplies of horses purposes having cleaned the country up
of the usual surplus stock of good animals Accordingly, the market holds quite
firm, prices being as follows.-Heavy
draft horses,
 weighing 1,400 to 1,500 lbs., $\$ 175$ to
$\$ 225$ each; smatl horses, $\$ 150$ to $\$ 20$ ) each; culls, $\$ 75$ to $\$ 125$ each; choice
saddle and carriage horses, $\$ 200$ to $\$ 250$

Dressed Hogs.-Fluctuations have rebut the market was showing a slight recent weakness. Prices were well below those of the previous week, abattoir,
tresh-killed stock being quoted at $231 / 2 \mathrm{c}$
Potatoes.-The price of potatoes continues very firm all things considered.
There are reportshere that the continuous rains have caused a great deal of rot ow lands. Canadian potatoes are being quoted at $\$ 2.15$ to $\$ 2.25$ per bag of 80 lbs .
It is understood that importations of American potatoes is taking place in a Honey and Maple Syrup.-Receipts
of new honey are by no means large, and
he market held auite fir the market held quite firm at around
recent prices, namely 15 c . for white clover
comb, and 14 c . for extracted; $13 \% \mathrm{c}$. pe
lb . for brown clover comb, extracted. Maple syrup was in moderat demand, and prices were steady at $\$ 1.50$
to $\$ 1.75$ per gallon tin of 13 lbs , to $\$ 1.75$ per gallon tin of 13 lbs for choficert the lower grades. Sugar sold at 15 c : per

Eggs.-No change has taken place in
the market for eggs during last week. Thie quality of the stock continued week. Thie result of the recent warm weather and the harvesting operations. Strictly new laid eggs were quoted at 52 c . to 53 c .; select
stock ranged from 45 c to 48 c ; No stock ranged from 45 c, to 48 c . No. No.
candled being 44 c ., and No. 2 candled about 40c. per doz.

Butter.-During last week, the market disposition. The make is larger, again, it is said, and as the cooler to show the cust the quality is likely Quotations last week on finest creamery were 41c. to 42 c . per 1 b ., fine beinery at a range of 1 c . below. Choicest dain butter ranged as high as 38 c . while the
poorer grades ranged from 37c. down to

Cheese.-The commission quotes the following prices: No. 1 cheese, $21 / 3 / \mathrm{c}$.;
No $2,211 / 4 \mathrm{c}$. No. No. $303 / \mathrm{c}$. $201 / 2$ c., being the same as a week ago. Grain.-No 2 Canadian Western oats were changing hands at 74 c . to 75 c ; 1
No. 3 and extra No. 1 feed are 73 c , 74 c ., with No. 1 feed at 72 c . to 73 c ., ex-store The production of per-bushel be much larger this year but in the meartime prices are steady, with Canadian
$5-\mathrm{lb}$. pickers $\$ 9.50$ to $\$ 95.3$-1b pickers, $\$ 10.25$ to $\$ 10.50$; Rangoons $\$ 8.75$ to $\$ 9$; Yellow eyes $\$ 8$ to $\$ 8.25$, and Japans
$\$ 7.50$ to $\$ 7.75$.
Flour.-The market
Manitoba first patents $\$ 13$ was steady. in bags; seconds, $\$ 12.50$; strong balrer $\$ 12.30$. Ontario $90 \%$ patents $\$ 12$ to $\$ 12.30$ per barre
per bag.
Millfeed. - Prices were moderately steady, though the high point of the recent range was hardly obtainable. Bran $\$ 35$ per ton, in bags; shorts, $\$ 40$;
middlings, $\$ 48$ to $\$ 50$; mixed mouille $\$ 55$ to $\$ 56$; pure grain mouille, $\$ 60$ to $\$ 61$. Hay.-The market was steady for
baled hay, at $\$ 9.50$ to $\$ 10$ per ton for No. , in car lots, ex-track; $\$ 8$ to $\$ 9$ for No. 3 . and $\$ 6$ to $\$ 7.50$ for lower grades, per ton. Hides--Lamb skins were up to $\$ 2$ each; calf skins were down 2c., at 36 c .
and 38 c . per lb. Beef hides steady at 25 c ., 26 c . and 27 c . per 1 lb . Horse hides
$\$ 7$ each; rough tallow 3 c. to 6 c . per lb ., rendered 11 c . to 13 c .

Bruce's Seeds
In the advertisement of John A. Bruce \& Co., Limited, appearing in this issue,
the price of Crimson clover should read
$\$ 13$. the price of bags should be 40 c. instead o. 30c. These changes reached this office

Questions and Answers.
Miscellaneous.

Training A Pup
What is the correct way of training
a pup to go at the feet of cattle instead pup to go at the feet of cattle instead suggestions for training a dog?
A SUBSCRIBER'S SON: Ans.-This is rather hard to explain
in detail in small space. Always be in detail in small space. Always be him in with a well-trained older dog.
If this is not possible patiently work him alone as soon as he is old enough. Take him with you for the cows night and
morning. Teach him to drive them by morning. Teach him to drive them by
keeping him behind. If necessary use a rope for a while until he learns to "heel" them. Have patience and work slowly.
Do not allow with a badly trained older Do not allow with a badly trained older
dog. Take precautions to prevent injury al
to the pup. It will require time and
the always encourage the pup when he does
well by patting and talking to him. Do not abuse him when he makes mistakes. Kindness and patience are the mai


Before the Assault. The war is taking a heavy toll of our poets. Second-Lieutenant R. E. Vernede,
of the Rifle Brigade, who has died of wounds, was a singer of notable accomplish ment. The following verses from his If thro' this roar o' the guns one prayer Lord of all Life, whose mercies never sleep, seech Thee
To grant us peace. The sword has bit too deep.

We may not rest. We hear the wail of Mourning the sons who fill some name less grave;
ast us, in dreams, the ghosts march of our brothers;
ho were most valiant
e.

Hark, the roar grows. . . 'the thunders only one Hearts high as theirs, who went to death unshaken,
Courage like theirs to make and keep
their vow.
stay not till these hosts whom mercies Who know no glory save of the sword Find in our fire the splendour of Thy Meet from our steel the mercy they

Then to our children there shall be no of fates so
But Peace. the Peace which passeth
understanding. Not in our time.
Not in our time
O Lord. $\qquad$

## AmongtheBooks

"Changing Winds.
The Macmillan Publishing Company, The Macmillan Publishing Company
Toronto and New York, $\$ 1.601$. People who read much fiction-with
judment-know the jovels may be that while a hundred passable, the one hundred and first may prove to be worth reading. Changing
Winds, by St. John Ervine, a brilliant Winds, by St. John Ervine, a brilliant young Irishman who has come rapidly is one of the "one hundred and firsts" True, one may not agree with all of the conclusions-that depends, perhaps, on
one's training, politics and religion-yet one's training, politics and religion-yet must acknowledge Mr. Ervine's brilliance and real genius as a novel writer. The story revolves about four fine
young men, one of whom, Gilbert, who eventually goes to the Dardanelles, is
supposed to poet, Rupert Brooke. Incidentally
bits bits of philosophy and much comment on life and on recent events and con-
ditions are interwoven in the conversations of these young men. Everywhere
the chara the character-sketching rings true. There are no straw-stuffed figures. Realities are faced squarely.-And the book is
not overdone with It closes with a vivid account of the
Sinn Feiners' the leading character, Henry Quinn, the Irishman, who has all his life been haunted by a congenital fear of death, finds that
it is possible to depart "beyond to France and Flanders and the fields
of blood and pain." After all a rea
gentleman cannot be a coward.
As an example of the style of Changing Winds we have chosen one of these last chapters, perhaps because of its faithful The scene is in Dublin

And now the rebellion began to bore him. He could not work, and the walks walked down to Trinity College and. He there, watching the soldiers on the roo of the College as they fired up Dame Street to where some Sinn Feiners were in occupation of a newspaper office, or along Westmoreland street towards the was the sound of bullets being. fired - but after a while the sound ceased to affect him. There were snipers on roofs. and people had been killed the stray bullets. crack of a but, although made him jump, the boredom grew and grew and increased. He wanted to get on The wr.
The soldiers were pouring into Dublin
now. . more and more of them "It'll be over soon" he sail the. It seemed to him then that the thing he would remember always was the dead horse which still lay on the pavement, becoming more and more offensive. Wherever he went, he met people who said
to him, "Have you seen the dead horse?" Impossible to forget the corrupting beast,

Magnify that immensely, in-


A Recent Portrait

crease enormously the noise, and one had
the War! Noise and stench and dead men and boredom! . . the same people, listening to the same statements, making the same remarks, wondering vaguely about food. He had seen high officials carrying loaves under "I wish to God it was over," he exHe spoke sick of toldier in Mersion Square. "Do you like Dublin?" he said Square. "Do you like Dublin?" he said
"Oh, fine!" he answered. "We've
been treated cbampion. I 'aven't seen much of it yet, of course," he went on
"I've been 'ere ever since I landed!' He pointed to the pavement." But he. went on, "we thought we kas in France when we arrived 'ere. Couldn' make it out when we saw all the signs in English. I says to a chap, as we was walking along, ' 'I,' I says,' is this "And what did you say?" said Henry. "I said "Blimey!" He moved to the kerb as the soldier further along the and when he Pass these men along" the next soldier, he returned to Henry "I say," he said, "wot are these Sinn Feiners? I mean to say 'oo are they?
Are they Irish, too?"
Henry tried to explain who the Sinn Feiners were.
"But wot they want to do? Wot's the point of all this. this 'umbuggin' about? We don't want to fight Irish
people. We want to fight Ger . He looked about for a moment and then added, as if to clinch his statement, "I mean to say, I know an Irish chap. e's a friend of mine. .. but d's know bloody Germans, an dirty lot, I calls 'em!"
"You know," he went on, "this is about the 'ottest bit of work a chap know ,ave to do. These snipers, you to say, 'ere you are, standin' 'ere, you might say, in the dark an' suddenly a does 'it you. one of our mebbe was killed in front of that 'ouse last
night. . they been swillin' away, see! . ." Henry looked across the road to where a man was vigorously brooming the wet pavement The soldier proceeded: "'Well, you don't on one of these 'ere roofs, 'idin', an you're down ere. - exposed. 'E kneels be'ind the parapet, an' 'as a shot at you an then 'e 'ops along the roof to anothe

You don't 'alf begin to feel a bit jiggery that's 'appening

There was no malice in that soldier He was puzzled, as puzzled as he would have been if his brother had suddenly seized a rifle and lain in wait for him He looked upon the Irish as his comrades all the same," I mean to say, we're He had been in camp at Watford. "wi was in a picture-palace, me an' my pal 'And then a message was put on the screen: thought nothink of it, you know. O course, I went all right. But I though it was just one of these bloomin' spoof entrainments. They done that to us
before. two or three times, to see 'ow quick they could do it. . an 1 was gettin' a bit fed-up with it. I'd an' it was gettin' a bit times. At it agas gettin' a bit monotonous, Aooked back to the camp, but when we was in the train, an' it didn't stop an go back again, I says to 'im, Illoa, good-bye' to 'er this time!' An't said we was. off at last! This is a nice-old-ow-d'ye-do! 1 says. I didn't want he girl to think $I$ was oppin' it like that When we got to Kingstown and. we was in Ireland. . . well, I mean to say, it surprised me, I tell you. about? I mean to cane out is, wot's it all about? I mean to say, wot do these chaps "They want to be free. ain't they as free as me?" "They don't think so".
do? Henry did not know. "You ast me anythink", the soldier went on, "they're lot reer 1 mean to but they ain't got it 'ere
There was another interruption, to enable a motorcyclist to pass along. When he returned to Henry, he said, "you know, when we got 'ere, an' all the people come long-lost brother, we couldn't make it out at all, an' when we 'eard about the Sinn Feiners, we didn't know wot to think. I mean to say, we didn't know 'oo they black. you know. niggers. but I told 'im not to be a bloody fool, 'They don't 'ave niggers in Ireland', I says, 'They're the same as us, I says,
I mean to say. . they're white!" "

