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Voz. LII.
LONDON, ONTARIO, OCTOBER 25, 1917.

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## _ ANNOUNCEMENT

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$\begin{gathered}\text { Standard Steel Tube and Fence Co. } \\ \text { Limited } \\ \text { Woodstock, Ontario }\end{gathered}$


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When you are ready to work I am at your service, to do as you direct, without fear of whip or utterance.
When the day's work is finished for you, go rest yourself-stop my heart-beats for the time, or send another man to guide me, for I am never tired.

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I turn quicker than your team. I turn on six feet of land.
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I have a strong right arm. It is a pulley. It is at your service to pump Water, grind Feed, or thrash Grain.
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# The Farmer's Advocate and  SUCCEED Home Magazine 

## LONDON, ONTARIO, OCTOBER 25, 1917.

## EDITORIAL

A clean stable turneth away losses
Let's plow! There is no need to electioneer
Stable the stock early to avoid loss of flesh or of milk.
The politician who has a grouch just now belongs to the win-the-election party

There should be no need of mud-slinging now that Canada has a Union Government

Canada is approaching the real testing time in the war. Canadians will not falter

If you have made any extra money this year a good investment is available-war bond
Feed is dear. So are feeders. But the good cattleman can make it pay if he has the right kind of cattle.
God loves a cheerful giver to the Red Cross Fund. Help the good samaritans to carry comfort to the firing line

Plan to manage the farm with as little labor as practicable, and yet produce the max mum possible with the help available

This country is about to send more men to fight. Plans must be laid to feed the fighters and supply them with every possible comfort

The successful live-stock man takes years to build up his business and does not dispose of his best stock in a few hours. He keeps the good ones.

The shorter the daylight the greater the necessity to push the work. A satisfactory spring is impossible unless the fall work is well advanced when winter sets

The farmer who has been depending entirely upon single men for hired help may find himself with no help next winter. Again a cottage for a married man
wins out.

The Food Controller has decided not to set the
price of potatoes at $\$ 1.25$ per price of potatoes at $\$ 1.25$ per bag to the consumers.
He has found out that it cost something to produce spuds this year.

It is a mistake to say that it is just as easy to keep top-notchers are produced and maintained only with considerable effort. But they doubly repay the owner.

Why is it that the man who thinks he could farm far better than the farmer farms is usually at some other work, while the farmer who thinks he could do somea queer world.

Investigation shows that there are too many cull horses in America, but a great scarcity of the best type themselves accordingly and breed for weight and quality.

Union union is strength. Now that Canada has a felt even more and more in the fight strength should be will go to the front, but as they go those left at home should remember their duties are greater. All can help.

## Seeing and Thinking.

A correspondent in an article in this issue points to a few actions on the part of pleasure seekers which do not fit in very well with the calls now being made upon those who have the cause of liberty and justice at heart. While he toils long hours in his fields he notices that the river bank is well lined with fishermen road which passes his gate is lined with cars which speed for the pleasure of those in tonneaux rather than on business bent, as evidenced by the fact that when it rains no fishermen fish and few motors honk their noisy way along. There is some truth in what this noisy ways. Of recreation anyone must have a little. The farmer gets the least time of all. But if he be an servant person who he should he has his daily, The fact recitive mome while at those who run the fact remains, however, that among those wo preasure are to be fond a number of the loudest talkers against production and noisiest of the clamorers for greater of the laboring mond silks, saboring man. It is like the milionaire's wife in from, satins, picture hat and expensive furs alighting cottager to get the frugal and thrifty wife of the the cottager to get the frugal and thrifty wife of the latter to sign the food pledge card-a mistake. Canada is at war and everyone should realize the fact. It is not gone shat the homes from hearts have gone should do all the worrying. This war touches all, whether they be orer-indures, whether they be in car or whatnot, is culpable. The and pive toest and give till it pinch $s$, one or all three, is not doing his support or Conad ber support of the troops at the front.
Our correspondent draws attention to his farm work. He is preparing for a big crop and more live stock next year, and withal he does not forget the most important crop of the Canadian farm-children. A farm may produce big yields of grain and roots, may be the home of the choicest heifers, or the heaviest milkers, may boast the weightiest drafters or the fastest trotters, may stable the wooliest of the golden-fleeced and the longest and finest of bacon hogs, but its chiefest value is as a place to raise men, and women too. Of
what real value would our farms be if it were not for the men raised thereon?

## Partyism Buried in Union.

Thinking people who put the welfare of Canada ahead of party politics are all ready and willing to commend Sir Robert Borden for his efforts toward a real Union Government, which has finally been brought into being. True, there are some still inclined to complain that the deal was consummated too late to please them, and there are others who say, "better late than never" in a critical tone, but after all credit must be given where credit is due, and Sir Robert deserves no small share at this time. On the other hand, the country should commend the action of the Liberal leaders who have foregone high party places to enter the Union. The credit this time is to the big men of both parties, and must not all be placed in one spot. Those cabinet men who have relinquished office in favor of the new men-all those who have lowered the sullied banner of partyism and run up the clean flag of Canada, true patriotism and service-are deserving of the good respect and honor of the Canadian people. But for those who still place party first,il such there be, let the next and future ballots spell political oblivion. In Union is strength. The personnel of the new Cabinet reveals a real union of forces. It surely seems strength. A big task confronts the Ministry, a task which will try the Union and measure the calibre of Canada's
biggest men. Every Canadian, Grit or Tory, true to Canada hopes the men will each and all measure up thirty-six inches to the yard and sixteen ounces to the pound. There are those who believe that the new Canadian Cabinet presents the strongest line-up since Confederation. It should, for the work on hand is the biggest job that Canada's political leaders have faced since the birth of the nation. Action is necessary, There is a feeling of unrest in the country which must be dispelled. Political favoritism, graft, patronage, inefficiency, and inaction, due largely to the devious methods of politicians who played politics on both sides of the House, must be replaced by straightforward, clean, efficient Government which gets things done. The Union Government takes the reins in strenuous times. If it brings Canada through gloriously to it be the credit, but it behooves all Canadians to be patient and each must do his part. A Government is generally very much like the people represented. Do not forget that. You are part of your Government. If Canada's business life is full of selfishness, graft and red tape, how can the Government be different? The House at Ottawa is being set in order. Partyism has been chased out, and, in sympathy with their parent, we hope that Graft, Political Pull, Red Tape, Inefficiency and Inaction have all gone along for good. Sir Robert Borden and his colleagues have chased the cause of all the trouble. Have you? There is an election coming. Be sure you are represented by a win-the-war candidate and, if you are a farmer, by a man who is big enough and knows enough of the farmer's problem and its relation to national problems to stand up for the rights of the common people and the man on the land. We have Union Government. The next reform asked is that constituencies are fairly represented. Let towns elect town men-lawyers, business men, etc., but let farming constituencies elect farmers. At any rate elect men who will oppose any advances of the privileged interests and who will back up the cabinet in straightforward government.

## Easy Work.

Under the attractive heading "Modern Machinery Puts Farm Work in Light Labor Class," and sub headed, "Men Who Can Only Stand Easy Work Sent to Farms," a leading Ontario daily recently gave pub licity to an interview with the head of the Government Employment Bureau in a Western Ontario city.
A young man applied at the Bureau, so the story goes, wishing to procure light labor owing to his inability to stand heavy work. He had a wife and family and had to get work immediately, but explained that his health was bad and he could only take on a light job. The quoted answer of the man in charge of the Bureau ollows: "The farm is the place for you. It's all easy work now and the working day is only nine hours." After some persuasion, so the account reads, the Bureau man convinced the rather skeptical applicant that farming was an easy job and just the place for men looking for easy, remunerative and congenial work.
We are rather surprised that one so sure that farming was so absolutely devoid of hard labor even condescended to call it "work" at all. According to some of the reports handed out by officials in charge of labor bureaux and at the head of movements for placing men on farms, the farm is fast becoming a go-easy summer resort six months in the year, and a first-class health resort for the other six, with just enough exercise to maintain a good-sized appetite and keep the circulation from growing sluggish. Yes, modern machinery lightens labor; it does much of the work formerly done by hand, but there is still enough of real hard work in farming to keep it out of the "Light Labor Class." We know the hours of daylight grow shorter at this season of the year, but we do not see that this should

The Farmer's Advocate

## and home magazine.

the leadng agricultural journal in the

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THE WLLLAM WELD COMPANY (Limited).

THE FARMER'S ADVOCATE AND HOME MAGAZINE







7. Theteil wit bid wopoubl LABEL shows to what time your



12. WE.O.Ndrese FARMRS to wite us on an agricultural



THE FARMER'S ADVOCATE, or
THE WILLIAM WELD COMP
Limited),
London, Canada
similarly affect the memory of the head of a labor bureau branch. And, too, most farmers have a lantern which will stretch any day beyond the nine-hour mark Anyway, if farm labor is so light, healthful, etc., why limit it to nine hours a day? For the delicate, such fall mangels and turnips and rustling unruly steers to the stable to finally be tied by the neck are especially attractive. Oh no, the farm does not call for
the sick and the maimed, but rather for the strong and the sane.

## Clean Sheep.

An announcement from the Veterinary Directorthat under published in last week's issue, to the effect would be allowed to cross from Canada to the United States is no longer required. This will please Canadian sheepmen and will facilitate trade. Breeding stock in former regulations which made dipping necessary were looked upon as an unnecessary hardship by many Canadian breeders, who felt that Canadian flocks were clean and, with reasonable precautions, shipments from
them would carry no infection to the United States flocks. Thè new order removes the necessity for dipping, but requires inspection. The United States an Inspector of the Bureau of Animal Industry at port of entry after the sheep have been inspected by a Canadian Government veterinarian and are accompanied by a certificate that they are free from disease, and
certifying that no contagious sheep disease has occurred in the district in sixty days. The owner must take an affidavit that the sheep shipped are the ones inspected will be held at the border for fifteen days. This new order removes any stigma which might have existed in the minds of American sheepmen against Canadian sheep which are particularly clean, healthy and free
from disease. This is a good move and those responsible do all in their do all in their
down disease.