## Noted Women.

## apan's First Woman Banker.

 When Asa Hirooka was a little girl she wanted to be a boy, That wasbecause she believed all the privileges she wished to enjoy were confined to the other sex. Asa Hirooka is now a Japanese
woman, and early in life she rebelledthat was some fifty years ago, she admits -rebelled against the conventions of her country. As she grew older she de-
termined to throw off the shackles of termined to throw off the shackles of
custom that bound the Japanese woman of her younger days. She succeeded so well that she became the first modern banker of Japan, and took on coalmining and life insurance as side issues.
Later in years she became interested in the study of philosophy, and to-day is an earnest Christian and social-reform worker. Lucia B. Harriman tells the interesting story of the life of Madam
Hirooka in The World Oullook. She It was in the garden of her home in Osaka, that central dynamo of industrial Japan, that Madam Hirooka told me the story of her life, a record of the ever-fas-
cinating struggle for the expreseion
individuality, made doubly difficult here in the Orient, where the individual-par ticularly if she has the ill-luck to be a
woman-is. lost in the family, the real unit of society.
Throughout the interview-which was carried on through the medium of an interpreter, a charming girl student of type of the coming woman of Japan-it interested me to observe that the term "woman's movement", which we used frequently during our conversation, was expression that was never translated but used by Madam Hirooka at frequent intervals was "strong will."
These two expressions from the keylatter, doubtless can inheritance from latter, doubtless an inheritance from a childhood in the former, although it has only been within the past few years that she gave it a name. To-day she is Japan's oremost exponent Her entire life-has woman movemainst the inequalities of the sexes as emphasized by the laws and customs of her people.
"When di
elfi" I asked her resolve to assert your elff" I asked her early in our conversation.
"Early in my girlhood", she replied. "The more I thought about it the more determined I was that a girl should be treated as a human being-not as a slave. No expression of this feeling escaped me Japanese girl, meek, submissive, dutiful, self-effacing. Then at the age of seventeen came marriage and deliverance of a sort. To the average Japanese woman
marriage is only a shift in the obediences marriage is only a shift in the obediences the husband and his parents.
My husband was nine years older than I, and the nominal head of the great firm family, carried on the financial affairs, the money-lending, etc., of the Daimios-the feudal lords of the nation. Actually, my husband regarded money-making as vulgar and beneath his kind he spent the greater part others of his kind he spent the greater part
of his time at the fashionable tea-ceremonies and at geisha entertainments. This gave me my opportunity. As soon as my husbandleft in the evening, I would and write the Chinese characters. I purchased a soroban, and taught myself
mathematics. I bought books and deyoured them. There were comparatively few to be had, West, and all it had to give us, out Science, politics, industry, Western literature, and arts were all closed books to
us before the Restoration, for under the us before the Restoration, for under the 300 years of isolation from the rest luxurious living and elaborate social customs to whe
ich and idle.
One or he ew books that was abu system to me. I knew that our business was in the same state as that of many dissolution; that unless some verge of took its management and directed it with close attention to detail, it was bound to
fall. I knew I could do this. I tingled to fall. I knew I could do this. I tingled to
show my ability, to use my newly acquired knowledge. in business, particularly that which related to money matters and high
finanee, was unheard of, unwomanly, finance, was unheard of, unwomanly,
disgraceful. I knew it would mean ostracism, jealous criticism, ridicule, and
opposition from every side. But I knew that I was strong enough to battle against even these, and I set to my task with the
consent of my husband, who was both o my ambitions."
What Madam Hirooka was able to accomplish is writ large in was able to Japan's modern business development. She not only put her hushand 's business in
excellent condition, saving it from failure
at the time of the Resturation in $186 i 8$,
ping interests, and advanced the idea of he necessity for the development of the Island of Kyushu.
This met with stubborn opposition from her business associates. Mining was looked
upon with the same scorn that an upon with the same scorn that an
Englishman looks upon "trade"- not to be mentioned in polite society. Not being able to overcome the antagonism of her amily and associates, Mme. Hirooka determined upon the undertaking without
the aid. She went to Moji, and, inspecting the land, leased it from the Government and personally directed the development of the mines. This was in 1879, Despite was but twe Despite the prediction machinery and rained men was regarded as a great speculation, Madam Hirooka's venture proved an unqualified success and in ten years she was able to sell out the greater at a large profit, reserving a small share which she recently sold to the Government for a half-million yen. Another enterprise in which Mme. surance. The closing out of her mining surance. The closing out of her mining
interests left her free to return to Osaka where she enlarged the bank and formed life-insurance company, called the 000 yen. This has since been consolidated with other companies and is now known as the Vai-do- Seimei Hoken Kaisha. To-day Mme. Hirooka, at the age of
sixty-five, although as keenly interested as sixty-five, although as keenly interested as
ever in her business, has relinquished much of its personal supervision to her son-in-
concessions to the family by adding Japanese rooms, where her grandchildren spend much of their time when they are ness.
How long will it take to bring it all "At least fifty
shall not be here to see it, but it will

## Hope's Quiet Hour

## For Their Sakes.

## For their sakes I consecrate myself

 that they themselves also may be sanctimargin)Our Lord's great conflict was near at hand, and He was treasuring every learest friends. Going forward to face eath, for those friends and for mankind, sacrifice so willingly offered. "Greater love hath no man than this, that a man ay down his life for his friends. Ye are my friends, if ye do whatsoever I command you," He said to those men who
would have held him back from the road to Calvary if they could. St. John never orgot the wonderful words of peace and comfort which his Master spoke that night. Can any farewell compare with
that described in St. John XIV XV XVI? Then the Master turned from the
consecrated themselves for our sakes hearted unwillingness those Canarif volunteers pressed forward to the danoun line, placing themselves between us and aced mutila war. They deliberatel or our sakes-are we willing or their sacrifice and make no return? the that are we doing for their sakes? country's good they have shown thei olves ready to die. It is our part to consecrate our lives for the good of others
Selfishness is dead failure. We one life on earth, one opportunity to serve our generation. What opportuni,
ties of service may open up to us ties of service may open up to us affer
death we don't know, but we have lenty of opportunities here
picture of one whose life on earth was
ailure. Some might call it a "success
dressed and The man was rich, royall
beggar at his gate lay fed. The sicic
uncared for. Only the dogs visited and The rich man's life of selfish comfort bliop ped away, and one day. Death's sten hand swept aside the mists whith had blinded his vision, and he saw how b ful service which we call "Life." He had made a failure of life, but-after deaththe desire to help other perishing sools leaves Him no heart. And so our Lord interests, but eazerly desirous of hisoun his brethren to their need
In this day of glorious heroism itseem mpossible that any should be content to may not be able and give nothing. W
but at least we can re
fuse to make selfinterest


Where Garden Meets the Woods.
In fall a border licultural Societies' ' Report. . 1916. .)
(Han be got ready for next
ries on the family business and perpetuates
the family name, which he adopted on
marriage to her only daughter
At sixty Mm . Hirooka began the study interested in Christianity, studied its message and accepted it. To-day she has pledged herself to spend the remaining truths and working for the advancement of the women of her country, who, she
assured me, needed more than any other one thing "to develop strong wills."
Many men in Japan, M me. Hirooka confided to me, favored Christianity except
or its moral code and its attituide toward woman. Once, in a conversation with the late Prince Ito, he had assured her that he
thought Christianity "good on the whole, but too strict in its moral standards." She had come to realize, she told me, that
'only Christian ideals would lift women to
he place they had a right to ocopy side he place they had a right to occupy, side Within the past year, to the surprise
even of herself, Mme. Hirooka has even of herselt, Mme. Hirooka has
launched forth as a public speaker. She
is forceful and dynamic; her talks to the
hundreds of hundreds of women, whose secluded tives
have been the practical working out of have been the practical working out of
that same book of morals which Mme.
Hirooka so despised in her youth, are along Christian and practical lines.
earthly friends He was trying to inspire
with hope and good cheer. Looking up to His Father He uttered the prayer of the True High Priest, offering Himself to whole world. He was proving His the dying love for man and pleading for such visible unity of His followers as must convince the world of His Divine Mission.
For their sakes He consecrated His For their sakes He consecrated Himself,
giving up His life for them; but He was giving up His life for them; but He was a
Leader as well as a Saviour, and was sending them into the world to bear witness
for Him and His Cause the Cause of personal holiness and national righteous-
ness. Dying, He looked forward to time when He should "see of the travail
of Hing of His soul, and be satisfied." He expected death-and victory! He ex-
ready to die for His friends, willing to ready to die for His friends, willing to
consecrate His young life for their sakes. Were they worth dying for? He knew
that, in the first shock that, in the first shock of seeing Him
arrested, they would fly in panic. But would they rally again and prove them-
selves worthy of their calling? Would selves worthy of their calling? Would
they retreat before the forces then, in shame, turn and conquer the like cowards, knew that even the boldest apostle would that very night disown all trusted them still. One was a traitor,
but the rest were loving and true of heart, but the rest were loving and true of heart,
though weak.
When I see groups of returned soldiers, When I see groups of returned soldiers,
many of them with a leg or an arm miss-
ing, I can't help a sense of shame. They
him went on Two men who heard gnantly over his silly resolution. They inn, then went resolutely past it. Thoy said he w
followed.
Then Mr Macen tella a man who had gone out to serve his country villed a comrade in a drunken brawl. "His mother doubtless sent him forth to fightit as a hero for his King, and he became a
murderer under the fostering of the State."'
Men are putting their lives into deadly peril every day, in order to carry food to England; yet 1 received a letter yesterday from Old London which described
how the busses were decorated vith how the busses were decorated with
signs: "Eat less ,bread and drink Buchanan's whiskey." The sailors risk pressed England. For their sakes the precious grain should not be wasted-and
worse than wasted-by the men who stay at home
May I quote again from "The Great
Discovery?" "What reward are we preparing for the men who are baring their breasts to the
arrows, standing between us and death? When they come back, war-worn, to what will they return? To homes in wards bare,
fires are extinguished, the cupboard the children neglected? Is that to be the guerdon of their sacrifice; is it for thall that they have gone do
Surely it cannot be for th
We can make the world We can make the for that
are westh fighting for-worth that the young, the strong, and the brave should take everything they hold dear-their
Ideals, their love, their little children un-born- and throw them into the trench and there give themselves and their
and dreams that we are worthy the sacrifice." Long ago, when David's men were quarre of battle, their young leader made spoils which became a statute for Israel. This was his order: "As his part is that goeth down to the battle, so shall his par be that tarrieth by the stuff: they shall part alike." Such a law takes it for
granted that those who stay at home will granted that those who satay an home wil who go out to fight. The soldiers lay down their lives for our sakes; for their sakes let us consecrate our lives in daily
kindness, in unwearying prayer for those who are claiming our prayers as their due, in honesty and truthfulness, in purity and temperance. Then our nation will be able to hold up its head among the
nations and God Himself will be with us nations and Gur Empire The old cynical saying that "God is on the side of the biggest battalions" over and over again has been given the lie. God is on the side of righ ings can win Him as an Aly unless we
"do justly, love mercy, and walk humbly with our God." The prophet Micah
declared that it was useless to sacrifice thousands of rams, ten thousands of rivers of oil, or even a first-born son, in something greater than prayers and sacrifices-honor and honesty. The scant measure is abominable in His eyes, also the wicked balances and the deceitful weights.-Mican about baskets of fruit with the best samples always on top? What does He think of the profession or religion on
Sunday and the utter forgetfulness of God during the week? with are not our own, for we are bought His life to save us from eternal death. For His sake, above all, let us consecrate
ourselves, and spend our lives for some ourselves, and spend our lives for some
higher purpose than selfish gain or pleasure. What is our object in life?
It cannot be only"To dress, to call, to dine, to break The little laws that lacqueys make, The futile decalogue of 'Mode,' How many a soul for these things lives
With pious passion, grave intent!

And never ev'n in dreams has seen


Gifts From Readers.
One of our readers has sent five dol-
lars for the Q. H. purse, to be spent on lars for the $Q$. H. purse, to be spent on
some needy and helpless patients. She "also sent a goodly supply of S.S. . papers distribution in the hospital wards. These papers are able to carry good cheer to many "shut-ins," and I am very glad to 52 Victor Ave., Toronto. $\begin{gathered}\text { Dora }\end{gathered}$

## TheBeaverCircle

Our Junior Beavers. A Harvest Rescue.
Twas harvest-time at Rosedale Farm;
While o'er the fields the reaper wound,
The waving wheat was mowed and bound
And then a pair of whirring wings
Flewe up before the great steel things
That cut the graceful, waving wheat
And tied it up in bundles neat.
Billy and Ned ran in bet ween
The standing wheat and te
Ah yes, 'twas true just as they guessed!
"Stop! stopp! We've found a partridge
nest!"

Setting the Table. It is quite surprising how often the re-
quest arrives for these columns, "Please tell me iust how to set a dinner-tablease" -Sometimes, no doubt, it is a little bride fresh from school or office who asks, and sometimes, possibly, someone who has been used to rather rough ways of living
and wants to do "the proper thing." It wants to do "the proper thing.
It is very true that our manner of eat-
ing shows our refinement, or lack of it, more almost than anything else except, perhaps, our manner of speaking. Boorish manners and ungrammatical speech proclaim us, just as pretty manners and "good
English," also proclaim us. But there is English also proclaim us. But there is one thing about both manners and engno reason, except carelessness, why people
should not be possessed of the best of should
both.
In the realm of manners the table and the deportment thereat, are among the may be made either a pretty thing or an example of unadulterated ugliness, with Even the table itself
ook coarse and repulsive, or a thing of refinement and attractiveness.
In achieving the latter it is to be remembered that, while certain rules in has not been done arbitrarily, but simply to provide the greatest degree of comfort for everyone concerned. Thus it is that
no rule is absolutely inflexible, different no rule is absolutely inflexibie, different
circumstances may always bring about a circumstances may always bring about a
modification. For example, while it is perfectly permissible for an over-worked farm woman to substitute white oilcloth for linen during hot summer weather, linen is the rule, with the prime necessity that in quality the linen is, the better will be its gloss and general appearance
In setting the table the first necessity
is a "silence cloth," of any soft, thick, is a silence cloth, of any soft, thick, smooth material, placed, the dishes and cutlery.
For dinner the arrangement, for a plain table, is as given in our illustration, although the plates are usually placed, at the first of the meal, in a pile in front of the server. "Service plates,"-useless things they are-are usually seen only in very formal houses. If hot meals and vegetables are
Also another deviation from the arrangement shown in the picture is per missible: the large dinner knife and fork may be-in fact are usually-placed at
outside instead of next the plate, this is a mere matter of taste. For dinner, bread and butter plates are sometimes omitted, never for luncheon or "tea." Also, if the hostess pours the tea, the tea service may
occupy her end of the table, the vegetable dishes being placed close to the one who is to serve the vegetable.
The centre of the table should be oc eupied by some flower decoration, placed
on an embroidered doiley; just a vase on an embroidered doiley; just a vase
or rose-bowl of cut flowers will do, or low fern in a pot. Large, fussy floral erections are no longer considered in good taste, as they interfere with the clear view across the table necessary when people
If soup is served, the soup spoon is
placed next to the dinner knife in the place most convenient for using first, a
if the dinner knife is farthest from the plate. The dessert spoon occupies the or it may be placed crosswise at the inner edge of the plate. One point deserves special attention-the knives, forks, and at right angles to the edge of the table, the edges of the knives should turn next he plate, and the forks turned prongs up. Throwing them down in any old less, untidy appearance. The water glass should be placed unvariably at the point of the knife, and the bread-andBread, butter, salt, pepper, pickles and caread, butter, salt, pepper, pickles and ginning of the meal, and may remain, only the crumbs being brushed away beore the dessert is brought in. For "tea" the bread and butter, cold meat (or sub-
stitute) and salad, are first on the table, and should be removed before the cake and fruit appear. A little side table or dinner wagon in a convenient place, with a white cheesecloth cover-all, will make The tea or coffee may be on the tab at the beginning of the meal-if the family prefer drink with the first courseor they may be brought on afterwards,
with the second course, or even at the end of the meal. Up-to-date medical science now advocates moderate drinking throughout the meal, provided "sups" are not taken to moisten food in the mouth; in other words drinking should that it is only when in liquid form that the food in the stomach can be taleen up and assimilated by the body.
By the use of a dinner-wagon, and
systematic arrangement of dishes, of the serving may be done at the table, with comparatively little running about, hence all the members of the family can sit down at once, the best way on a farm it kept. For ter for one member of the family to assume the duties of waitress, as this per mits the meal to go forward with less fea

## Smiles.

Little Mrs. Bride had almost everyshe was so abusistic inekeping, but that every one was glad to help her. para have some particularly fine asparagus, the marketman told her one
day, and he displayed a bunch for he admiration. "Picked not three hours ago," Mrs. Bride looked at it with unaffected amazement.
"I "Does it grow like that?" she asked, "I always su
ends of it."

Not So Easy.-Here is a story ond the front about have brought back from the front about Sir Douglas Haig.
Sir Douglas was, some.few weeks ago in a great hurry to get to a certain place. He found his car, but the chauffeur was missing. So Sir Douglas got in the ear and drove off by himself. Then the driver appeared and saw the car disappearing in
the disteanc the disteanc
cried the driver, "there's "Ay a-driving my car!" "Well, get even with him," said a Tommy, standing by, "and go, and figh
one of 'is battles for him." TTit-Bits.
-Dear Puck and Beavers.- This is my not see my other letter in print I thought I would try again. I have a pet dog and the cat's name is Nigger. We play base ball and "anty, anty I over," and many other games at school. There are some
woods right across the road from the school and it is just filled with flowers. My letter is getting long so I will close with some riddles.
Why is a Ford car like a school-house? Ans.-A crank at the front and nuts in
the seats. Why is a pig in the parlor like a house
on fire? Ans.-Because the sooner its put out the better.
Lloydtown, Ont.

Lorna Davis.


Plaid Table, Showing Correct Detail of Setting.

THE FARMER'S ADVOCATE.

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 1 nawion $x^{2} m_{1}=$ RAW FURS OTOM Iallam

TORONTO.

## Sydney Basic Slag

The British Government recognise the value of Basic Slag and are urging farmers to secure their requirements for season 1917-18 at once. See extract from Glasgow Herald, published in Glagow, Scolland, of date 14th August, 1917, as follows
"There is likely to be a larger demand for Basic Slag than
the greatest efforts of manufacturers will be able to supply the greatest efforts of manufacturers will be able to supply.

Farmers are urged by the Food Production Department to place orders with their usual merchants at once and to take | the erriesst |
| :---: |
| $1917-18 .$, |

Canadian farmers should we Basic Slag ar recommended by the British Government
THE CROSS FERTILIZER CO., LIMITED sydney, nova scotia


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A Woman's Greatest Beauty Is Her Complexion

## 



$\qquad$

61A College St., TORON

Current Events.
The Governor-General signed the
Military Serice Act in Toronto 28.

Upwards of 27,000 Canadian soldiers sent to the front are now in the various
hospitals.

American Food Controller Hoover has sent a challenge to Canadian boys
to outdo the German boys in production to outdo the German boys in production
work, as the American boys are to be work, as the

Earl Grey, former Governor-Genera of Canada, died on Aug. 29 at Ho
House, Northumberland, England

Sir Robert Borden and Sir Wilfrid Laurier will each nominate one-half of
the 24 members of the Board of selection to appoint one member of each section tribunal under the Military Service Act

The Stars and Stripes are now flying
beside the Tricolor at Verdun.

Lord Rhondda, Food Controller in Great Britain, is to take over the control
of the entire provision trade in the British

## ises.

At the State Council of Russia, which from all over Russia were present. The address of Premier Kerensky, who spoke to the Allies and the cause of democracy was received with great applause.

Last week President Wilson fixed the price-schedules for coal at the mines ${ }^{\text {s }}$
mouth, named a maximum profit for mouth, named a maximum profit for
jobbers, gave coal shipments for the other freight movements, and appointed as Fuel Administrator Pres. H. A. Garfield of Williams College. These precautions
will probably prevent coal speculators will probably prevent coal speculators
from running coal to prohibitive prices
during next winter

Bad weather with heavy rains has west front during the week, althought
Gen. Haig's troops made some gains in Gen. Haig's troops made some gains in
the region of St. Quentin. The Canadians, under Gen. Currie, are still pounding Italian front, in the face of terrible difficulties,
mountainous inseparable from the the Italians are still fighe country, ficently, and have advanced somewhat beyond Gorizia. - But far to the North, the important port of Riga has been road to Petrograd open to Von Hindenburg's men. The distance between the
two cities is only 350 miles ar East combined the Holy Land, Maude in Mesopotamia and the Russians in the Cancasua Aug. 31, the British, in the face of artillery Turk machineguns, drove back the combined near Gaza, in Palestine over 800 yards, that this may be the beginning of a con-

The Dollar Chain
A fund maintained by readers of The Farmer's Advocate and Home Magazine
for the soldiers and all who are suffering because of the war. Contributions from August 24 to
August 31: Mrs. Wm. L. Johnson, R. R. 5, Perth, Ont., $\$ 5.00$; Agnes Shaw,
Caledonia, Ont.,
$\$ 1.50$. "Toronto, (Hope), $\$ 2.00$; "Scotia", London, Ont.,
$\$ 1.00$.