## "The Guid Auld Times."

 by SAMD PRESER.As I wis sittin' by the fire the ither night readin' the paper, wha' walks in tae the house but auld Duncan
McGregzor, a neighbor chap, an'a pretty yuid hand at McGreggor, a neighbor chap, an' a prety suid hand at
telif" stories that heis hearr, in the uald land in his
 he's made them up himsel, na doot. tiled upe agaidy," he says, after he had got his chair
"I see ve're readin' wall an' his pipe goin pretty well, Isee yere readin' the paper as usual ${ }^{\text {Is }}$ there ony-
thing but war news in it the day, that yeve noticed thing Yut, war news in it the day, that teve ve noticed dyy by over three thousand of a majority. What dae ye think oo' that for what that temperance spater that
wis here
al
few welks back called t the last ftronghold wis the liquor party?
thinkot "tae bad, not see bad," says Duncan, "I'm there noo, or there that it's not tue say ower dry on the ither side where they are daein the fightin'. It on the They're up against it, no mistake. But Fm othintin' that the church must hae taken a hand in the business when they were able tae roll up sic' a majority
as that Na doot the priests an' the miniters were as that Na doot the priests and the minisers were
 fun o' the thing.
 hae to 'prime a man before he he an spit', as Billy Sunday
the 'O, I'm thinkin' some of those chaps provide for the dry day as weel ansore the wot one, rheplided Duncan;
IIt reminds me of chap $I$ used tae ken afore 1 cam'


 quite a guid preacher in his way, but he wad be a' the | time gaein' 'or the boys that were owe fond $0^{\prime}$ 'the bottle. |
| :--- |
| One day he took for his text the verse that says, | not upon the wine when it is red in the cup,' an' he preached a sermon that wad raise fhe vera hair on yer such like drinks on not alane the body, but on the mind

an ' sperit as weel. There wis an auld cronie ot my an sperit as wel. There wis an auld cronie or, "My
ain in the congregation that I Kenned wis, bein hit hit pretey hard by what the meenister wis sayin', an' a fter, an' says I tae him, 'Weel Johnie, did ye hear that?'
'Did $I$ hear itt Wha' didna' hear it? I neer winked an eye the hale sermon', he replied, a we bit hot like.
'A weel an 'what thousht ye 0 , itp Awecl an' what thought ye oo itp says s. Indeed
Duncan, Ithink kets seen alad in his day, says Johnie,

"I think,", says ${ }^{\text {and, }}$, gettin' up tae pit anither stick in
 say ","
 lecture on moderation? Tak my advice, cautions
the meenister, ant never, tak' mair than one, glass at
 sir. But, Nerer
the twat," the "I guess there's no denyin' that there wis some pretty
guid, drinkers in Scotland in the auld days," says $I$.
 women as weel as the men wad be takin'? mair than wis "I "Ye can believe that a' right," replied Duncan. II mind one time walkin' alang the road near Edin-
burgh an seein' an auld woman sittin' on the ground
wi' bir her bundle lyin' in, the mud beside her. When I
wit
cam $^{\prime}$ up tae her she says tae me 'Oh will cam' up tae her she says tae me, 'Oh, will ye help me
up wi' my bundle?' I'd seen the auld lady a few times up wi' my bundle?' I'd seen the auld lady a few times
before, aroond the toon, sae I thought I'd scare her a says tae her, 'My, my, Janet, how dae ye come tae in sic' a state as this? Dae ye no' ken the place tae which all drinkers go?' 'Help, me up wi' my bundle
sir,' says she, 'an' I'll tell ye.' 'Weel, weel,' says I, I . I will. Noo answer my question.' 'Weel, tae tell you the truth, sir,' says she, 'they go just where the
guid drap o' drink is tae be had.' "She made ye a pretty guid answer, Duncan," I
said. "She might hae lost the use o' her legs but her said. 'She might hae iost the use o. her legs but her
wits werestill in workin' condeetion. Did , eve ever no-
tice how active a chap's mind is when hes saboot half shot, as they say?" Duncan, "that reminds me o' one time I wis at a big dinner in Edinburgh that they were
giving in honor ${ }^{\prime}$ some English duke or earl giving in honor o some English duke or earl or some-
thing $\mathrm{o}^{\circ}$ that kind, an', as ye may think, there wis no need for onybody present tae be thirsty gin onything but water would patisfy them. An' it wisna' lang
before the English shan before the English chap an' some o' the rest o' 'thenn as
weel, were beginnin' tae feel pretty good and were
stal ata
$\mathrm{o}^{\prime}$ the table. At last the English duke got up in his place an' says he, 'Gentlemen, I must inform you that
when I get a little the worse of liquor I have an that custom of railing against the Scotch. I hope no gentle-
man in the company will take it amiss.'
There happened tae be a Scotch officer sittin' at the far end o' the table
he jumps right off an' he jumps right off, an' says he, wi'oot seemin' 'tae be.
in ony way displeased, 'Gentlemen, when I am a little
the the worse o' liquor, and I hear onybody railing against
the Scotch, I have an absurd habit o' kicking him oot o'
the company, I hope no gentleman will tak'
But I needna, tell you Sandy," Duncan
"th "that it wisna" necessary for him tae exert ony of talent that night.
in somee, pretty fanst, company in "I'm arraid yeve young be in some pretty fast company in yer young days, tae
judge by some of the storles ye tell. It's a guid thin
ye sobered doon in in er ye sobered doon in yer auld days or ye wad be in a lain way, wi' a' 'the country gaein dry dry as it in, 'S an' my, auld wumman, 「ue pit, in sotween you an'
day. Tm nane the better for it, I ken thts in giel ye somethin' tae be thinkin, aboot, the the times
will be gettin' will be gettin' dooncasted, wi' a' aboot, the the time
there is, on the farm these days. There's naething
bringin' back tae yer mind the the bringin' back tae yer mind the guid auld tim
seem better than they were, maybe, tae seem tetuler han they were, maybe, tae mak' ye lorget
the troubles o' the present. But 11 see yeve let the firm gae oot, Sandy, sae I think I will juist be gettin' back hame, again. I'll be over again some night when
dinna, find my auld wumman as entertaining as usaal

## Nature's Diary.

The last of the Warblers are now migrating and
farewell to these brilliant little birds unti bid farewell to these briliant little birds until th
of spring shall once more bring them northward of spring shal once more bring them northward.
last species to migrate is the Myrtle Warbler, an fall migration of this species extends over a conside period-from early in September to late in October The Myrtle Warbler, like so many members
Warbler Family, varies a good deal in plumage. case of the male in spring the prevailing color is case of the mae in spring the prevailing color is bluith-
slate, heavily streaked with black, the breast, sides and slate, heavily streaked with black, the breas conspicuous yellow spots, one on the crow
rump and one on each side of the breast. of the female in spring is similar in pattern to
male, but all the colors are much reduced in the upper parts being tinged with brown, the yill spots not so bright, and the black is not so pure, bei tinged with gray and brown. In fall plumage the adul are both duller than in their respective spring plumagi
and the young are brownish above and whitish wit and the young are brownish above and whitis crown and sides of the breast are very faint, th bright color being the spot on the rump.
This species has a wide range in Canada, common breeder in most parts of the Maritime P Manitoba. It also breeds in Saskatchewan, Alb British Columbia, though in the latter province as common as its near relative the Audubon's
Throughout Southern Ontario it is rare as a Throughout Southern Ontario it is rare as a
having been found in the summer only at having been found in the summer only at
by the late Mr. Kells, near Peterborough by Mr. Samuel, and near Guelph and Mount Forest
writer. The nest is placed in a tree, usually green, at a height of from five to ten feet from the gr it in composed of twigs, rootlets and plant ste
lined with grass, hair and feathers. The eggs a lined with grass, hair and leathers. The eggs an brownish-purple.
The Myrtle
spring migrae Warbler is very abundant during $t$ with the Black and White, Black-throated Green an other of the earlier Warblers, and being first seen ab
April 27 th in Aprifth in Southern Ontario. This bird feeds by gleaning insects from the bari twigs and leaves of the trees and also by capturing seod in spring and summer consists mainly of smai beetles, weevils, ants, and plant-lice and scate-insect During the fall migration it feeds on insects and ats on some wild fruits, being partial to the fruits of poison-ivy. In fall and winter in the Atlantic it feeds mainly on the fruits of the wax myrtle or
berry, and it is from this habit that the name of
species is derived. species is derived.
The winter range of the Myrtle Warbler is from the
middle States southward to the West Indies and Central
America. America harvest-time of the chestnuts is at hand ani
The as we gather the polished nuts which have
think of Thoreau's fine description of this fruit think of Thoreau's fine description of this ruit
a perfect chest the chestnut is packed in! With sich
wonderful care nature has secluded and defended thes
nuts as if they were her most precious fruits, nuts as if they were her most precious fruits
diamonds are left to take care of themselve it bristles all over with sharp green prickles, some nerr half an inch long, like a hedgehog rolled into a bal these rest on a thick, bark-like rind one-si one-eighth of an inch in thickness, which again is mos daintly lined with a kind of silvery fur or ver one-sixteenth of an inch thick, even rising in between the nuts, like the lining of a c comes to unlock the chest; it alone holds and then nature drops to the ground a
prepared to begin a chestnut's course again The chestnut is a tree whose range only ju into Canada, and it is only in Southwestern Citano that we find it, in fact, a tree south of Puslinch Lake in the extreme Southwestern corner of Well inton County is the most northerly one that I know
if any reader knows of the occurrence of this sped further north than this I should be glad to hear Insect music is now nearly stilled, th
hoppers and Katydids which are yet to be hoppers and Katydids which are yet to be heard are
singing very, very slowly, in a very different singing very, very slowly, in a very differen days
to that they employed in the grilling, glaring ofld,-
August.
-world, $-\mathrm{I}^{\mathrm{\prime} m}$-so- cold - $\mathrm{l}^{\prime} \mathrm{m}$ - going to-sleep Zeerd, een and with a ast lon
they soon will pass into their long sleep.

## THE HORSE.

Diseases of the Respiratory Organs-VIII.

Nasal Gleet.
e skall of the horse contains air cavities which ommunicate with the nasact chambers by smaliopenings These air cavities are a itith air which is admitted from
conditions they are fild wred the nasal schamberse flace are four sinuses, two quite. small; and two large cavities, called the fontal and the maxilary sinuses.
com onenining with the maxillary sinus,
bich is situated below the eye and communicates with which is sithamber. The sinuses of each side communicote with each ' other, but there is no communi,
the sinuses of one side with those of the other,
In catarrhal affections, the lining membrane of In catrrnal afiections, the ing meation of the
these sinuses by extension of the infammation membene of the nasal chambers may become mucous membrane of the nasal chambers may become
discased, and pour out a quantity of pus, which lodging in the various compartments of the sinuses, becomes a source of irritation constituting a diseased condition
nown as "nasal gleet". A collection of pus or tumors Inown as "nasal gleet". A coitection or pus or tumors in the sinuse, in exit be nolls by reason of pressure. While sorption or the bual cause of nasal gleet, it may arise from
cathrr is the uses
other casses, as external injuries, decay of one or more other causes, as external injuries, decay of one or more
of the fangs of the upper molar teeth, abscesses or of the face, etc.
Symptoms.-In most cases there is an irregular disherare of pus from one or both nostrils, usually bu
one, indicating that the sinuses of that side of the head one, indicating that the sinuses or that side of the head
only are affected. From some cause not understood only are affected. the affection is more often noticed in the left side than in the right. As stated, the discharge is usually ir regular. A variable length of time may elapse when no discharge takes place, followed by a copious diss
charge for a variable period, this again followed by a a charge for a variable period, this again followed by an
absence of discharge for a variable period, etc. Th absence of disc varies much in quantition, according to
discharge ar
the nature of the malady, the duration of the disease, the nature of the malady, the duration of the disease and the structures that are involved. The glands on
the inside of the arms of the lower jaw (called the subthe inside of the arms of the lower jaw (calied the sub-
maxilary glands) are usually enlarged and hardened maxiloose, but in some cases adhered to the bone. The patient in most cases, especially in the early stages,
does not appear to suffer much inconvenience, while in other cases he appears to lack his usual spiritit or vitality may droop a little, and the hair over the affected par may look rough. The breath from the side affected and also the discharge, may be offensive, indicating tha Mastication may be painful and imperfect, which o course, is practically direct evidence that one or mor ing, and the sinuses full of matter, there will in most
in cases be noticed a more or less well-marked enlargemen of the face over the affected part. In any case where
the sinuses, or a division of them are filled with pus, whether or not there be a bulging of their walls, tapping upon the surface will cause a dull sound to be emitted
and by comparing the sound of the side affected with that of the healthy side, or if both sides be involved that will be of material assistance in making a correct diagnosis.
the cause carefully looked for and if poasible tremoved. If tooth, it must be extracted. If the root be largely decayed it may be extracted by the use of an ordinary large tooth forceps or a pair of large pincers, but the
extraction of a molar, except in the condition statei is usually an operation that cannot be performed by other than an expert, with forceps especially designed
for the purpose. Where the cause of the trouble is tooth, its extraction is practically all the treatment that is required, unless the patient has become weak and poor, in which cases it is good practice to give tonics, as one
dram each of powdered sulphate of iron, gentian, dram each of powdered sulphate of iron, gentian, and
nux vomica, three times daily, and feed well. It is also well to examine the mouth every day or two and remove any masticated food may that have become insinuated in the cavity from which the coocuswas
removed. This cavity soon filts and as the cause of the trouble has been removed, the animal will soon recover his normal health. If there be a bulging of the
bones of the odor, when the teeth are not diseased, an operation called trephining will have to be performed. This
consists in boring a hole through the outer walls of the sinus and removing the pus. It should not be attempted, except by a veterinarian. Where none of these serious conditions are indicated, and the general health of the animal is not materially interfersll whe the admistration of mineral tonics will usually effect a cure. For
this purpose one dram each of sulphate of iron and sulphate of copper three times daily, either in damp food or as a bolus aiter each meal usually give good results. Both drugs are tonics and the latter has a special action in checking mucous discharges, especially of the sinuses
of the head, hence may be considered a specific for nasal
gleet. During treatment the patient should be fed on axative food, as the treatment tends to constipation-
of the bowels. If the evacuations indicate that constipation is threatened, a pint of raw lisseed oil should be given. Feeding a reasonable supply of bran, linseed
meal, grass, if in season, and raw roots will in most meal, grass, if in season, and raw roots win in most cases prevent trouble or thient has not become weakened he can perform his usual work during treatment.ir.