## Amount previously acknowl- edged

## Total to August 31 <br> Kindy adress

\$4,873.05
\$4,882.55
Kindly address contributions to Th
Farmer's Advocate and Home Magazine

Founded 186
Tom Parker's Frog Pond BY Joanna nicholls kyis. When the schoolboys found out that
Tom Parker was bes. Tom Parker was keeping found out that of rogs for pets, they guyed him unfued aliso in which he had always beens ring leader. When tha always been the
boys met anmer came the boys met and talked the mer matter ote
resolving to call resolving to call upon him in a body an
and remonstrate.
Saturdan
 but he was prepared. saw them coning the fens Jim, his chum, who olimbed one one the fence and opened the attack.
"Hello, Tom, how're your cunning
little pets?" he demanded little pets?" he demanded
"Fine and dandy," replied Tom heartil "How're your pigs?", replied Tom heartil "All right, and I get at least ten cent apring?" asked "Two dollars a dozen," said Tom
soberly.
"This speech produced a roar of laughter lanterns hung all round the "He's go light them up at night, Tom?" Doyol "Ohre thing." Tom could hold his own. "Oh, say, fellows, let's come to the frog
concert. When does it begin and hor much do the tickets cost, Tom?" "Twenty-five cents admission al
round," returned the proprietor of pond, with a grin. "You fellows thint you're awful smart, but you come over of five minutes than you ever dreamed of When you go back to school next year the teacher, won't know you, you'l Thus invited, the whole posse scrambled over the fence and surrounded the pond "Whew! What a lot of tadpoles!" ex claimed Jim, with sudden animation "Going to use them for bait?" to be frogs. See here!"' and he led the way around the pond to a spot where he had marsh. "Watch those little stones in the up to breathe. They have dropped off their tails now, and are growing legs, that,"' remarked one incredulous believe "They do, for a fact. I'll soon guest. vince you," and Tom picked up a specimen in the transition stage.
"Say, that's funny, all right."
"Now," continued Tom, "he is losing water like a fish, and he is growing lungs to breathe air; getting to be amphibious, as the teacher calls it. They seem to be put those stones in for them to die. 1 up on when they get ready. "What do you feed 'em on? They are "Oh, all kinds of insects. When ther're little, they'll eat dead things, but when they get big they won't look at anything dead. They began to eat each other, and some of them starved. So I got these
lanters and lit ought to see the beetles and moths: never saw so many queer bugs in my life. I'm Woing to make a collection of some of them. Tom was in his element now by an admiring audience now, surrounded bit of red rag and tied it firmly to the string, of a fishing rod. "Don't need a watch 'em explained, meanwhile. "Now watch 'em jump," and he dangled the bait
alluringly over the marsh. "They just love anything bright-colored; think it is alive, I Very soon he caught the attention of a The frog leaped high in the air and caught the red cloth firmly in his mouth. him," exclaimed on there forever if Id let illustrate his assertion. After Tom had shown the boys his
collection of insects he found himself more popular than ever. The "bunch" peace. That fall Tom made several trips to town, which was about four miles distant, and each time he came home his face Winter came, and Ton Jim one day by letting him see his frogs
bury themselves bury themselves in the mud, preparatory "Why, there are just a few left. What have you done with 'em all?"' asked Jim in
surprise as he counted over the collection.

Seftember 6, 1917
"Got rid of em. Had too many," an swered Tom briefly. "Wish you'd given me some." "Fix up a place for 'em and I will" was the answer, and let the tell you a
secret, too, if you won't let other boys
know,"
And the two lads retired to Tom's room have a confidential cha
That was a hard winter, and even Tom knew that his father was having a pull to
make ends meet, although he never make ends much about his business. never had evidenty as he came whistling into the house, he overheard a few words which made him grow suddenly silent. "It's no use, Nace. "It was his hat note by twenty dollars. And I don't know any one round here that's rich nough to lend it to me. The worst part , it looks like I wasn't honest." and slipped into his chair at the supper table. He was an only son, but that fact and the consequent indulgence he had eéceived had not spoiled him; for he
loved both parents dearly. "Tom," said his fath urning toward the boy, "I'll have to drain that marsh, son. I'll need every "All right, sir," and Tom got out his lesson books; but somehow, he could not study, for there was a conflict going on in side his breast. Presently he rose, lit a candle and went to his room, a little closet apartment. Stooping, he drew from under the bed a box in which he kept his clothes and diving down to the bottom, brought ut an old pocketbook, whose contents he Twenty-two crisp dollar bills! Oh, how he had coveted the possession of a bicycle and soon he would be able to buy one! Tom had seen him gulp his supper down om had seen him gulp his supper down

THE FARMER'S ADVOCATE
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is undoubtedly the most economical and what appears to be 'cheap' in price will prove to be extravagant in use. The fresh young leaves of "Salada" will yield you generous value for your money.
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made comfortable and rich. Here, right at the door of Old Ontario a home awaits you.
For full information as to terms, regulations.and settlers' rates, write to:-
H. A. MACDONELL, Director of Colonization, Parliament Buildinge, Toronto, Ont

Hon. G. H. Fergueon, Minister of Lands, Forests and Mines
BISSELL Double Action Harrows will thoroughly cultivate

"These Harrows will be on Exinibition at 10 ouncu, Lonuon and Ottawa monstration, Toronto
and push away the dishes, and mother had eaten nothing, but had gone about
clearing the tabe face up his earmings, descenced tive staris extinguisted tot cancue, and then he in his arms upon the table
note, ${ }^{\text {a, }}$, say, pa, you can meet tha note, ,' Tom laid the toney upon his it. I've been saving up to buy a bieycle sut I don't want one now. You take it.' Mr. Parker stared at his son incredulous. "That' what I t pot froney" pond," Tom explained member when cousin John stopped here last March, on his way back from Wash ington city? You know he had been to pond. Well, he left an old report of the Fish Commission when he went away and I read it. It said there was alot of
money to be made sell ing tho money , be made seling. frogs legs
Id didn't believe it all, so $I$ went in town to one of the big wholesale dealers and asked him if it was true, He said yes that tiks , up at hee bighotels paida good Price on And sathe very fineal trous in the United States are found in Misouri, too. so took that covermment report
 a pond and raise em. I've learned to
dress 'em good, too, and if you'll let keep the marsh, प्रll try to sell to a hotel direct, nextyear:
his hyadd "boy," sait his fat her, grasping his hand, you shall have that bicycle
hext year if such a thing is possible. You've saved me more to-night, son than you can understand. As to the marsh, wedll enlarge the enclosure and
goi into the froe busines. Tell you what, it came in handy this year
Tom looked up at his mother. Her

##  <br> "KING SEGIS PONTIAC POSCH"

SEE HIM AND HIS GET AT OTTAWA EXHIBITION
Ninety per cent, of all individuals that make up my 1917 exhibit were bred at Manor Farm, and one hundred per cent. of these are by my senior sire, King Segis Pontiac Posch, No. 16627 C. H. B. (No. 112517 A. H. F. B.). Owing to having received so many enquiries from Eastern Ontario, the herd will be shown at Ottawa instead of London, as formerly announced. See his milking characteristics and those of his offspring at Ottawa. He will be delighted to see both old and new faces.
N.B.-There are a number of other daughters and a few sons of "King" that will not be out this year, After you have seen my exhibit, run up to Clarkson and see them. You will be pleased with these.
GORDON S. GOODERHAM, Manor Farm, Clarkson, Ontario

## Thandid  <br> 

HAVE FISH
$\begin{array}{cl}\text { HAVE FISH } & \text { Sportsmen- } \\ \text { IN } & \text { We carry a stock of Marble's Sights, } \\ \text { CAMP } & \text { Hunting, Knives, Axes and other }\end{array}$
 per cents lapsible camp sotse Tents, Packmounted with sacks, , Sleeping Bags, Dunnage Bags,
leads and floats Compmasses, Raincoats, Rods, Reels ready for the water, give size
of mesh
stretores of mos m .
stretohed mea-
sure desired.
 or the Allies, many will be disappointed this year in securing their favorite rifles, ammuthe other fellow has picked up the goods you want.
 SUP will
you moun moy
money

## - FREE

 HALLAM'S $\cdots \begin{gathered}\text { FUR } \\ \text { STYLE } \\ \text { BOOK }\end{gathered}$


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ata
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ion.
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ORIGINAL RUBBER PUTTY
Indispensable to Farmers
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 $S$ h 20th Century Piano is undoubtedly

proudest
ys' World.
What Every Disabled Soldier Should Know. The following, issued by the Military
Hospitals Commission, 22 Vittoria St Ottawa, will be read with particular satios faction by those who have sons woundel That there is no such word as "im.
possible" in the dictionary of the disabled soldier. That his natural ambition to earn : That he can either get rid of his dis ability or acguire a new ability to offset That the whole object of doctors, doing that very thing,
That he must help them to help him. effectual treatment known to science. That interesting and useful ooccupations ment in convalescent hospitals :-and sanatoria. he cannot carry out his first duty by rejoining his comrades at the
front, and if there is no light duty for him, with the Canadian forces overseas, he is taken home to Canada, as soon as
his condition and the shipping facilities his condition and the shipping facilities
make this possible That his strength and earning capacity will be restored there to the highest de-
gree possible, through the Military hospitgree possible, through the Military hospit-
als commission. als commission.
That if he requires an artificial limb or kindred appliance it will be supplied
That every man disabled by service will
receive a pension or gratuity in proporreceive a pension or gratuity in propor-
tion to his disability. That his-pension cannot be redueed by seif in some form of industry
till he is cured or till his pences continue That an extra three months' pay, field pay, and separation allowance when there are dependents receiving such allowance,
will be paid to all men returned from overwill be paid to all men returned from over-
seas and honorably discharged after at seast six months' service,-with certain exceptions, such as members or Pro-
Permanent Force and Federal or Pro-
vincial Civil Service who can step right back into their old positions.
That if his disability prevents him from returning to his old work he will receive free training for a new occupation. That full consideration is given to his cupation has to be chosen. tion will enable him to succeed, both in the training and in the occupation after. That his maintenance and that of his ing he may receive after discharge, and for a month longer.
That neither his treatment nor his That neither his treatment nor
training will cost him a cent. That his home Province has a specim-
commission to assist him in finding employment on discharge That hundreds of towns and villages have committees, associations, and clubs,
to welcome him on arrival, and to help in securing a position for him.
That the Dominion and Provincial Governments, the municipal authorities, and all sorts of employers, give the re
turned soldier preference in filling vacait positions.
That the returned soldier wishing to
take up land and farm it, will be helped take up land and farm it, will be helped
to do so, under Federal and other settle. ment schemes. That the military hospitals commissiond
exists to carry out his restoration and training in Canada. ers exists to distribute the Commissionvendent his country for him and his deThat the Military Hospitals Commission and the Board of Pension Commip
sioners are in the position of trustees, ap sioners are in the position of trustees,
pointed for his benefit, and representing the whole people of Canada. That, therefore, he should write direct
to the Commission or the Board if he needs advice or help. Canadians are unanimously resolved
that every returned soldier shall have a full opportunity to succeed. When that opportunity is put within his reach, his
success will depend on his own good sense

## The Windrow

"Camouflage" is an ancient art. We sed to achieve it with a big geography Boy" in school-Kansas City Star

The first recruit in Canada after Engand declared war against Germany, was Colonel Guthrie of the 238th Battalion of here his services for the front Since then he has received twenty-two wounds, but he is now with the "Mac wounds, kilties" on a recruiting trip through the United States
The Literary Digest draws attention to the fact that the manufacturers of pianos, victrolas, automobiles, type writers, cash-registers, sewing-machines and cotton and linen materials will be drawn upon heavily in the near future planes.