## Shire Foal Shows.

Edtor "The Farmer's Advocate"
Shire foal shows are all that are left us at the moment in the way of exhibitions, although our farm girls are getting plenty of "display" tournaments for prizes, which they are revelling in and do their work well. Just at the time of writing, 1917 Shire foals are being exhibited to the old Rothschild stud has made 530 mineas at Peterborough In the same city of Peterborough which is in the Fenlands, where they grow Shires as California raises peaches, there has just been held a fine sho of tenant farmers Shire loais, and Srize mare, Brockhall Primpose, which was good enough prize mare, Blass despite her 13 years. Her filly foal was by Friar Tuck IV, a stallion sold at the Rothischild dispersal. The colt-foal class was led by A. H. Clark Vrown coit foal by King Color's Duld Moutto Thiscolt's sire was a great horse-he cost 750 guineas as a foal-but as he was being led to a show last year he bolted and jumped into a flooded river and was drowne
before he could be reached.


Alert.

## Preparing Horses for Winter

## Editor The Farmikrs ado

The season for working farm horses is drawing nea to a close and many of the heavy horses will have a long period of enforced idleness during the late fall and wint to months. It is surprising how many farmers ail to use reasonabie precaution hoprepare che the usual trouble, as lymphangitis, azaturia, scratches, malanders, salanders, etc., if something is not done to prepare the system for such a change, and the most seterinary surgeon examin do this is to have your nocal need attention he will attend to them. Then have him give the horse a purgative ball, which he keeps always on hand, and make up a tonic to be given as directed by him. This will cost you you ever expended money that you got better returns ff you. You will save it many times over before next spring in feed, to say nothing about having the team in good condition and possibly the saving of severaty trips
by the same veterinarian to treat the horses for any one by the same veterinarian are so common to the heavy of the disorcers when out of condition.
You may find some of the hairy-legged horses have already got cracked heels; this will need some extra treatment. After the purgative has acted, wash the
scratches out with some warm, off water and fine soap scratches out with sicm acid added to the water to make
and enough carbol a three-per-cent. solution. Be careful to remove all a the waxy material from around the cracks. After yout
the heve it washed perfectly clean, apply a bran poultice,
into which two teappoonfuls of crevolin has been stirred into which the poultice as ho ta the patient can bear.
and have
Change every two hours till six have been applied, Change every two hours till six have been applied,
then rub sulphur into the hair and sling till thorouftly-
dry. Then apply a good astringent dusting powder thiree dry. Then apply a good astringent dusting powder taree but, mark you, good care is the key to success in treating
scratches, and it is not advisable to start this treatment scratches, and through putting the horse in the mud, and you must be careful to keep him well bedded with fine straw after poulticing so as to keep the feather ary
and do not allow him out in the cold for a few and dord Co., Ont.
Ont

## LIVE STOCK

Some Sheep Sales in Britain.
The September sheep sales in England and Scotland
nifested a keen demand for breeding stock and the mailingtess of breeders to pay good prices for any thing that suited them. Some individual prices were ehigh
and the ayerages throughout were of a very satisfactory and the ay
character.
Shropshires at Montford, the flock of the late T. S. Minton, averaged $\$ 52.98$ for three hundred and ninetyone sheep. Thirty-nine rams avereaged
three shearling ewes averaged 59,80 , twenty-seven three shearling ewes averaged averaged \$44.00, eighty-five ewe lambs averaged 836.28 , andseventy-seven ram tambsaveraged 31 1. 7 . Orebuyer, acting in behalf of cliencs an the the paid fity guineas, or $\$ 255.50$ our currency, for the two-shear ram,
Montlord Earl. Montford Ensign went to the same bidder at $\$ 204.40$, as did otlier lots at 22 guineas down. to 18 guineas (a guinea being equivalent to 85.11 ).
F. A. Clark, of NNw (ork, took eleven pens of hearling
. ewes (five in a pen) at
$\$ 102.20$ each per ewe.

son, of Gainford Hall,
fecived 81.122 .66 for
seven shearing rams, or seven shearling rams, or
the reord average of
8100.38. The top of the
sale-was $\$ 224.8$, which sale: wass 8224.84 , which
Was also made on one
of Mr. Harrison's. offer ings. John Cranswick
sold eight rams at ann
average of $\$ 122,78$, and F. F. Jordon offered forty the sten did average of
889.16- Two other lote of
thirty-six and twenty-five hirty-six and twenty-ive
averaged $87 ., 00$ and
72.30 , respectively, Linncoln flocks at the same
event averaged between
$\$ 42.22$ and $\$ 70.14$ per animal.
Mimneys have been
making remarkable avermaking remarkable aver-
ages in the Old Country
nd some
 was dispersed in its en-
tirety and the result was
areord sale forthebreed One hundred and theelve

 averaged $\$ 36.74$; seventy averages on the ram offering were quite as good, returning as total average for the sale of $\$ 44.64$ The Scottioh Ram Sales.
During September the Kelso, Ayr, Howick, and were disposed of. Some thitteen firms of auctioneers were engaged in selling the sheep, which were allotted to different rings. Border Leicesters occupided three
rings, and it was in the third where the best prices were realized. Twenty-eight consigners passed sheep through this ring and all contributed between is and 25 in each consignment, Sixteen consignment in this ring and 507.20 , five consigners averaged between $\$ 48.60$ and $\$ 72.90$. The highest priced individual wab a shearling
brought forward by D, P. Elliot from Nisbet Hill. He brought forward by D. P. Elliot from Nisbet Mil. He
realized $\$ 1,166,40$. Still another sheep brought $\$ 1,17,80$ The highest averase made by one consigner in this ring was $\$ 21.76$, realized on an offering of tuenty-five he
 The highest price paid for an Oxiord at Kelso was
8534.60 , and the highest average made by any one on $\$ 334.60$, and the highest average made by any one gon-
signer was 8116.64 . Four lote averged aver 897.20
siner signer was
thenty-three averaged between $\$ 8.80$ and 897.20 :
thirty-two averaged less than $\$ 8.00$, but. only two of hese were below $\$ 24.30$.
The highest price for a Suffoll-Down at Kolso was
sit4.96. Eleven consignments averaged betwen $\$ 19.60$
 \$24.30 and $\$ 48.60$; six consignmente averaged below
of hair are not so heavily pressed as the other cells, and their flececs, Remember that soil, food, and climate
therefore retain their circular shape. By counting a are all important factors which either hel therefore retain their circular shape, By counting a
small portion of a crosssection of hair, the number of scall portion of a cross-section of hair, the number of
cells contained therein has been found to be 1,500 . If we assume that the average length of each cell is one four-hundredth part of an inch, we find th
are no less than 600,000 cell sin one inch of fibre.

Hair Versus Wool.
In passing, we miay make a few remarks upon the
distinction between wool and hair. True wool contains no medulla, and if we were to take a number of fibres, cut them transversely, and place them under the microscope, we should be able to distinguish the wool from the distinguish between the two kinds of fibre is to note the difference between their outward appearance.


The outer layer of cells on a hair fibre lie flat upon the inner cells, and thus give to it a smooth appearance; but the scales on the wool fibre stand out prominently, thus making the surface appear like the edge of a saw,
Fig. 3 shows the difference between wool fibre and hair


Fis. 2-A, medula; B, corticle; C, cuticle.
Pointe for Growers
Perhaps some reader will ask, "What is the bearing fall this upon the practical site of wool production?". Growers generally are not interested in technical terms and scientincic explanations; indeed they often show
a strong disilike for them. Yet the ordinary details


Fls. 3-A, wool fibre; B, hair fibre
of the sheepmaster's life are most closely connected which ought never to be overlooked, and if wool-grower generally could be brought to realize the importance of it, a long stride would be taken towards bringin about a better understanding and a more amicable
feeling between the man who grows the wool and those reeling between the man who grows the wool and those
who convert it into the finished article. We know that the understanding of which we speak has, not yet bee arrived at. The wool-grower is too prone to thin that his interest and the interest of the man who buy his wool are entirely at variance. The result often is that
too little care is taken with the wool even at shear time. The interest then shown reveals itself chiefly in a desire to secure the highest possible price, and to get
the wool into the market as quickly as possible if the the wool into the market as quickly as possible if that price appears satisfactory. If the price does not. please
the
hould held over, stored in a room, and kept until prices sink
lower still. That was the rule in som lower still. That was the rule in some pre-war years. Surely this is a great mistake. The object of this of their wool, and to take a deeper interest in the same my so doing they will not only confer a great boon upon By studying the way in which wool grows, by observin the wonderful organism which has .been created to
promote its growth, and by remembering the grea promote its growth, and by remembering the great
variety of purposes for which the shorn flecees are used it will be seen that the subject of wool-growing is wel

To wool-growers we say, study your sheep and study
are all important factors which either help or hinder
the production of good wool.-S. B. Hollings, in the
Live Stock Journal Almanac.

Canadian Store Cattle Considered in England
Recently an announcement was made in Britain
regard to a conference Mr. Prothero, the British Minegard of Agriculturence, had with Prothero, the Britiain tives last April. At that time the argument of the
Canadian stockmen was presented and the Government was asked to permit our live cattle as well as dead, to be imported. An Act in 1896, aimed to wel protect British stocks from disease, prohibited the port of landing, and this stigman has beenover Canadian cattle ever since in spite of the fact that no countian
in the word enjoys any greater freedom from contagiouss in the word enjoys any greater freedom from contagious
diseases among its herds. A well organized appeal was diseases among its herds. A well organized appeal was
made last winter and carried overseas, In reply Mr. made last winter and carried overseas, In reply Mr. the Eastern Counties has been rather imperfectly met for many years past. On the other hand inerfectly
been a considerable nincrease in breeding in this countrys been a considerable increase in breeding in this countrys
but if we have, what I think we shall have, a large but if we have, what 1 think we shall have, a large,
extension of the arable farming in this country, we shall extension of the arable larming in this country, we shall
want to increase our reservoir of store cattle. Of ocorse.
your Canadain cattle will come over your Canadain cattle will come over as what we call 'stores'; that is to say, they are to be fed and fattened here in England. A motion whe also accepted by Mr.
Prothero to the effect that the embargo on Canadian
cattle should be removed 3 s sped ly It has long been known that Ireland, which supplies England with a large number of uninished catte, was a strong supporter of the Act, but apparently the
Scottish farmers have not looked unfavorably Editorially, "The Scoottish Farmer," publistied in Glasgow, says: "This is undoubtedly a back-doo
victory for the wharfowners, and those farmers have beer clamering for the importation of Carmadian
stores sll these years. We are hardly inclin stores all these years. We are hardly inclined to believe
that the Canadians would make it a condition of their adherence to the cause of the Mother Country that we, should receive her store cattle 'as speedily as possible:
Why then has the Minister of A griculture made such a complete departure from the policy of his predecessor without consulting the breeders of pedigree stock in
Britain? Contagious disease may not have been known in the Domimion in recent years, but there has bee. is not a time to take any risks in the matter. Scotland has been entirely free from disease for many years, and as we have the finest cattle in the world it is only reasonable that we should desire to protect them from the
ravages of such a scourge. It will be the duty of breeders ravaes to acouaint Mr. Protherb of their yiews before
here can make complete the fulfilment of his canituat he can make complete the fulfilment of his capitulation
to the advocates of the importation of Canadian to the advocates of the importation
store cattle. An opportunity for taking as is necessary will be affiorded ,
week' in
Shipping unfinished cattle overseas does not appeal to armers an act of wiscom on the part or the Canaciana
farmer. removed which has for long years been hanging over our herds and hockes and ins thave in that ins one more door t

## Fall Sales of Live Stock Begin in

 U. S. AThe opening fall sales of tive stock in the thitec States indicate a keen demand for pedigreed cattle an a continuation have exhibited the dressed carcass commands the price it does the not likely to be any decrease of enthusiasm or
in the pure-bred departent in the pure-bred department of the industry.
on October Good-Wilson sale held at Grandviev, Mo on October 1,77 head of Heref condition, but 56 averaged $\$ 648$. One cow, Crocil 5 th, went for $\$ 2,500$, and another, Celeste, brough
$\$ 2,025$. The 21 bulls averaged 8610 . The highest price $\$ 2,025$. The 21 bulls averaged 8610 . The highest price
for a male was $\$ 2,100$, paid for Blendwell, a son of Beall
Delaware Delaware. Filty-six Herefords averaged 8910 at a sale held in
connection with the American Royal Live Stock Show at Kansas City; on October 5. Thirty-four bulls mad of $\$ 918$ each. The top was $\$ 3,000$ paid for Cay Lad I of $\$ 918$ each. The top was $\$ 3,000$ paid for Gay
which won in the senior-yearlino classof the Show J. O. Southard, Comiskey, Kans,, sold 116 Hercford on October 6, for $\$ 69,790$, or an average of $\$ 601.63$ Ninety-two females were appraised at 8612 , and bulls at $\$ 560$. Belle Fairfax and bull call topped the
sale at $\$ 2,725$. Eleven of the best bull, consideree sale at $\$ 2,72$. Eleven of the best
high-class herd-headers, averaged 81,050
On. October 2, the Shorthorn herd belonging to the estate of the late Philip Erbes, La Moille,
dispersed and the 38 head offered averaged $\$ 302$.
The second sale of the Ft. Wayne. Distric Shorthorn Breeders' Association held at Huntertown
Ind., on October 3, resulted in an average of 8227 To 76 head.
An average of $\$ 286$ was realized on 40 Sthorthome
sold at public auction by W. C. McGavock at Mi
Pule sold at public auction by W. C. McGavock at Mt
Pulaski, IIl., on October 3 . Many of the offering were
not in high fesh and bold at

## THE FARM.

## Some Thoughts on Production.

Editor "The Farmer's Advocate":
If the question were asked as to whether we have If the question were asked as to whether we have Ione our best for productink as farmers we would truthfully say that we have, As a people in general I think we have not accomplished
all that we might have done. With the farmers it has certainly been a continuous performance since the first work done in the spring. With the shortage of help
and the increased production on many farms there has and the increased no idle bread eaten on Canadian farm this summer. It is simply wonderfur the amount of work turned off by some men during the season's operations. We know and harvesting his crop, has put in about ten acres of fall wheat, done a good share of the work of putting a 12 -inch tile drain across his place, besides
doing fencing and making many other improvements. doing fencing and making inany other improvements,
Another man with his twelve-year-old son has run a Another man with his twelve-year-old son has run a
150 -acredairy farm with a herd of some 25 cows, while just 150 -acredairy beyond is another 200 -acre farm run by an elderly man and his son. The latter tells me he has not taken holiday for years. A few hours more rest on Sunday
with from six to eight hours for sleep-the rest of the with from six to eight hours for sleep-the rest of the
time keeping busy in the "second line of trenches" has time keeping busy in the "second line of trenches" has
been the experience of Canadian farmers in this year been the experience, The work in many cases has been too hard, the hours too long, with little or no time for the cultivation of those graces without which our lives
must be incomplete, yet we have done the tasks willingly, must be incomplete, yet we have done the tasks willingly,
not merely for financial gain but for the cause of liberty and righteousness that we all have at heart. We wonder if the city dwellers, who purchase their
produce and are often very much inclined to find fault and criticize if the stuff offered for sale is not of the highest quality, realize the labor and time expended by gardeners and vegetable growers in producing in
abundance such a variety of garden truck which by it wholesomeness and cheapness helps materially to keep
down the cost of living. It is certainly no snap being down the cost of living, It is certainly no snap being
a market gardener and if there is anyone more than an a market gardener and earns his bread by the sweat of his brow it is the fellow who bends his back over the long rows of celery and carrots and onions, 1
indeed for all the labor expended.
As already stated we think the tillers of the soil
lave done their very best for production but what about that class still very numerous whose only desire in life scems to be for pleastire and amusement, and whose aim
seems, to be to have a general good time at the other fellow's expense?
The writer's farm is situated between a main road running through the heart of Westernto drivers speed along every few minutes of the day and throughout the night as well. Some are on business we know; some combine business and pleasure, but the majority are
simply pleasure seekers. They toil not, neither do they spin, except to spin along the highway at express-
train speed, endangering the lives of all who pass that way. When the weather is not pleasant there are few cars to be seen, which is evidence enough that the occupants are solely out for pleasure. Along the river
banks the fishermen gather on sunny days in as large numbers as they did three years ago. We don't object
to recreation-that is necessary, but we do protest against the waste of time and money that we here see crying need. Compulsory- service, we are thankful
to know, will put many where they may-produce good results, if not good crops. If the money spent in ex pensive autos and which in a large measure finds its
way into the pockets of wealthy manufacturers was way into the pockets of wealthy manufacturers wa
spent in reclaiming waste land, and in agricultura pent in reclaiming waste land, and in agricuitura thereby. to our full capacity and it is due to shirkers who; whethe possessed of private means or not, will not get down to
fonest toil, to misdirected capital and to government not as representative as they should be of the farming community. The coming year, if the war continue as it undoubtedly will, will witness a greater need for farm products than ever, and it is well to take a forecast
of the available man power for the work in hand. We of the available man power for the work in hand, We
do not know how far the Military Service Act will have gone in obtaining men for service overseas, but we do
know that in the villages and towns and cities of Canada know that in the villages and towns and cities of Canada
are thousands of middle-aged men with a practical knowledge of farming, who if the right measures are
adopted would be available for work on the land in this perhaps the most critical period of the great struggle.
Much as-we need and will need the foodstuffs that Much as-we need and will need the foodstuffs that
the farm can produce, our finest productions and most necessary after all are not sheep and hogs and cattle
or corn and wheat, but men. Someone has asked the question, "What is the old farm good for if not for the rearing of men?" At this time when there is such terrible wastage of man power in our land there is
need for the babies as never before. We don't want the astage made good as Germany seeks to do it by putting a premium on illegitimacy, but through parents whose
children shall have a good start physically and morally. It is to be regretted that there are so many childless
couples and so many who do not marry because of selfish couples and so many who do not marry because of selfish
reasons. We need moreof the "Canadian born" and a greatacrifice and suffering. As I write at this midnight hour there lies asleep close at hand my little son, a happy
healthy boy of seventeen months. Another one younger

## THE FARMER'S ADVOCATE.

still lies sleeping by his mother. During their waking Impressions of the Canadian West. hours they certainly require much care and attention,
but what of that? We are glad that in one home at least there are young lives coming on that shall make
good in a measure, we trust, the loss and wastage of good in a mea
this cruet war.
Just a word about the production of next year on
our fifty-acre farm. A meadow that was top-dressed our fifty-acre farm. A meadow that was top-dressed
with manure this spring and which produced a fine with manure this spring and which produced a fine crop
is sown to fall wheat. Another three acres of meadow will be manured for corn and plowed in the spring. A piece of ground that had a crop of corn, beans and
potatoes will be plowed this falt and next year put in to oats and barley and seeded down with clover and alfalfa.

## ming ovtarto farmer.

Having spent the past month on the Prairie graingrowing section of the Canadian West, perhaps these notes may be of intercest to your readers. I might say to begin with that my observations are what I have actually seen, and not taken from any reports, second Mairst, the crop situation. In the Eastern part of Maniobba we found the wheat and oat crops normal. This section seems to have had some rains during the growing season, but from Yorkton west the season has


High Ideal.