Another poet, Francis Ledwidge, of on July 31st. Beginning life as a farm laborer, like Burns he wrote at odd moments, and was finally discovered by
Lord Dunsany. Last fall his first, book of poems, "Songs of the Fields", was
published. He was but 26 years of age.

Many thousands of fruit-trees which
were girdled by the Germans before were girdled by the Germans before their retreat "from portions of France,
were at once "doctored" and bandaged in such a way that their lives and usefulness have been preserved. Even trees that were almost severed and lying on the scientifically and grafted back on the sciumps again in such a way that they are
stagain in full leaf. Surgery at the front is not altogether confined to humans.

The raising of Belgian hares for meat
is being recommended for war-time The-meat is highly nutritious, and the lawn-cuttings and green vegetation of any kind. When well fed they are market-
able when three or four months old.

The first Russian woman to fight in
the war was Apollovna Isoltsev, who the war was Apollovna Isoltsev, who,
in 1914 was accepted as a volunteer in a regiment commanded by her father
and was awarded the Cross of St George of the third class for discovering a tele hone which the enemy had hidden in a
loft and was using for the purdose of bis intelligence department. purpose of his until the formation of the "Battalion of into the ranlsear, many women slipped with credit. Madame Vera themselve leader of the Battalion of Death, is the hidow of a colonel. At the beginning of the war she enlisted as a private. She
has been six times wounded and has women's battalions are now being formed. "Little by little the Russian Govern Russia a message of faith in democracy German propaganda is seeking to sap Russia, German money is seeking to andermine the press and policemen and to s there we findre of treason. Here, oo lend themselves to the most terrible enemy of peace and justice and humanity
since the fall of Genghis neir nate, too, we see men who proclaim heir patriotism and sell their country orces of democracy, are long-suffering ake the power into their own hands. ware.-"Elihu Root, Head of the American Mission to Russia.

[^0]
## The Ingle Nook





A friend said the other day, "I have come to the conclusion that it is quite as necessary to be interesting as to be good -things with a snap things-this friend -things with a snap, and tang and aroma at her suddenly with the you glance up at her suddenly with the light of awaken ing in your eyes. You don't always, no even very often do that, when with people sually the conversational road is suc dead level that you are never startled, never aroused out of yourself, never
even challenged. Perhaps you yourself have fallen into the way of keepin all your best thoughts back because thoughts do not appear to be "the thing" But I don't believe this is the right way Why shouldn't we talk thoughts rather han odds and ends about folk and eighborhood events? Why shouldnt we learn to listen to differing opinions with courtesy and with an open mind, even when we cannot immediately,
n ultimately, agree?
eems to spok ver at the tip of her tongue, but perhap that is because she does not try to keep conversation always "on the heavy" she lets it be natural, but if, in the running order of things, an opinion comes to her he expresses il. She is always sponaneous. She never tries to be clever
She is just an honest thinker, who is so earnest in her thought that every no hen it simply must come to the top. that it is just as necessary to be interesting as to be good," she said, and I have just To be concrete: I know two sisters, one see, altogether good She as anyone ca the nice thing about people, she is ab solutely unselfish, she goes about doing good, she never gets in a temper, never is hopelessly tiresome. After an hour is hopelessly tiresome. After an hour the earth, to Mars, Jupiter, anywhere where there is a little interest.- Her
sister isn't nearly so pretty-to begin sister isn't nearly so pretty-to begi
with. She is not so self-sacrificing. On could very well imagine her in a good hot temper, should occasion present itself. But she is interesting. She ha opinions and is good-naturedly witty
She reads broadly and as a consequence is quite unorthodox in many things, but is all the way through alive. She is far-seeing, and if you have a very
bad fault, you know she knows it too. Yet the big things of the worl nterest her most, world-events and the possible trends which they are following they are leading. She is not, in short shut up by the four walls of her hone She is too big to be provincial. One
could not mention "narrow" in the same breath with her. As a consequenc
she is always interesting. One is glad to meet her, day after day, and eage to hear what she has to say. She any chance, bores,-and what so deadly And so, thinking of these two, I know necessary to be interesting as to be good." ossible for each of us to be interesting o everybody else-tastes differ so-but to be interesting to many people surel is only necessary to be broadty in terested, to keep alive, to keep stead al eady we occupy, and so keep our horizo onstantly widening. To in none. T be ready to talk on many subjects, and
above all, ready to listen intelligently on
ny; there is no one so popular as the good any; the.
listener.

Look the facts in the face
SUPPOSE you buy a $300-1 \mathrm{lb}$. capacity mail order cream separator for $\$ 60$, and the machin lasts about two years. Then your separator is worn out and your cost has been $\$ 30$ a year
You can buy the Viking Cream Separator, size C, capacit up to 600 lbs ., for $\$ 71.45$. More capacity for less money and the Viking with half-decent care wilt last ten yearsgreater capacity, doing more work and better work in le time.
will ure up for yourself what one of the highest priced separator will cost you per year, and compare it with the Viking cos
Consider these points carefully. Then choose the separator that really saves you money-first when you buy it, and afterward
$\underset{\substack{\text { PRICES } \\ \text { FROM }}}{\operatorname{Ack}}$ your dealer for free book
$\$ 26.70$
UP $\begin{aligned} & \text { or write us direct. It tells interestingly all } \\ & \text { the facts about the Viking ; why it is both } \\ & \text { high-grade and reasonably priced. }\end{aligned}$


Cream Separators of Quality


Consider
How many families you know that have benefited by Life Insurance-have, perhaps, beem
saved from actual destitution by the money paid by the Life Insurance Company. Think of the many families you know that might have been saved from poverty and hardshio Then-consider which of the two you wish your family some day to be-the benefited, or the
"might have been"! THE GREAT-WEST LIFE ASSURANCE COMPANY DEPT. "Z" HEAD OFFICE . . . WINNIPEG

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|  |  |
|  |  |
| perhaps, helping it thereby. Farming, gardening, flowers, poultry, forestry,friends, books, current events, nature Iriends, books, current events, nature,education, neighborhood clubs, flower-shows-not one of these is impossible to any rural district, to saynothing of the exercise of especial inding of the exercise of especial in |  |
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| I was pleased to receive, not long |  |
|  |  |
| columns asking for arints of paintings by the world's best artists only. It is no unimportant matter, this of adorning there ware children. Pictures as well as books and people exercise an effect |  |
|  |  |
|  |  |
|  |  |
|  |  |
| on character. Recognizing the truth of this |  |
| people of Toronto are establishing, a |  |
| connected with. The Grange, the fine old home that Goldwin Smith bequeathed to the city for |  |
|  |  |
| The step is a good one, and will do much to offset the effect of the hideous "Mutt |  |
|  |  |
| vulgarities in some of the papers. Uglinessand isiliness are neverelevating. Childrenshould never, if possible. be permitedto see them. Why shoulde they, when |  |
|  |  |
|  |  |
| there are so many beautiful and refining things in the world? |  |
|  |  |
| $\begin{aligned} & \text { Have you ever noticed how very } \\ & \text { unobservant some people are? All of } \\ & \text { us, perhaps, in some thingo } \end{aligned}$ |  |
|  |  |
| us, perhaps, in some things, and a few in almost everything. As an example: |  |
| you would be surprised if you knew howmany people address me, when writing |  |
|  |  |
| to this column, as "Dear Julia",Unce upon a |  |
|  |  |
| was a writer who contributed a series | 2 EXPERIENCED MEN WANTED FOR |
| of articles to an Finglish paper a over the pen-mame $I_{u m i u s}$ It |  |
| were chiefly on political subjects, but it was never tound out, for certain, who the |  |
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| to on's view) beiny "Jumius", but perdiaps thearguments which place theresponsibil- | "1900" Gravity Wash |
| as upoul Sir Philip Francis are the strong |  |
|  |  |
| - me when rast ting albout for a pen- |  |

and so it seemed easy to turn to the
feminine, "Junia", a sufficher surely, Junia, a sufficient revelation in thinking that the writer of these weerkty chit-chats is a man. "Junia"-not "Julia", nor is "Puck" of the Beaver Circle, ' "Pluck", auck many of the children call him, evidently tion results lurking in their sub-con.
sciousness. sciousness. The power of accurate observation
is a very useful one. Training in it
should not be neglected for it rought to bear upon so many of the
details of life. details of life.
The new fall suats are already in the
shop windows. Most of them rather long coats, some of them show pleats and many with belts, but the
skirts are much of last season, and will require less chose a consideration in this ware-time. The sleeves, too, are quite close-fitting, from
shoulder to waist. With them may be shoulder to waist. With them may be
worn a waist of silk, organdie, voile Geôrgette crepe. Of these silk is the most advisable for fall and winter, as it permits the wearing of heavier under-
garments, the only kind thiat the majority garments, the only kind that the majority
of women can keep to with safety in
cold weather.
An Unusual Query.
Dear Junia.-As I am a new comer I shall make my note as brief as possible h'lp. Please kindly tell me to where and whom shall I apply, so that I may
become dn actress for the movies; I shall be very grateful toward you. A movie actress? I haven't the wildest idea. Apply to the manager of your
nearest theatre for information. As it is very difficult to act well for the movies parts are kept for stage professionals.
Cleaning A Rattan Cradle.
For "An Old Subscriber," Oxford Co.i Ont. Scientific A merican gives the following method of cleaning wicker articles, of lime with 20 parts of water. Mix well until no crystals remain, then let stand, and run off the clear liquid into a this very thoroughly for about half an hour (small articles may be left soaking
in it) then wash off with hydrochloric in it) then wash off with hydrochloric
acid and water (1 to 20). Finally wash acid and water ( 1 to 20). Finally wash
in plenty of clear water and dry in a coot shady place. If salt and water If not too much soiled salt and water
may be used. Never use soap, as it yellows may be used. Never use soap
the fibre.