a light coat of manure this winter and next spring made ready for potatoes, An acre or new ground will aiso
be put in to potatoes. A meadow which did not yield a very big crop this summer will be top-dressed with manure. A stubble field that has, been disked to kill thistes will be plowed along with some adjoining corn
and turnip ground. This will be sown to oats in the spring and seeded with timothy and clover. If I am tot called to the colors I will still work on in thine secona wie of trenches: The pleasure seekers may whir by in their private locomotives, glad perhaps
that the lines have fallen to them in pleasant places, as they watch the old fellow in the dirty overalls feeding
swine or milking cows, or plugging along between the All great quantity of the oat will hest this sear as they were quite green when cut. UUder these circumstances the Ontario farmer will get litete cheap
feed from the West this year. Oats are now selling at feed from the West this year, Oats are now selling at
Saskatoon for 56 cents, and at Edmonton for 55 cents per bushel.
The Edmonton district seems to have been favored
this year with more rain than any other district we this year with more rain than any other district we Yisited, and crops are much heavier and the straw longer
in fact, we saw some fields of oats that will yield from from 50 to 60 bushels, but as this is a mixed farming district nearly all will be required for home use, and wheat is not very extensively grown and will also be used for local use. So very little will be shipped East
farmers about the use of the screenings from the West
this year, as owing to the short crop, allkindsof noxious when ground many small seeds will still grow.
With regard to our im1-
pressions of the prairies The weather has been ideal
ever since we reached the West In Inct, many day were hot, and to-day quite
warm enought for August in
ont Ontario. The West is great country for the young
man, especiaily from Ontario who wishes to farm. Land
wan be purchased in Saskat. can be purchased in Saskat
chewan and Alberta for from chewan and Alberta for from
$\$ 10$ to 820 per acre, with
and some improvements and
there no doubt will be tremendous rush of emigra
tion after the war and we tion after the war and we
think the present a splendid think the present a splendid
time to tocate as no doubt
thin on the ground
Wheat was nearly all
harvested and, in sas
tatechewan, threshed by katchewan, threshed by
the first week of October. In some few cases wheat
sown on summer fallow yielded as high as 20
bushels, but the average bushels, but the average
will be from 6 to 10 bushels to the acre. The and Easteru Alberta is
uniformly good, grading uniformly good, grading
No. 2 from the thresher, No. 2 from the thresher,
-and with the price ruling
around $\$ 2.00$ the Western around $\$ 2.00$ the Western
farmer is receiving good returns for his crop. In
this wheat there are a lot of screenings which by the elevator company and will be ground and be largely needed in the
West. It consists of small wheat and foul seeds, wheat and buck-
wheat 96 per cent cent. wild oats, and other at $\$ 25$ per ton at Saskatoon; another sample is quoted at $\$ 1.90$ f.o.b. Toronto. The oat crop
plow handles, but I won't care. If I can make two. prices will rise. There is a scarcity of men all through plow handles, but I won't care. II I can make two. prices will owing to the strain of the war, and wages have
blades of grass grow where only one grew before, 1 will. the Weesther
t be happy. IfI can produce a littlemore stuff this coming year than I did this season, though again 1 work long
hours and take few holidays, 1 will consider it worth hours and take few holidays, 1 will consider it worth
while. This is my resolve- will t , my best for pro--


In a letter recently received from the Acting Live Tho Commisioner, "he makes the statement that giter investigation he ts "more than proud of the judo. ment and shrewd common sense that is being displayed throughout the country generally in connection with feeding and breeding of live stock." Would that city critics of the farmer could all see this statement from a man who knows what he is talking about.

In the Saskatoon district $\$ 5$ per day was the wage for
a man, and 88 for a man and team. In Alberta wages a man, and $\$ 8$ for a man and team. In Alberta wages
are somewhat lower, $\$ 3.50$ being the ruling price. There is any quantity of good mixed farming land in the Fdmonton district for sale at reasonable prices, and this Clistrict seemis to have a better crop this season than any Other that I have visited. A large portion of the Western of the crop to owner and two-thirds to the renter, he finding everything.
E. T. Cayerhili

Meat animals, the world over, are in short supply, A good future hor the live-stock bree

## Thanksgiving and Production.

 Editor "Tae Farmer's Advocate"Yesterday passed as Thanksgiving Day. Many hundreds of farmers wese thankful beyond measure for the dry, but cool day we had. These early frosts and recent rains are driving us all to desperation in order to harvest our later crops. What is the answer
to all the delayed work on the farms? Everywhere comes
the answer "short of help". Having on the day named
to trail a Shorthorn heifer a distance of eight miles,
tit it was the writer's privilege to be on the road. What Were his observations from the nearest neighbor to in the fields, at the silo, buckwheat, mangels, potatoes, etc., but not a man to keep the plow going, which is
so sorely needed. U Uon reaching the town wit so sorely needed. Upon reaching the town it was neces-
sary to call the bank manager from a big dinner and sary to call the bank manager from a big dinner, and I
could not even buy a pair of sheep-skin gloves to keep
my hands from stinging. The blinds were drawn e
where, but in the country the wood-lots were lined autos and livery rigs galore, it was a case of
in the fort lo tand sporting in the back lot in the front lot and sporting in the back lot.
those same individuals are sending out $S$. 0 . to produce and to be patriotic. This doubtess, applie
to every city, town and hamlet, including "Toron the Good".

Ont.
w.t.b.

## Canada's Young Farmers and Future Leaders.

## Use Your Head.

There are many boys and men struggling on from day o cay, taxing their physical strength to the limit, but yet failing to get ahead financially. They attribute
their failure to harrd luck" and appear to be resigned their tailure to hard luck and appear to be resigned
to their lot of being "hewers of wood and drawers of water". Some are working too hard with their hands
and not hard enough with their heads. The successful and not hard enough with their heads. The successful
men in every line are theoe who plianned, theught, studied, etcery from the the the they were boys, The more
they thought over their work the more the opportunities for advancement which appeared to open before them and sothey wenton andon up the ladder of achievement,
leaving less energetic schoolmates behind. Now get leaving less energetic schoomates behind. Now get
rit of that ide et that there is no place for the use of brains on the farm. There is no occupation that or use of brains as farming. A person must use his
head to get ahead, and must keep on using it to stay head to get ahead, and must keep on using it to stay
ahead. No doubt you have seen men who appeared to do their chores much easier and more equickyy than
others; wetch them for a while and you witt see that every move is made to count They wave system.
They make their head save their heel. Some men make harder work of loading manure than others.
You have seen them plunge their fork into the pile You have sean them plunge their fork into the pile
without apparently looking to see where a forkul should come from, consequently thee ware obliged to tug
and strain when possibly not three feet away a forkful and strain when possibly not three feet away a forkfult
would ift of oas easily. The same applies to pitching What put in mecesarily should come futs. but we have noticed some tugging away to get au forkful of hay at the front of the mow, when it would come
easily at the back. You have probably been at threshings where some would work and perspire but not
accomplish as much as others who were working at
an easy gait. The latter kept their eyes on the sheaves and always took the top one first, while the former
woutd sometines be trying to get the sheaf he was stinding on. Some people seem to have the knack of dong their work
the Then there is the planning of the work and managing the farm. Some apparently have no plans, they can't tell a month before speding what will be sown in a certain
field and do not know to-day whet they will do field and do not know to-day what they will do to-
morrow. A ship without a rudder would soon be morrow A ship without a rudder would soon be finds himself drifting into the shoals of behind with the work, poor crops inefficient stock, dissatisfied sons,
difficulty to keep help, inability to make, payments on mortgage, discouragement, failure. Don't blame your father too much, boys. A mature man cannot readiy
clange his ways. A person who did not train himself to think and plan when a boy or a young man, finds it next to impossible to do so in middle life. As a twig is
bent the tree is inclined, consequently if you want to be bent the tree is inclined, consequently, if you want to be
a success at farming or any other occupation learn to a success at farming or any other occupation learn
use your head. If you don't you won't get ahead.

Training Necessary in Order to Win in Competition.

## Editor "The Farmer's Advocate

Having succeeded in winning a first place in the Judging Competition at Ottawa, Itake this opportunity of expressing my views of the benefits I received, and fall I was chosen as a member of the inter-county stock
fudging team in the competition held at Ottawa Fat Stock Show, and it was in preparation for this event that I received the training which served me well in
the competition this fall. Although we did not have
the opportunity of visiting any of the large breeding
stables, we had a number of good classes of horses, ind stomes, we had a nomber of good classes of horses, an
from these pointed out the type to look for in the different breed In placing the classes and giving our reasons we followe the same system as used in the former competition, so
eel that my success is largely due to the eff coach. I have also had some experience exhibitin horses at our local fairs, and have always been an $n$ in erested spectator at the judging arena.
When judging the horses in the
When judging the horses in the competition t method I followed, if it may be called a method, wa the entries, then 1 compered the seneral appearance e
examined them for solit limbs ani examined them for soundness, quality of feet, pasterns bone, feathering and strength of joints. After that
looked at the muscling and slope of shoulder: from there I went to their heads and again made a review of the class. When the class was moved 11 trie to pick out the best and poorest movers. When I hai the class placed, I studied them from a little distanc and tried to see if I could justify my placing. If there
was any point that I was in doubt of, I again examined was any point that I.was in doubt of, I again eexamined
them until I satisfied myself as to which excelled In this way I got the animals fixed distinctly in my mind so that I remembered them when giving my reasons orally. I spent about three-fourths of my time stuc ing and placing the class, and the remainder in writing
reasons. In my reasons I tried to state the strong and weak points of each animal.
The chief benefits we receive from the competitions think, are: a deeper appreciation of good stock; it mpresses upon us the reasons why certain types an enables us to defend our opinions. We also meet many young men from different parts of the country with in terests and ideals that are much in common.
Lanark Co., Ont.
R. H. Mclleumam.

## Automobiles, Farm Machinery and Farm Motors.

## Wintering the Car

The whole tendency in the world is to keep machines ruining during the entire year. You will perhaps have
noticed the efforts the manufacturers are putting forth to make cold weather driving as confortable as possible. Even the smallest and cheapest cars can now be purchased with sedan or coupelet bodies. Many models are also being equipped with curtains that open with
the doors. Such as arrangement provides easy entrance and exit. We personally cannot see any reason why the cars should be laid away in the winter months, for it is an easy matter to observe certain precautions that are necessar
and nights.
Should you desire, however, to give up driving for
he winter, we shall tell you just exactly what to do. Drive the automobile into your garage or carriage shed which of course has first been cleaned out thoroughly.
Then prepare four blocks of wood, sufficient when Then prepare for blocks of wood, sufficient when well off the floor. Now, while using your jack, place well oflocks under the axxles. It mithyth be well pefore doing this to loosen the demountable rim bolts. The
tires should be taken off as attached to the rims and placed in some dark corner where they will not be exposed the temperature should not be either too. high nor too low. It will be well for you to reduce the air pressure
in the tires to about forty pounds. If your tires are not in the tires to about forty pounds. If your tires are not
on demountable rims you will find it advisable to at on demountable rims you will hind it advisable to at
least reduce the air pressure in them. The trouble of
removing them can be avoided without danger, but if

## THE DAIRY.

## Clean Dairy Utensils Necessary for

 Clean Milk.Most of the bacteria which get into milk come from the dirty cow and from the utensils, such as cans, pails,
strainers, coolers and separators, which have not been properly cleaned. In winter the cows are likely to be-
come dirty from confinement in the barn, but in sumcome dirty from confinement in the barn, but in sum-
mer they are easily kept clean so that they are then of mer they are easily kept clean so that they are then of
little relative importance in contaminating milk. On the other hand, a far greater number of bacteria get into cow in winter. A bacterial count recently made from some of the
rinsing water left in an eight-gallon can, which had been
you have time, we would strongly suggest that they be
taken their off. Many owners never pay proper attention to
thes. They are deserving of special care, however. The best thing is to send them to some garage which has a welr established battery and generating manner. 'Taking the battery out of a car and putting it in your home forces you to run the risk of having the electrolyte evaporate, and in any event the battery
will rundown will run down.
In so far as a motor is concerned, we always think it well to place some vegetable oil in each cylinder. ing easy in the spring. It is not necessary to take the
old oil out of the crank case but becuse this in the fall it does not follow that it should not be done in the spring. Nickel parts on the engine and upon
the body will retain their luster if covered with vaseline. You had better go over the upholstering and vaseline. the dast and dirt from the folds and creases because this foreign matter will not benefit the leather if allowed to remain upon it for a long time. Such advice is also
applicable to the top, which we would ask you toshake applicable to the top, which we would ask you to shake
well and then dust oft thoroughly. Particles of grit have a tendency to harden and become thoroughly embedded in the mohair, burb
which your top may be made.
As a matter of safety from fire we always deem it an
excellent policy to drain the gasoline from the as well as the storage tank. In fact leave the car in such a shape that it will not encourage any little blaze
that may start in its vicinity. Perhaps we have neglect-

## washed twelve hours before, showed the can to contain

 milk placed in this can would have received a contamination of nearly 100,000 bacteria for each cubic left covered in a room where the temperature was about 70 degrees F . An experiment made during the winte when the temperature was below 50 degrees showedfewer than $3,000,000$ bacteria in a can singialy which would mean a contamination of fewer than 100 for each cubic centimeter of milk. steam and then turned right side up with the cover of until dry, contained approximately 200,000 bacteria or Experiments of this sort which have been carried on at the University of Missouri College of Agriculture indicate that the point of chief importance in the care of
dairy utensils, especially in warm weather, is thorough
ed one important item because we did not think the not be harmful, When you drain the water from radiator, do so with the motor in operation because yo rest assured that every drop possible has come out o the car and that any moisture which remains will br
dried up by the heat of the engine. It frequentls dried up by the heat ot the engine. It frequently
happens that motorists think they have removed alt water but find subsequently that just enough has been
left to cause trouble when a severe cold spell left to cause trouble when a severe cold spell comes along. If you are as particular about your mathitit
as we well like to have as we well ike to have you, perhaps you will not think
it lost labor to go over the springs and oil thein so that their period of goaction may be not at all detrimental. A little lubrication cannot do any damage and may result in great good.