## Dear Junia.-Could you advise me how to rid my house of small flies, seem how to rid my house of small flies, seem- ingly to originate from a small white worm ingly to originate from a small whe in the earth. I have tried soap suds, ammonia factory results. If they do disappear they are back again in a few days. For potting I use sand, leaf mould, and manue. What is the cause and what could I do like to know before potting the slips, <br> Middlesex Co. Ont <br> Better repot the plants, washing the roots well and planting again in soil which has been baked to remove all insect life. Insects which seem conimed to the foliage only are usually removed mixtures sold for the purpose by any lealer in plant supplies

The Cookery Column. Rosy Apples.-Cook 8 rather large red
pples in the oven until soft, having them a dish with water to cover half the Rples, and turning them requendy
Remove skins very carefully, to leave some of the red color, and arrange on ${ }^{2}$
serving dish. To the liquor remaining serving dish. To the liquor remaining
in the pan add 1 cup sugar, grated find
of half a Bring to boiling point and let simmer until reduced to 1 cupful. Serve with out vanilla flavoring. Muffins.- Beat together 1 tablespoon
butter and 1 tablespoon sugar, then beat dd 1 cup milk, and last of all 2 cuns flour add 1 cup milk, and last of all 2 cups sifted with 2 teaspoons baking powd.
sither


September 6, 1917
Mix well as quickly as possible and put in warm butered mumm-pans. Bake in quanity will make 12 muffins.
Grape Catsup.-Five lbs. ripe grapes boiled and put through a colander; lbs. brown sugar, 1 pint vinegar, 2 tea of cloves and 2 of allspice, 1 level tablespoon pepper. Boil until thick enough and seal in bottles.
Sour Cream Salad Dressing.-To 1 cup
thick sour cream add $1 / 4$ teapsoon of salt, paprika and mustard, and 1 tablespoon lemon juice or vinegar. Beat un-
til thick and light with an egg-beater. Elderberry Pickles. - Three quarts elderberries, 3 onions chopped fine, 2
easpoons whole cloves, 2 tablespoons ground ginger, $11 / 2$ cups brown sugar, 2 cups seeded raisins, $1 / 3$ tèaspoon red pepper, $1 / 2$ teaspoon mace, 2 teaspoons
mustard seed, 2 tablespoons salt, $21 / 2$ cups vinegar. Cook until thick and put in sterilized jars.
Plum or Grape Marmalade. - Three pints grape or plum pulp cooked to a
mush and pressed through a colander, 1 pint of the skins (plum skins shredded), 2 lbs. sugar. May add raisins or chopped Green Tomato Preserve.-Three quarts green tomatoes sliced thin, 3 lemons sliced thin and cooked in $11 / 2$ cups water, sugar s liked. Simmer until thick. 3 green peppers, 3 onions, 1 cup sugar easpoon cinnamon, 4 teaspoons salt, $21 /$ cups vinegar, 1 teaspoon ground .allspice,
teaspoon ground cloves. Peel and cut teaspoon ground cloves. Peel and cu
tomatoes, add the chopped peppers (with out seeds) and the onions also chopped ine. Put in a kettle with remaining inredients, bring slowly to boiling poin Soft Gingerbread.-One beaten heaping tablespoons sugar, 3 tablespoon elted butter, 1 cup molasses, 1 teaspoo ing water, $21 / 2$ cups flour, 1 teaspoon soda. Beat the egg, add sugar, butter molasses, then the flour sifted with the in the boiling water. Bake in a steady oven, not too hot.
Crab-Apple Catsup.-Wash 4 quart ress through a colander. Add to and pulp 3 pints sugar, 2 quarts vinegar, easpoons cinnamon, 1 teaspoon cloves, vel tablespoon pepper, 2 level table Never use tin for cooking any kind ruit of pickles. Graniteware should be used, even a granite colander, as the touch thing tha Watermelon Preserves. - The rind should be preserved as soon as the melon weather, unless it is kept in a very cold place. Take two pounds of the rind with the peel and all the pink flesh re-
moved. Cut into small squares, and soak overnight in a solution of two can be full strength lime water (which a gallon of pred at a druggist's) added to used instead of the lime water. In the soak in clear water, drain well, then put on in rapidly boiling water for ten minutes three quarts of water. Add the jugr to one lemon and slice in half another Add the rind slowly to the boiling syrup and cook until the melon is tender and
transparent the stove and allow the contents to cool After cooling, arrange the pieces of rind in the jars, and pour boiling hot syrup
of medium density to fill. Partially tighten the tops of the jars, Partially for other fruits in boiling water for forty minutes. Remove the jars, tighten the tops, and place to cool, but not in a
draught. Some persons like the flavor of ginger with watermelon. To give this liminary sook the rind-after the pretion of a pound and a half of propor quart of water, and pint of strong ginger
tea strained. When the rind is tender on gingered syrup place in the jars, pour

The Scrap Bag. Stale Bread. stale wread in Pictorial Review says that bag and rolled fine, or put through

THE FARMER'S ADVOCATE

## Pennans Hosiery

THE STANDARD OF EXCELLENCE
Scrambling through brush and briers-racing over rocks and rough roads-climbing trees, fences and what-not, is good for children, but bad for most hosiery.
-Penmans, however, is made to


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ROOFING85



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corns between the toes, also toughened
calluses, just shrivel up and lift off so easy. It is wonderful! Seems magical!
It works like a charm! Your druggist
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Alloway Lodge Stock Farm Angus-Southdowns-Collics
$\qquad$
Robt. McEwen, R. R. 4, London, Ont.
ANGUS CATTLE
visit SUNNY ACRES FARM, or write to
Wm Channon \& Son, Oakwood, Ontario
Kennelworth Farm Aberdeen-Angus
$\qquad$
$\qquad$
$\qquad$
Beaver Hill Aberdeen-Angus Cows


Running Water for Country Homes


Empire wirn System
 No Mo Shoulders

More Horse-power
VENTIPLEX PADS

$\qquad$
Burlington Blanket Co., Ltd.


THE MANOR STOCK FARM---LINCOLNS
Lincoln ram hams from an in,
JOHN T. GIBSN, $\qquad$ Tom ewes tha sharard 18 ipx
DENFIELD, ONT. FLETCHER SHORTHORNS
()ur herd of Scotch Shorthorns represents Orange Blossoms, Kilblean Beauties, Matchless Mygies,
Missits, Clementinas, et., and is headed by the Watt-Stamford bull, Victor Stamford $=95959=8,8$
Toronto winner. Present offering-one roan Orange Blossom bull, 12 months old (a show animal)


September 6, 1917


## What is Your Best Horse Worth to You?

Yet your best horse is just as
liable to develop a Spavin, Ringbon iable to develop a Spavin, Ringbone, KENDALL'S SPAVIN CURE has soved many thousands of dollars in horse fesh by entirely curing these ailments.
E. Elstone, JT., Halibutton, Ot., writes:



 Dr. B. J. EENDALL CO., Enosbarg Falls, VL. 119 | GET THIS |
| :--- |
| ATHLETIC | FREE! FREEE! FREEE!!




Spruce Lodge
Shorthorns and Leicesters
 W. A. Douglas, Caledonia, Ontario. GLENFOYLE

## SHORTHORNS

 STBWART M. GRAHAM, LINDSAY, ont. PLASTER HILL HERD A few Dut-PURPOSE SHORTHORNS
heierers inoce bull calles coning on; also a few
 MARDELLA SHORTHORNS
 lis. milk, 474 Ibs. butter fat at the theave 13,599

Thiomas Gra ham. Port Perry, Ont., R.R. No. 3 Brownlee | Shorthorns, |
| :---: |
| of young buils, $\begin{array}{c}\text { rangs a a choice } \\ \text { lot }\end{array}$ |


 Choice Stock In Shorthorn Cattle, Poland Swine. Many China and Chester Whint
See us at the Exhinumers at the best ehows.

THE FARMER'S ADVOCATE


Terrible Forest Fires From Trifling Causes.
A man dropped a lighted match on the
shore of Kalamalka Lake,
British Columbia, on Jolay yth last. Wi.thin an
hour a hot fire was racing through the
hit there raged a series of forest frires der dying
the organized efforts of hundreds of me the organized eflotrts of hundreds of men.
At one time 26 fre fighters were ringed
atout with flames while their relatives about with flames while their relatives,
shut off from them and helpless to aid? awaited news in terroized suspense.
Only after severe suffering from ex haustion, thirst and hungerng did the eband
of workers force their way through to safety. experience is a big price to pay
That an epers forlish act in handling
for one person's fool for one person's ioolish act in handling
matches in a forest. The court fined the
careloss man $\$ 5$ t be that
 One lighted match dropped on one inch
inflammable ground expanded into of inflammable ground expanded into
fifteen miles of ruun In the Spruce $V$ alley fire of British
In Columbia of the same month, eleven men
lost their lives, most of them tortured lost their lives, most of them tortured
to death as they struggled over the mountain tops. The fuse to that disaster was
thuplied by a small piece of lighted
s. tain tops. The fuse to that disaster wa
suppliced ob amall piece of lighted
tobaco carelessly thrown on the grass thoorco o tentessy thrown on the grass
Ninety out of a hundred tragic hold Ninety out of a hundred tragic holo
causts could be avoided di everr canalian
camper and fisherman kept vigilant watch Camper and fisherman kept vigilant watch
on his own pair of hands. and every
on setter kept a tight rein on his clearin
fires. It does not cost five cents or fil minutes to put out a camp fire or a cigar
ette or a matct, but it costst the people
Co Canada four or five million dollars a year
to partially overtake the timber damag caused by runaway flames.

Suggestions on Saving. Following are suggestions put forth by
Hon. W. J. Hanna, Canalian Food Con
Use perishable foods.
Save
 abundantly this sumb
can and store.
3. Substitute other cereals for whea products-cornmeal, buckwheat flour, rice
flour, and above all oatmeal. 4. Don't throw good food into thi
Krbage can; $\$ 50,000,000$ is wasted every year in this country by carelessness in the kitchens. ${ }_{5}$. Preach once more the good old fashioned gospel of the clean plate. D
not let children waste food at their meals Do not waste it yourself. 6. Organize. Various women's organt
zations are already active. Their leader will tell you what to do. Get in touch
with the workers in your own district.

Ouestions and Answers. Miscellaneous.

Mortgage Discharge
 get the mortgaze dist
who has to pay for it?


Dependable Spark Plugs are Standard Ford Equipment
Since 1911 - Champion " X " has been the exclusive
Spark Plug Equipment on every car turned out of the enormous Ford faztory.

NICHOLSON'S SHORTHORNS

OAKLAND---50 SHORTHORNS


## SHORTHORNS

Imported and Canadian bred. A. G. FARROW, Oakville, Ont.
SPRUCE GLEN SHORTHORNS
 SPRING VALLEY SHORTHORNS


Blairgowrie Shorthorn Offering

Glengow Shorthorns, Cotswolds


SALEM SHORTHORNS
 Robert Miller, Stouff ville, Ont.
 Write for anything in Shorthorns or Shropshires. One hour from Toronto
Maple Shade Farm—SHORTHORNS


## IMPORTED SHORTHORNS


Welland District Shorthorn Breeders' Club


Louden Barn Equipments SAV TMEE Save Laboritsive Erpense LOUDEN MACHINERY CO.

## Don't Let Your Money Rot

等 Standerd Steel Tubbe \& Fence Co.,Woodstock,
Ontario.

The Hawthorne Shorthorns and Leicesters Heifers and cows with calves, and a few bulls. 1 extra good shearling ram, and ram lambs, and several
real good grade ewes.
Allan B. Mann

## Clover Bar Holstein Bulls

 of his dam and sire's dam averaging 31.87 lbs. of butter in 7 days and 102 lbs. of milk in 1 daty. We
also have females atr
P. SMITht SENSATIONAL OFFERING IN 30-LB. BULLS
We have at present several 30 -ll, bred bulls, all nearing serviceable age, that must
go out to several of the country' best herds



KING SEGIS WALKER'S


## Ontario Grop Statistice

 The following statistitse of the prindel turns made by farmers to the Onterin Bureau of Industries, and the yietdere
en
estimated by estaf of correspondents who gaxe arerieneded
stan yields according to conditions on on Aubue
10, Fall Wheat- 585,946 acres will pran duce $13,548,267$ bushels or 23.1 pet peom
as axainst
and
 bushels in 1915 . The annual averareforn he 35 years, $1882-19196$ annual waveraget tor Spring Wheat-182,957 acres, 3,89 .
 per acre in 1916 ,' and $3,439,499$ bubhestin 915. Annual average 16.1.
Barley. - 551,296 acres, $19,365,329$
 88 acres, 1915. Annual average 28.0.