## Auto.

## Fluid for Engine in Cold Weather.

 to start a gas engine in cold weather, which will ar quicker than gasoline?quality are many grades of gasoline and the better the quality of the fuel the easier your engine will operate $15 \%$ meather. High test tasoline usually costs about
By putting the ordinary commercial stand By putting about four ordinary commercial standa
ten gallons of camphorated oil action, according to the word of some usually get quickert
ties action
ties.

[^0]OCTOBER 25, 1917
THE FARMER'S ADVOCATE.
1659
where steam is not available sunning will give effective
results 4. Invert in a clean, protected place when results. 4. Invert in a clean, prot
dry.-From American Cheese-maker.

## Somé Cost Items in Milk Production.

Editor "The Farmer's Advocate
While the committee appointed by Mr. Hanna is ivestigating the cost and profit in the production and
distribution of milk, it might be well to summarize distribution of the facts having an important bearing on the
some point that the dairy cow of average capacity represents set thested capital of approximately $\$ 100$. At ten
years of age she has usually depreciated in value to years of age she has usually depreciated in value to
such an extent that it is necessary to dispose of her as such an extent that it is necessary to dispose of her as
a canner at $\$ 25$ or less. Being of the dairy type it
certainly would not pay to feed her a lot of high-priced a canner at
certainly would not pay to feed her a lot
materials with beef production in view.
inaterials with becf production in view.
Peginning with the question of feed costs, the farmer is at once confrpnted with a factor that has a consider-
able bearing on production. As a matter of fact, conable bearing on production. As a matter of fact, con-
ditions have so changed that it now costs upward of 125 per cent. more to produce milk than two years ago. Formerly, the farmer who planned to buy certain loodstuffs with which to balance up the ration for his
herd, followed the principle of laying in the required herd, followed the principle of laying in the required
supply during the summer months when prices were supply during the summer months when prices were
lowest. Last year's crop shortage, of course, makes this impossible at the present time; he considers himself lucky if he can secure a few hundredweight to last him from day to day. As a result, he is forced to pay a re-
tail price for raw material, and at the same time sells his finished products at wholesale. What consumer, if placed under these conditions would consider he was getting a fair deal?
If the aforesaid consumer is sufficiently interested to investigate the matter he will find that the annual out-
lay for feed per cow will not fall far short of $\$ 80$, and in many cases will surpass that figure. But feed costs are by no means all that must be taken into considera tion. After he has added interest on investment, cost and labor, service of sire, depreciation of plant, insurance tion reaches the neighborhood of $\$ 140$-considerably more than her estimated value.
Perhaps, someone who is more acquainted with the consumption of milk than its production will advise 10 proceed a little more economically, and so provide As a matter of fact, the writer has learned from his own experience, as every practical producer has done, that the dairy cow is very much of a machine, and as such will not give something for nothing. Even during the pasturing season, except, perhaps a few weeks in June,
she will not milk up to her capacity without a light ration of grain, which must be increased as the season advances. In making the foregoing statement as to annual feed costs 1 have estimated the value of pasture at $\$ 2.50$ a month per cow, hay at $\$ 10$ per ton, silage at $\$ 3$ per
ton and roots at $\$ 6$. The grain figured on was confined to that which could be purchased at a reasonable price and at the same time with a feeding value consistent with its cost. If any fault can be found with the prices quoted it will be that they are too low. Certainly mittee will call to throw expert light on the subject When it comes to the question, "To feed or not to feed," it is a case of staying in the business at a reasonable profit or getting out of it as a failure
Labor, when it can be procured, comes high. This per cow. Hence, a man who has a herd of fifteen cows charges $\$ 2.25$ a day for his work and boards himself. The writer has done just that and does not consider that he over-charged for the work involved.
manufacturer figures on when estimating his production
costs. Nine times out of ten it is entirely overlooked
by the
 on the average 10-arre farm carrying sey 15 cows
mey be farty extimated at $\$ 10,000$. Assuming that
one-alif of this sis devoed one-half of this is devoted to dairying, half of the in-
come should be ber There would, therefore, be $\$ 300$ in interest chares to be divided over 15 cows, or exactly $\$ 20$ per animal. Regarding the cost of bull service, 1 thave based my frgures on the fact that it will cost at least 860 a year Th maintain a herrd sire in good breeding condition, the herd. To this must be added the cost of insurance veterinary fees, cartage of milk, care and upkeep of utensils, etc
Unfortu

Unfortunately, many farmers have signified their intention of selling off their fall-calving cows and going,
at least, temporarily out of the business. This indicates that the problem of production cossts is becoming
serious.
"Agricola."

The Milk Flow Changes With Age.
Under ordinary conditions a heifer is expected to give considerably more milk and butter-fat the second give considerably more milk and butter-fat the second lactation than she does the first, and more the thir than the second, but a fairly uniform flow is maintaine for a number of years after a cow reaches maturity This fact influences a dairyman when placing a value on his herd, or when buying stock. If a junior or senior
t wo-year-old has a record of a certain weight of mill he estimates what that animal will do as a mature cow, and bases his value accordingly, Eckles and Warren, in "Dairy Farming," state that "on the average a well-
grown two-year-old may be expected to produce 70 grown two-year-old may be expected cent., and a fourper cent., a three-year-old 80 per cent., and a
year-old 90 per cent, of the milk and fat that she will when mature. The highest production for the year year." Pearl and Patterson, of Maine Experiment Station, have made a study of the question using records
of Jerseys entered in tests. The results are charted and published in Bulletin 262 of University of Maine They are to the effect that production changes with age in a definite manner. The chart shows a gradual rise in milk yield up to eight and a half years, then the line slowly recedes. From this it would be gathered
that a cow was at her best at between eight and nine that a cow was at her best at between eight and nine
years of age. However, there are cows on record which have held to their maximum production until well over that age. It does not necessarily follow that a cow is past her usefulness when her milk yield declines owing to age. She has a value as a breeder. The offspring
of a cow that has proven her worth is more valuable than the progeny of a heifer. It is unfortunate that failure to breed and udder trouble cuts short the period of usefulness of so many valuable dairy cows. A large number of cows are forced to the shambles from one
or both of the aforementioned troubles, before they or both of the aforementioned troubles, before they
have reached their maximum production. Greater care should be exercised to keep the-udder in good form and to prevent disease which might render the cow barren.
There is reasonable assurance that the heifer of highproducing ancestors will be a profitable cow, although
there are exceptions to all rules. The heifer which only gives three or four thousand pounds of milk the first lactation is a doubtful proposition as a money-maker from the milk point of view, no matter how well bred.
Of course, four thousand pounds of milk is well Of course, four thousand pounds of mil is well up to the possible, and every dairyman should aim at, at least, double this yield for every mature cow in his herd. At even $\$ 2.00$ per hundred for milk, a cow must give a good flow to pay for her feed, let alone give returns for labor and allow for interest, depreciation, etc. By
careful breeding, selection and feeding the average milk yield could be materially increased.

## Some High Records.

During the months of Auguet and September there were. ifiteen Holstein cows and heifers aceepted for
entry in the Record of Mesit. Wayne was frot in the mature dhase. Her seven-day Teyord being 467.3 pound mof of milk alasid 27,42 seven-day buter. Maddom Poum Pauline has completed a fuill year under official test with $27,597.4$, pounds of milk
and $1,123.5$ pounds of butter. This is the largest and $1,123.5$ pounds of butter. This is the laryest

 Johana Meg was firt in the juiniof four-rear-old dass
with a record of 521.8 pounds of milk and 23.04 pounds of butter. Colony Koba De Kol Newman, Colony Meta Shadeland, and Colony Poetese Kordylye 2nd
 senior twoyerar-old clases repectively. The Jurior two-year-old class was headed by Het Loo Artio Kornayke

Twenty-six Holstein oow and heifers qualified in the veaty receord oferin orow and heiters gualied ind and September Desta was frost in the mature class:
her reord of 27,128 pounds of mill is the her record of 27,128 poinds of milk is the largest $y$ vet
reported for a cow ualifing in the R. . . P. . .t. Aet reported for a cow dualifing in the R. R . P. test Her Her
butter record is $1,048.75$ pounds. De Koil Korndyke was frist in the foursear -oldc clase with a milk reord by Maple Leat Pontiac Girl, with 11,735 pounds of
milk pa dass of eleven two-year-olds B. C. Choiee
 418,75 pounds of butter.

Condemn not that cow before you have tested her.
There is a vast waste of energy in keeping poor cows.
The scales and tester finally kill the boarder cows
the herd, but exalt those which turn their feed to good use.
 have a butter record of over 1,000 pound

When comparing prices offered for milk, don't forget to allow for the by-products, as whey and skim-
milk. They have a cash value when fed to hogs or calves.

Save the heifer calves from the most efficient cows. times, and generally grows up to be an unprofitable proposition.
Is a grade bull good enough for your grade herd? We think not. There are many good, typey, registered
bulls for sale, which, while costing a little more than a bulls for sale, which, while costing a ittle more than a grade, wint in the end.
cheaper
The spread of disease is being laid at the door of unpasteurized by-products from cheese factories and
creameries. Pasteurization of dairy by-products from cheese factories or creameries aids in protecting your stock from tuberculosis and other diseases,
The results of an investigation made by Purdue six winter months, showed that feed and bedding required to produce 100 pounds of $3 \%$-per-cent, inill cost $\$ 2.16$. The labor cost was 51 cents and overhead expenses 47 cents, making a total of $\$ 8,14$ per 100 pounds.
According to this the prevailing price for milk barely According to this the prevailing price for milk barely
pays for feed and bedding, leaving the dairyman to pays for feed and bedding, leaving the dairyman to
work for nothing and carry overhead charges besides.


Hillside Peter Pan


King Fayne Alcarten.
First zenior Holstein calf at Toronto and London for M. H. Haley, Springford, OAt

THE FARMER'S ADVOCATE
Founded 1866

## POULTRY.

## The Value of Mineral Elements in

 Poultry Feeding.Editor "The Fazmér's Advocate"
Observations from practice in poultry feeding give the general impression that the quantity of mineral
matter supplied to fowls should be sufficiently large. but little attention has been given to its composition. from which the animal-body is constructed, in amounts sufficient to sustain growth, and it is recognized that deficiencies in the amount and kinds of nutriment vaiabie may affect not only the size but also the
character of the growth of animals. On the other hand, there is a prevalent idea that the mineral- nutrients are present in all foods in excessive amounts and that thereore, the study of this matter is not of great practical
importance. The fallacy of such an assumption is clearly yorne out by experimental data at hand, although detailed information with reference to mineral nutrients in poultry feeding, in particular, is limited. Available
results of such work are obtained from-Ingle in England and South Africa, Laurie in Australia, Wheleter and data is obtained from the tes. Valuable comparas of the Ohio Experiment Station (U. S.)
Concerming feering practice it may be said that there is no particular relationship between the compounds of
the ash and the compounds in which the clements occur in plants and animals. But with this particular phase we are not chiefly concerned, since our object is determine the mineral requirements for specific purpose

Mineral Elements in the Fowl's Body.
Calcium appears abundantly in the form of calcium oxide (Ca0); thr
and seven-eights and seven-eights or the ash of bones is phosphate of Phosphorus muscular contraction.
Phosphorus occurs in a number of forms; inorganic phosphates, which occur throughout the body in solutio lecithins which are found in all plant and animal cells phosphoproteins and nucleoproteins. In the inorganic phosphates phosphorus is present as salts of the mineral
basis, calcium, magnesium, potassium and iron. These are readily digested and a ssimilated and may be retained in the body and used for the various functions. Three fourths of the mineral matter of the body is inorgani tralcium iphosphate.
Iron is one of the least abundant though most im
portant elements in the body. Without iron the blood cannot carry oxygen
Sodium-1s present principally as chloride, common salt, (NaC1.) but also as the phosphate and carbonate.
Sodium salts are essential to cardiac relaxation. With. Sodium salts are essential to cardiac relaxation. With-
out sodium and calcium salts, the heart is unable to out sodium and
function at all. Pota
. small quantities in the bones
Sulphur is an essential constituent of all of the teins of the body

## The Functions of the Mineral Elements.

When we consider that the mineral elements in the
body are most of them strongly acid or basic, we know that their compounds have a tendency to become
excendingly active when in dilute solution. Thus, through their particular attributes the mineral elements maintain a very important relation to practically all the vital processes and they enter into the composition
of every tissue and fluid of the body. In considering the constructive purposes of the mineral elements we note that calcium, phosphorus,
sulphur and iron are used in the formation of the essential structures in the body. Iron, also, through its affinity for oxygen, becomes a carrier of gasêous products and
functions in the liberation of energy. Sulphur and phosphorus contained in proteid substances give rise neutralized through the equilibrium existing in the blood bet ween the alkali carbonates and the phosphates. Again the activity of enzymes, which function in building up
and tearing down chemical compounds in the animal which are maintained through the presence of mineral salts. "The control of both voluntary and involuntary
muscles is accomplished through the proportion of calcium, magnesium, sodium and potassium salts are to serve in the movement of liquids of minoural shout the
body and its tissues, to facilitate vital processes invelving the proteids, and to keep certain nitrogenous con-
vtituents, in solution, in the liquids of the body sttuents, in solution, in the liquids of the body.
Calcium in the blood is essential to its coagulation, chloric acid in the gastric juice, peppini being inactive
except in the presence of hydrochloric acid.
The Mineral Elements must be Properly Balanced the mineral elements serve in nutrition and it is also
interestina to note the effects of lack of mineral nutrients From Forbes we elearn that Forster, a German physiologist, first proved that animals can live but a few days
on olood that is ipactically free from mineral mater,
and, strangely, "that animals will live longer if given
the deficiency of mineral matter-chiefly phosphate
of lime in the bones of animals suffering from a pecuitia bone disease (osteoporis) Ingle was led to attribute its prevalence in South Africa to the peculiar diet used often entiriely of of oat-hay or oat-hay and maize grain. Both of these foods are characterized by containing a high proportion of phosphoric acid and a low proportion
of lime in their proportion of phosphoric acid and a low of lime in their proportion of phosphoric acid and a low
proportion of lime in their ash. In experimenting with proportion of lime in their ash. In experimenting with
rations to overcome the conditions resulting from con tinued feeding of oat hay, Ingle prepared a diet to which he added various mineral salts and which gave very
beneficial results. His work with horses led to further beneficial results.
work with poult
In regard to the erroneous assumption that it is the amount and not the composition of the ash constituent that is important in bone formation, the feeding of bran Is rich in may be taken as an excellent example. Bran as being peculiarly well fitted for bone formation. It contains, as a. matter of fact, about $3.3 \%$ phosphorus fore not especially suitable for the promotion of bone formation.
The results of the analyses of Lawes and Giibert of the whole carcasses of various farm animals show that
the total lime present exceeds the total phosphoric acid the total ime present exceeds the total phosphoric acid acid to 150 of lime. Seeds of all kinds contain far more phosphoric acid than lime though many contain con-
siderable quantities of magnesia; there is always a siderable quantities of magnesia; there is always a
preponderance of phosphoric acid. Stems and leaves preponderance of phosphoric acid. Stems and leaves
of plants, as a rule, contain a preponderance of lime. If, as we have reason to believe, animals require for healthy bone formation and renewal, lime and phosphoric acid in approximately equal proportions, it is
evident that a diet composed exclusively of the grains is not adapted to supply their needs and cannot be used, for long, without injury to health. From a consideration of these facts it appears possible that the value of green food or substitutes may depend chiefly upon the
lime content.

Mineral Supplements to the Diet.
Some years ago Ingle devised a preparation intended to be administered along with the usual food, adapted to ensure that the animals, so fed, should receive adequate might be lacking in their ordinary rations. This prescription he supplied to several correspondents in South Arrica, and whenever tried the preparation proved very beneficial in preventing ill-health in. poultry kept in conimement. In England and America where greater
variety of food is usually available, the need for the preparation is perhaps not so great, but even with poultry keperul experimental conditions, a decided in. crease in the rate of growth of young poultry.
An interesting and suggestive contribution to the Edward Brown linge Farm, Theale, England, under President of the International Association and at present and investigators in Poultry Husbandry; Experiments were conducted with a preparation of mineral salts prepared by Ingle as follows: Common salt, 30 parts;
phosphate of soda, 9 ; calcium fluoride, $1 ;$ ferrous sulphate, 1 ; bone ash, 30 ; chalk, 14; Epson salts, 10; charcoal, 2 and flowers of sulphur 3 parts, making 100 parts
in all. Two lots of White Wyandotte chickens, besides others, were fed from birth in exactly the same way,
excepting that one pen received a small quantity of the excepting that one pen received a small quantity of the
"mineral food", while the other did not. At eleven weeks old the nine chickens in the former pen weighed latter pen an averagee of 28 oz., the twelve chicks in the
libs., 2 oz., or an average of 20 oz Remembering that the chicks were all fed in the manner these results afford. strony evidence of the varief diest of the "mineral food," for liad the diet been composed of in confnement, there can be little doubt that without this addition the growth would have been less than it of laying hens, with a grass run, carried out by Edward Brown showed little or no effect so far as number or weight of eggs produced was concerned, but the birds receiving the mineral food came to lay more quickly,
but whether this result was due to the mineral food or to other causes cannot be stated. In other trials, carried it was noticed that with pullets the mineral food induced perfectly erect instead of pendulous, as is usually the
In experiments to determine the source of material
for the egg shell, Wheeler at the New York Experiment
Sal Station found that lime in, the eggy shell was largely
derived from the calcium of oyster shell fed in a test comparing oyster shells with broken glass.
Wheeler found that most grain rations for groving chicks were improved by the addition of bone ash,
Oyster-shell was found to be less valuable than bone ash and rock phosphate.
Growing chicks need calcium phosphate as a mineral supplement to the grain rations. Laying hens need
calcium carbonate as a mineral supplement to the grain
rations: egg shells are high in percentage of caliun sations; egg shells are high in percentage of calcium
since they are almost pure calcium carbonate. little has been done to determine specifically the value of
stanat mineral elemente available data shows conctutiver of the vital processes as well as for for the functioning worl and eggs. It is clearly essential, then, that definite ical methods of supplyin todetermine the mosteconom in specific rations.

Prevent the Birds Contracting Colds.
The loss to poultrymen occasioned by catarri foll and winter months. To a good deal during the early fall causes an outbreak in flocks which are properly nourished and housed. Roup in particnia is infectious and spreads from one bird to another consequently it is not unusual to see the, majority o contagious and may only affect a few birds is non trouble is caused largely by exposure to cold and draft Weak stock will be attacked before strong, wionom birds. When symptoms of colds are seen in the in dividuais of the flock, treatment should be administere disease known as roub developing into that more fata from the mouth and nostrils and then warm water uise to cleanse them. Potassium permanganate, two-per-cen solution, or a two-per-cent. solution of boracic acid may be used of the eye, the nostrils, larynx and trachea. The symptoms of the disease are known to most .poutryy
men. There is usually a fever and a dullness in the men. There is usually a fever and a dullness in the
birds, and a thin, watery discharge from the nasal open ing which a thin, watery discharge from the nasal open ing which alter two or three days may become thick and and completely closed in time. The birds sneeze in an effort to dislodge the secretion from the air passages. They have no appetite and sit around with their heads uickly, the course of the a rule roup does not kil it is often noticed that affected birds will a duration bet ter for a few days and then become worse. It is claimed that roup will remain in the flock for a number of year and cold and dampness will so aggravate it as to bring pronounced symptoms. The dsease is not nearly so winter. The following mode of dealing with the diseas s given in "Diseases of Poultry," by Pearl, Surface and Curtis: "The best treatment is prevention. The diseas an be prevented by stopping of infection. In intro
ducing new birds always procure them from uninfected locks. Isolate all new birds and all birds which hav been exhibited at shows, for two or three weeks, to mak sure that they do not develop the disease. Exclode rom uninfected house and yard poultry and all animals coming from those which are infected. Do not use im Keep the birds in a good hygienic condition, well nour shed and in dry, well-ventilated houses and-room yards. If the disease has been introduced into the ock, immediately separate from the flock any bird hich show symptoms. Disinfect yards and house ganate in the drinking water. Burn or bury all birds that ie. Medical treatment is as follows: If the eyes an oostrils are attacked they have to be carefully washe at least twice a day with an antiseptic solution such as flowers, or one-half per cent. solution of corroslve sub ganisms. The use of one to two per cent. of permanganate of potash has given
good results. The nostrils are pressed between thumb and forefinger in the direction of the beak. This helpe to loosen the discharge in the nostrils. The bird's head wenty or thirty seconds. When solid tumors occur on he eyelids, they should be opened and the cheesy matter removed, then the surrounding membrane touched with a five-per-cent. carbolic acid solution.
Treatment requires a lot of time and patience, consequently every means should be adopted to prevent infection. No poultryman can afford to have half or even a quarter of his flock used up by this disease
for a portion of the winter when eggs are high in price. Poultry must be attended to if results are to be obtained and non-productive the greater portion of the tim