Oats. $-2,763,355$ acres, 118,09213 bushels or 43.0 per acre as against 2 200. 2cre in 1916, and 120,217952 tubest
 Ryo. - 133,077 acreses $, 2,305,60$ bubleb
or 173 per or 17.3 per acre as axainst 148,738 ares
$2,354,410$ bushels or 15.8 pers 1080
 and $3,210,51$
average 16.5 .
${ }^{2}$ Peas.. 90,322 acres, $1,635,963$ bubhed or 18.1 per acre as azainst $9.5,52$ asisis
1,243979 bushels or 13.4 per acre in 1010 $1,243,979$ bushels or 13.4 per acre in in 1016
and $2,043,049$ bushels in 1915 . Amoul verage 19.

785 acres, 1,535,683 bushels or 13,4 per acre as againast 53,909 arres, 583,105 busheis or or 10.8 per 1008
in 1916 and 888,819 buhhels in 1915 Annual average 16.7 .
Hay and Cover (not including alaflat). ${ }^{3}, 3,38,579$ acrese $6,156,340$ tons or 1883 per acre as against $3,24,419$ acres, $6,7 \% 0^{-}$.
259 tons or 2.046 per acre in 1916 and
 ${ }^{1.45}$ The acreages in other cros to thich no estimates as to yield have been made at this date are as follows: Buckwhet 153,457 against t29,205 in in 1966 com lot husking, 255,935 against 258,322 ; orm
 against 42,793 ; sugar beets; 22,000

 alfolfa, 189,109 against 177,565 .
There are $3,509,945$ acres of deared land devoted to pasture: 232,679 in sim mer-fallow against 331,736 in $1966 ; 200$,
 9,882 in vineyard; 58,297 in farm gardersiz
37,732 in rape; 5,242 in tobacoco; $, 7,22 i \mathrm{in}$ fax.

Questions and Answers.

> veterinary.

Stiff Cow.
Cow calved last spring and retained the afterbirth. My veterinarian remover fit She milk fairly well and looks welle stien
is on qood pasture, but has been sifil is on good pasture, but haugh heic had
ever since calving, as though ever since
rheumatism. $\qquad$ Ans. - Your diagnosis is probably
correct. Avoid exposure to wet or owd. correct. Avoid exposure to we or ordid
Keep bowels moving freely by badmitit Keep bowels moving freely, by damioly
tering a pint of raw linseed oi occasionly
 acid 3 times daily. Bathe the joins of the affected limbs well 3 or 4 times dilly and after bathing rub well with $v$.
camphorated oil.
campora
Baron Rhondda, Food Controllerod Great Britain, is considering the fixation of the price of a $31 / 2$-pound loaf of war bread at 8 cents. This compares with II cents for $11 / 2$-pound loaves in mitain,
Canadian cities. That is, in Briter bread from Canadian wheat or flour after travelling 3,000 miles at high rates, mia sell at 5 cents a pound, while in Camader the price is 7 and 8 cents and often mis is a situation for which the Canadian Food Controller is seeking the remedy, and if necessary he will fix prices. But first he must be sure of all his facts. In aly
event, however, Canadians must eat tes bread and substitute other foods

THE FARMER'S ADVOCATE.
all Plowing For Burley. Experiments conducted on the Harrow Tobacco Station, for the past two years,
in which fall plowing was compared with spring plowing have proven quite con-
clusively that fall plowing is not only a good practice but is profitable.
Plots which
every instance, retained the moisture, in a much longer period of time and given
heavier crops of tobacco which suftered heavier crops of tobacco which suffered
less from drought than plots on land of
 plowed.
Even on land of a fairly sandy nature
this has been the case; and it has been found that even though this sandy loam runs together during the winter it can
easily be prepared for tobacco in the spring, by discing it thoroughly,
Fall means of conserving moisture and improving the mechanical condition of the
soil, but also as a mean the insect pests of tobacco. Plowing after September 20try has been found
very helpful in destroving the larvan cut worms and the tobacco horm worm.
D. D. DIGGEs, Supt. Harroo Station

Gossip.
Robsons' Shorthorns and Lincolns. Attention is directed to the advertiseShorthorn cattle and Lincoln sheep the property of R. S. Robson \& Son, Den-
field. This old firm of well-known stock breeders are offering some attractive stock. articularly will our readers be interested which should have arrived in July but which is expected home from quarantine
some time this month. They comprise some time this month. They comprise
sixty head, including forty-two yearling sixty head, including forty-two yearling
ewes and eighteen yearling rams from the equiring something extra in rams should see this lot. Messrs. Robson report trade brisk and business good. Sales have ber of home-bred rams and ewes and ram ambs to offer from Dean and Howar
rams. The Shorthorn herd will bea close inspection and some of the best
families are included. Look up the advertisement and get in t
Robson \& Son, Denfield.

Till the Soil and Feed the Soldier.
Dovercourt Road OE KCLLY Keep Your Live Stock Healthy and in prime condition by supplementing the
ted
thith Linseed oll cake" Maple Leaf brand" With a trial ton order. we will send you free,
Whe
the disisatasersinarathn," a valuable book about

| THE CANADA LINSEED OiL MILLS, Ltd. |
| :---: |
| Toronto and Montreal |

Pure Cottonseed Meal
"Pixie Erand",".....41\% protein, fat $5.50 \%$
 srowing State in the South. Par lots or less,

Manor Farm Holsteins hiose wishing a young sire from
hishhrecord dams and sired by
King Segis Pontiac Posch, will do weif write for pedigree and

## Gordon S. Gooderham

Record Holsteins





 WillowleeHolsteins

[^1]September 6, 1917


The pail and teat-cups are suspended from
the cowis back. The teat-cups cannot falito
隹


 | $\mid$ |
| :--- |
| desestibing the special features of the omegn. |
| C. Richardson \& Co., St. Marys, Ontario |$|$

## FEEDS

Cotton Seed Meal
Corn Oil Cake Meal
Dingeed Oil Cake Meal

Scrath Feeed
Fattening Ma
Laying Mas
Mill Feed
If it is anything
In the feed line, we have
In lots or less. Write or 'phone for prices.
CRAMPSEY \& KELLY

Edrror "The Farmer's advocate:
While the soldier is digging the trench and turn it well. The soldier is not merely doing his work, but is doing it with skill and in accordance with the
rules of advanced art and science. He rules of advanced art and science. He
is not a bungler, but works with mathematical precision. As the result of a few months' drill he becomes a trained man and an adept in new, strenuous and
dangerous situations. Should not the farmer, with his years or life-time of experience and educative opportunities, be an adept in his peaceful pursuits, far reness in the farmer's work mean "increased production," and increased production is
the urgent and vital need of the soldier the urgent and vital need of the soldier of the world-as the most effective means
of warding off the darkening spectre of starvation.
The need is .of the hour. The time for action is now. Let us keep the plow,
the hoe and the cultivator going. The call is for strenuous, earnest, productive
work along all lines. There is no time for dallying or half-hearted, indifferent thoroughness. Plow, harrow, roll, fertiSow in time to secure good autum growth. Have fine, mellow surface seed-
bed, with compact substratum to prevent winter "heaving.
Kent Co., Ont

The statistical reports show that the extensively carried out in the United States. Two hundred and twenty-two
per cent. more were planted in 1917 than in any previous year; that the area planted amounts to $1,175,000$ acres mor
and that this garden truck means $\$ 350$, and that this garden truck
000,000 worth of foodstuffs.


## CHOICE YOUNG HOLSTEIN SIRES

I am offering a few choice young bulls at bargain prices. These are
grovthy healthy, and great individuals. While the bargeins last is the
time to
 Oak Park Stock Farm - R. R. 4, Paris, Ont. - W. G. Bailey Sunnybrook Farm Holsteins
SELLLING QUICKLY-A limited number of young bulls and heifers from approved cown, testing
 jos kilgour, Eglinton, Ontario; or Phone Toronto, Belmont 184, Adelalde 3900 HIGHLAND LAKE FARMS
SOME OF THE BULLS WE HAVE FOR SALE AT ATTRACTIVE PRICRS
Bor May, 1917, two nearest dams average
 Thesl of Avondale Pontiac Echo, our herd sire (under lease) a son of May Echo Sylvia, the Wend for certended pedigrees and prices on these and others, a few of serviceable age, one from 111-1b. cow. We guarantee satisfaction. Twenty-five fem, les for sale.
(Farm at Stop 55, Yonge St. Radial) JEFPRRSSON. ONT.

## Hospital for Insane--Hamilton, Ont.

Present offerings are 4 grandsons of Dutchland Colantha Sir Mona, and high-testing, large-producing R. of P. Dams of Korndyke and Aaggie DeKol
breeding. Born during April and May, 1917. Apply to Superintendent.

DUMFRIES FARM HOLSTEINS 175 head to choose from, $\begin{gathered}\text { Special offering-bulls from one month to one year old. } \\ \text { Visitors always welcome. }\end{gathered}$
S G \& ERLE EITCHEN
ST. GEORGE, ONT.
SILVER STREAM FARM HOLSTEINS
Present offering:-One bull, fit for heavy service-a straight and good individual of richest breeding.

EVERGREEN STOCK FARM
REGISTERED HOLSTEINS Just now we are offering a very choice young bull, five months ond, whooe five nearest dame average
over 30 ius. of butter in seven days and A. E. hulet,

CLOVERLEA HOLSTEIN-FRIESIANS
Stock for sale, all ages, from choice, high-testing dams- 75 head to choose from. Our ppecial offering
is a few choice heifers, due to freshen in September or October. Personal inspection is invitid
GRIESSBACH BROS.


## Cream Wanted

Ship your cream to us.
We pay all express charges. We supply cans.
guarantee highest mar-
ket price.
Ontario Creameries, Limited London, Ontario

# CREAM <br> We are open to boy cream both for churn ing and dable use. ASK ANY SHIPRER <br> ASK ANY SHIPPER <br> Ask for Prices. <br> The figures of yesterday may be too LOW tor to-morrow. We furnish cans. <br> The Toronto Creamery Co., Limited Church Street, Toronto 

Wenty five years breeding Registered Jerseys and Berkshires





SUMMER HILL HOLSTEINS



## Jersey Cattle by Auction

## Tuesday, Sept. 11, 1917







Geo. W. A. Reburn, r.R. No. i, North Hatley, Que.

 Young BRAMPTON JERSEYS Bulls
 THE DON JERSEY HERD-

## NOTABLE ROMNEY EVENT

## 300 Yearling Ewes 25 Yearling Rams

From the best Romney Flocks of England
Arriving September 1st


## LARGEST IMPORTATION EVER MADE TO AMERICA

The Romney sheep is perfectly adapted to Canadian farms. Wherever a very hardy sheep is desired, with lots of wool of good quality, and the faculty of transmitting that wool to its offspring, Romneys are chosen by those who know. The Romney is the hardiest of English breeds, best able to endure cold, wet, storm and hunger. It is a good shearer, and the wool is not too coarse. It is more resistant to parasites than any other type. Its mutton is better than the mutton from other breeds, having more lean flesh mixed with fat. Romneys make large profits for their owners, even in competition with the wool and mutton of the world. In New Zealand they are the mainstay of the country. In Australia, Argentina, Paraguay, Brazil, Patagonia, and most of the Western States, Romney sheep are the preferred breed. Write for further particulars

## J. H. PATRICK \& SON

ILDERTON, ONTARIO

Fernbrook Ayrshires LAKESIDE AYRSHIRES
Young bulls for sale (out of R.O.P. dams)
from one to fitten month old; tracing
closen
from one to fifteen month old, tracing
closely to the teold's hampions,
claugh May Mischider and Jean Armour-
COLLIER BROS., Beachville, Ont.
A few young bulls for sale from Record of Performance dams. , imported and Canadian-bred,
sired by Auchenbrain Sea Foam Cimp.) 35758 ,
grand champion at both Quebec and Sherbrooke. GEO. H. MONTGOMERY, PROPRIETOR, Dominion Express Building, Montreal, Ouebec
D. MCARTHUR, MANAGER, PHLLIPSBURG, QUEBEC,

## GLADDEN HILL AYRSHIRES

 We are offering some choice young bulls, nine months of age from splendidLAURIE BROS.

Hillhouse Ayrshures F. H. Harris, Mt. Elgin, Ont.

Haded ho Bumside Lucky Mater Sevel a oom.


 invited. SUNNYSIDE AYRSHIRES

| AYRSHIRE <br> The Cow for Profit <br> Canadian Ayrshires Breeders' Association <br> W. F. STEPHEN, SECRETARY-TREASURER |
| :---: |
|  |  |
|  |  |



 D. M. WATT For imported or Canadian-bred Ayrshires, bulls or
females, get my prices. My importations win
wherevershow. Write me for one animal or a
warload. St. Souls Sta tion, Que.

## FARNHAM OXFORD DOWNS

 Special attention to fuck headers. Both yearlings and ram lambs, also a few Hampshire
ram lambs and one hundred superior range rams comprise our offering for the present season.
HENRY ARKELL \& SON, (Tel. 355 r 2, Guelph) R. R. No. 2, Guelph, Ont., Canada. Shorthorn Cattle and Lincoln Sheep- Young cows and hifife of the


3mburANOKA FARM SHROPSHIRES





Questions and Answers. Miscellaneous.

Hawk-Moth Larvae.
What is the name of the worm enclosed? Is it injurious to plants or trees? Ans.-The worm received at this office was the larvae of Sphinx cheris, or Hawk Moth. They feed upon leaves of larvae stage, and at times may cause considerable destruction to the foliage However, it is seldom that they occur in very large numbers at one place.

Cow Fails to Show Oestrum
None of my cows are coming in season this summer. They all freshened early
in April. What is the cause and remedy? Ans.- Such conditions may occur withing a calf will not come in heat as soon as one that is milked by hand. It is good practice to allow a bull to run at pasture drams nux vomica three times daily to each cow has apparently had the desired effect by stimulating the nervous system Feed the cows well.

## Marked Check.

A farmer having his cash in a local bank, bought a load of cattle on the
Toronto market and was advised by the seller to have the local bank manager mark the check payable at par in Toront there. The manager refused to do this but charged one dollar (\$1.00) per thousand to transfer the money. Was
that right? Ans.-The exchange on such a check is generally figured by banks at one-
eighth of one per cent. Your local bank eighth of one per cent. Your local bank
manager was justified in making the charge. Of course the check would be
cashed at par in Toronto, no charge being cashed at par in Toronto, no charge being

Peter Hamilton Ensilage Cutter and Blower


MACHINES FOR EVERY NEED MACHINES FOR EVERY NEED We Mrea machoce wilud to vour nede, ind
 wide willoiltob wion
 fetze Himition co.



## Yorkshires

Young sucking pigs, both sexes; also young sows, four monthsold. Address

## Weldwood Farm

Farmer's Advocate LONDON
Tamworths
Young sows and boars from
several litters just HEROLDS FARMS, Beamsville, Ont Meadow Brook Yorkshires Sowis rod for sept. and oct farrow, and a fer


## TAMWORTHS

## young sowe bred for Fall

No. 1, Corinth, on YORKSHIRES $\begin{gathered}\text { Sows } \\ \text { not } \\ \text { yet tred. } \\ \text { 17. }\end{gathered}$ ${ }^{3}$ wimonthe, oo to thoose from way your wanti. \& Sons, Woodville, Ontario Morriston Tamworths and Shorthorns red from the prize-wining herds of England
Tamorthe both bexee, boars from 2 to 12 months
 Champion Berkshiree- When bying
 out of winners, including champions
W.W. Bothn, Berse
Ber Berkshire Pigs Reribetered stacolk, choicely Jigs all agee Can surdy hirn ion akin

Questions and Answers. Miscellancous.

Hydraulic Ram.
How much fall would I require to raise water 25 or 30 feet with an hydraulic ram What size should the feed pipe be, and what size the discharge pipe?
Ans.-As little as 18 inches of fall will be sufficient with some hydraulic rams, but when raising water to 30 feet the would deliver a very small quantity the water flowing through them, the remainder being lost through the waste valve. A fall of 3 feet would raise a fair quantity of the water at 6 feet it is estimated that one-fifth the supply would be delivered. For a medium-sized ram the feed pipe should be about $11 / 2$ inches in diameter and five times as long as the height of the supply. One-half inch pip-
ing would be large enough for the discharge.

Hired Man Quitting
I hired with my boss for a year from Ming to enlist all'summer but didn't like to leave in harvest, for it is not very considerate to eave in the busiest part of year, but would ike to know how much money 1 shouid get in a ert say the firs collect wages before his time is up if he wants to enlist?
Ans.-Without knowing all circumstances it is difficult for us to say what the correct amount should be. of course,
according to contract you cannot until your year is up, but in view of the fact that you desire to enlist and are willing to help the farmer through with the harvest irst you should be able to come to some arangenen between yourthe most important part of the senso we should say that you should have ful wages at the rate of hiring for the time served, but tiss is a mater to be amicably settled between yourselves.

## Calves Chewing Wood.

What have two calves that chew wood What is the cause and cure? Thes
calves will stand and chew at their manger or wall for an hour at a time. They are
fed a warm drink made of scalded dlings and separated milk, also somed midoats and bran mixed together, besides good hay We tried feeding them bone meal in their drink, but it had no effect. A yearling heiter was much the same way
last year and she gradually failed in flesh.

Ans.- Cattle chewing wood is an inin the system. It is a habit oftentimes caused by a deficiency of mineral matof bran and good clover hay caves plenty ollt every day. The bone meal should help to bring up the mineral part of the ration. Administering a mixture of one dram each sulphate of iron, nux vomica,
gentian and 2 drams of phosphate of lime three times daily may help.

Weights of Grains.
Do you publish a notebook containing the weights of the different kinds of
grains, vegetables, etc, per bushel? grains, vegetables, etc., per bushel?
Ans.-We do not publish a book containing this inlormation, but the follow
ing are the Dominion official weights bushel of some of the grains, grasses and
clovers:

## Wheat.... Oats......... Barle. <br> Oats..... Barley... Corn.... <br> Burkwheat Flax........ <br>  <br> Red Clover <br> Alfafla.... Alsike... <br> Alsike.... Timothy. Turnips.. <br> Turnips. Carrots... <br> Onions. Potatoes

TheLaborer turns Manuläcturen when a Farmer Invests in a TORONTO GASOLINE ENGINE
 the comforts and conveniences of the city manufacturer. farm-running the fanning mill, root pulper, cream separator, grindston pump and churn. It handles the heavier work-grinding, sawing wood outting hay, straw and ensilage and filling the silo-with minimum expense water throughout the house and stable.

## TORONTO ENGINES

with their rugged simplicity are always on the job, easy to start, alweys unde Made in five sizes- $-13 / 13 / 14,6$ and 8 logue Illustrator the different slizes, ,iving



Ontario Wind Engine and Puinp Có. Limited TORONTO and MONTREAL.


THE RIGHT P TO PAINT RIGHT A. RAMSAY \& SON CO. G For wear and beauty of Makers of Fine color they are unsur-
Paints and


ELMHURST LARGE ENGLISH BERKSHIRES
 OAK LODGE YORKSUIRE HOGS
make it attractive selection of eretran-good doart and sows of dififerent
J. E. Brethe purchaser. Write for what you want.
J. E. Brethour \& Nephews.

SEPTEMBER 6, 1917


OUR LATEST IMPORTATION OF CLYDESDALES


Whee writing advertisers will you kindly mention The Farmer's Advocate?

## 癸IIIIIIIIR <br> T'LL take the chance of my early death," you say. <br> But you don't take the chance-you compel your wife and little ones to take it. Do you think that's fair to them? <br> Don't risk their future welfare! Invest a few dollars each year in an Imperial family if you should die-it will care for yourself if you live to old age. <br> Our free booklet, "The Creation of an Estate," tells more about it. Ask for a copy to-day. You'll find it interesting. <br> THE IMPERIAL LIFE <br> Assurance Company of Canada HEAD OFFICE - YORONTO <br> Branches and Agents in all important centres



BE INDEPENDENT
IT IS Your savings, not pay checks that count The average town worker with a family cannot save more than $\$ 120$ a yoar Rent, food, clothing and expensive amusements take the rest Farmer has a yearly turmover of $\$ 500$ and up, his own.
OWN A WESTERN FARM by Homesteating along the lines of the Canadian Northern Railway.

CANADIAN NORTHERN RAILWAY


Rebuilt Traction and Portable Engines and Threshers Suitable for Farmers and Threshers' Suitable for Farmers and Threshers'
use, at very reasonable figures. The Robert Bell Engine and Thresher Company, Limited skaporth, ontario


The Ducks are ready. Are you?
What for? Why, the "fifteenth" of course!
Summer days are slipping past. Almost before you know it the magic "15th September" will be here, and the few precious duck shooting days will be with us once more. You want your share, of course, so just see if your Shot Gun's description reads like this: "Six shots. Positive slide action. Easily and quickly loaded. Smooth working. Rapid in fire. Solid breech, closed top and sides. Loading and ejection at bottom, avoiding twigs and dirtshells, smoke and gases go down." If so, it's a Remington UMC Pump and you'll get your birds all right

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\begin{aligned}
& \text { Pump guns, shot } \\
& \text { shells, rifies and metallics } \\
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19. There are over 1,200 inspection points in the manufacture of a Remington UMC Pump Gun-and it must pass A1 at every point or the arm is rejected.


Remington UMC, loaded Shot Sholle are unequalled for sped, penetration, "pattern" and reliability,
wand ${ }^{2}$ Nituo Club,"steel lined, and "Remington" are omokeless faverits; black powder weers bear by

22.Remington UMC Rifaet, all citibres, including repeaters, from

12. Where you see the Remington UMC "Sporlsmen's Headquarters" sign it shows the best store to deal with.

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