## HOR'TICULTURE.

## Some Good Things

Editor "The Farmer's Advocate": now is the time to dig out a few nuggets of experience
of value in planning future work. Some crop may ail to make good any year, but one can always count on a harvest of information. Like charity, it never faileth. The best garden book is the plot and what
grows in it. There is something worth while to be learned from every day's page.
Potato Seed Trial.-At the Potato Seed Trial.-At the rate potatoes have rotted in some patches, the owners will do well to conserve
seed tubers for next spring. The question is whether eat the small ones or the big ones, or to dig out the
eyes to plantand eat the rest. A Michigan seed catalogue eyestoplant and eat the rest. A Michigan seed catalogue
offering eyes for sale led me to make a trial on my own account in three rows. In No. 1 row I planted three


No. 2, three small, uncut potatoes, and in No. 3, three
cutto of god-sized potatoes. I took particular pains in mellowing the soil so that the eye sets might have a
fair start, but the yield was only about one-quarter of fair start, but the yield was only about one-quarter of
that from the planting of the little, cull tubers, and the that from the planting or the little, cull tubers, and the
hatter was ten per cent. less than that from the elant-
年 ing of first-class cuts. The potatoes from the seed
cyes in size, ranged from medium to small, and the small of gave a far larger proportion of small potatoes
than what was dug from the seed cutsof the good tubers. If one has nothing else left but eyes they may be used,
fut the trouble is that they receive a very poor start but the. trouble is that they receive a very poor start
in life compared with the eye bedded in a sice of a full-
ghow potato. Like produces like in potatoes. Strawberry Mulch- -In mulching strawberry or
other plants for winter, make sure that it is free from weed seeds. I once tried some old hay and got a dose
of twitch grass for my pains, and another time a growh of timonthy from a wheat-straw litter. A A light dressing
of stable manure rotted down so that weed seeds have of stable manure rotted down so that weed seeds have
perished 1 have found a good dressing for winter.
The Mulberry--In making a list of fruit trees for
lanting next spring include a mulberry or two. Our planting next spring include a mulberry or two. Our
lagre tree was in bearing this season from July until
Ond October, making pies and preserves galore. The fruit
resembes a large thimblebery but is less sedy. Its
sweetish flavor makes it fine to mix with fruits of a sweetish favor makes it fine to mix with fruits of a
more distinct or acid tang. It is a steady and prolific yielder for over two months. It requires care in pick-
ing as it falls easily and should be headed down to ing, as ible height. Our old tree had run up to about thirty feet hight with sprawling limbs, but by drastic
surgery the three main trunks were cut down to about surgery the three main trunks were cut down to about
fifteen feet high, and, throwing out fresh shoots freely, made a better tree and a better fruit bearer. It stands
hard usage well and is popular with the birds. Try it.
Onion Growing Trial.- The best results this season in onions were with Prize Taker variety, started from
seed in a hot-bed and transplanted to open rows on May 28, but the Yellow Globe Danvers seed sown in
open rows on May 13 were- a close second in size and open rows on May 13
quality of bulbs grown,
Sweet Corn.-It is not easy to beat Golden Bantam to be popular with boarding housekeepers in war ration times. After several years' hunting I found this season
that Golden Nugget about fills the bill. It grows a that Golden Nugget about fills the bill. It grows a more generous ear, larger and of a diameter better
designed to fill a No. 10 mouth. And best of all, the strain tried preserved the peculiar sweet, tender and
juicy quality of our old friend, Golden Bantam. This he Golden whict one might expect from its habit of growth. It has a handsome, orange kernel, and the ears were used
on into October. The planting of this sort was on June
4
Some Beans.-Another good thing tried out was the
Kentucky Wonder, yellow podded, pale bean, delicious as any snap, wax variety and stringless. Many of
the pods were seven and eight inches long, very thick the pods were seven and eieght inches long, very thick
and meaty, and I counted over one hundred pods on a pole at one time. Somebody may tell you that the green
podded Kentucky Don't believe him. With mee it was not as early, as prolific, nor of as fine quality. For an early, low
bush bean Michigan Golden Wax is a capital sort, but Hudson Wax proved a heavier and longer bearer. are lucky enough now to have some ripened beans take good care of them for seed. An early frost slaughtered so many acres of Western Ontario beans.
Winter Care of Celery to store the celery for winter use. This was a good season garden.Paris Golden for early and Giant Pascal for late, and untit well.et and hard frosts threaten. Packed in
moist sand in a col moist sand in a cool quarter of twe home cellar in rows
with inch boards between, the Giant Pascal kep on until May in sweet, nutty condition last season By the way, Hubbard ssuash are a t troublososome vesoge-
table to keep from spoiling with a moldy rot in early winter. The main point seems to be to keep them
in a dry place, fairly cool and not touching each other. a plant of semi-tropical origin, the summer of 1917 was a disheartener for many reputable varieties of tomatoes.
Most of the twelve sorts under trial developed loads of good-sized fruit, but there was not sunshine and hea
enough to varieties like Stone, Trucker's Favorite and Ponderoso were severely left behind. The last-named and the
New Monarch, said to be an improved Ponderoso, are very large, prolificand, as a rule, irregularly shaped to-
matces, but the New Monarch surpassed anything in the garden in meatiness, freedom from seeds and cavities somer kinds iss their excessive acidity for mating hand sliced
and canning. Those named were protific the Stone giving canning. hheaviest yield of were uniformly, lifc, the sto smone
and perfectly
arshaped fruits but neally mained green. Atter four yearss' trial with seed from
American and Canadian sources, the Earliana classed itseif as the poorest apology for a tomato. The earliest
ripening was Livingstone's New Manifold, a good-
rield yielding, was Livingstones New Nanith sort, a g yood
less imp of size, yield, earye by culture. For a combination other desirable qualities,
Chalk's Early Jewel, Bonny Best and It talian, a scarlet withe-developed "sport" outclassed all the others, and
we tone are set down as the main reliance for the next seeding, with a smooth selection of the New

Monarch sort for home table use. One specially de-
sirable feature of the kinds named is that they have plenty of vine and foliage necessary to sustain and pro tect a load of good fruit threushy trought and frosts. Phe impsional improvers should keep this in view and also
thenement of tomato flavor, which cultivated the improvement of tomato flavor, which cultivated
tastes moll more and more demand.
Hot-bed Soil Hot-bed Soil, -On the first available fine day be fore winter comes, those who start planning now for a good garden in 1911 should get up a big load of swamp
mould and dump it where the hot-bed will stand, be cause frost and floods may prevent securing it in spring when wanted.
Pests.-Barring the green cabbage worm, which
slacked lime and hellebore slacked lime and hellebore kept in checck, insect pests
were not troublesome during the past season and, for were not troublesome during the past season and, for some in the writer's 1917 garden than ever before, for some in the writer's 1917 garden than ever before, for
the simple reason that they have not been allowed to run to seed and only rotted manure, plowed down in the fall, was used on the plot.
Middlesex Co., Ont.

## Yields of Apple Trees at Different Ages.

s to question often arises in the mind of the orchardist apples and wait several yeers for returns varieties of kinds, the fruit of which is not so desirable but is borne by the tree at an early age. Some have compromised planted such kinds as Duchess and Wealthy in blocks Is close together as one rod to 18 feet apart both ways. In one case they expect almost immediate but moderate
annual returns, while' those $w h o ~ c l i n g ~ t o ~ t h e ~ s t a n d a r d ~$ varieties are content those who cling to the standard anticipation of a product that will bring a higher price and is easier to handle and dispose of. It has never
been decided definitely by experiment which is the more been decided definitely by experiment which is the more
profitable, to polant a Duchess tree and begin to harvest fruit in the third year or plant a Spy and wait a dozen Inean considering the total returns. over a period of
20 or 25 years. We have used these two varieties as 20 or 25 years. We have used these two varieties as an illustration only; the same might be done with several
important varieties of apples. The such experiment, on the other hand, might tend to prove incorrect any statement made, no matter how conclusive
the test proved to be. For instance, let it be found that Duchess, Wealthy or any other early-bearing variety
would pay more handsomely during the first 20 or 25 years after setting than Spy, Baldwin, Grening and
several of the standard kinds, and the setting of that type would become so extensive that the demand would not consume them at remunerative prices. The Spy-
Baldwin-Greening class would then prove better Baldwin-Greening class would then prove better payers
and the experiment would have been in vain. At the and the experiment would have been in vain. At the
Central Experimental Farm, Ottawa, records have been kept for a period of 18 consecutive years, and much use-
ful information is available as a result. However several standard kinds are not hardy at Ottawa and are consequently absent from the report. If experiment
stations could see into the future and outline work that would benefit someone in years to come they would add very materially to their usefulness. "Hand to mouth" experimenting and thinking always of the
Annual Report is one reason that our horticultural stations are not accomplishing as much as they should. ing the annual yield of a great number of varieties for a long period, is the only thing of its kind that has come to our attention. Unfortunately the Spy Greenbut Mr. Macoun's comments on several early-bearing
kinds are interesting. They are reproduced in the fol${ }^{\text {lowing paragraph }}$ lit has been
into bearing the sixth year after planting at Ottawa In that year a tree has borre about two eleven-quart
baskets of fruit, and by the eighth year nearly of fruit is borne on a tree. By the tenth year a barrel and a half; by the twelfth year three barrels; the fifteenth and a half barrels; the twenty-first year seven barrels; the twenty-third year six barrels, and the twenty-fourth year four and three-quarter barrels, or an average and a half barrels a year. Taking the average per year or nineten years during which it has been one tree has
we find the average yield per year from one been about two and three-quarter barrels. It would look as if one might safely count on two barrels a tree. reliable and productive varieties by begins bearing
the third year after planting, and by the sixth year the the third year after planting, and by the sixth year the
trees will bear nearly a barrel apiece, by the eighth year two barrels, and by the tenth year three barrels;
by the eleventh year more than four barrels, and the maximum crop so far has been reached in the twentyfourth year when a yield of over eight barrels was
obtained from one tree. One tree bore the following craps in thirtene years, beginning with the eleventh
year $21 / 2,2,314,3,41 / 2,3,4,2,41 / 2,4,6,2,51 / 2$ barrels. Other trees bear a heavy crop every other year. The average yield per tree from the third year to the twenty,
sixth is about two barrels per tree, and from the tent year to the twenty-sixth, three barrels. "The Wealthy is one of the earliest and most pro-
ductive bearers, but it does not become a large tree, and the maximum crops have not been as large as some other varieties. It begins bearing the second or third year
after planting. One tree gave as much as nine gallons
of fruit the third year, but as a rule there are only a few not give more than from three to five gallons the fourth rree, although thear there is about hall a barrel to a By the seventh year the trees will be bearing a barrel or over, and by the eighth year there has been as high trees will bear two and a hall barrels, and by the
 The highest yield obtained from a Wealthy in one year was $53 /$ barrels in the twenty-fourt $y$ year. The average yield per year fromit the third to the twenty-sixth year is about a barrel and a half. This is a fow average
compared with some other varieties but the Wealthy is a small tree and as a rule bears heavily one year and has a light crop the next which brings down the average.
But from the twentieth to the But from the twentieth to the $t$ twenty-sixth
average is two and three-quarter barrels a tree.

## FARM BULLETIN.

Results With Root Seed Growing in Canada.
Among the problems that the great war has created
for Canada, that of growing root seed, i. e. seed of siwede and fall turnios, mangels, and field carrots, may seem Yet, this problem is to-day one of the most vital to the Cet, this problem is to-day one or the most vital to the
of $1,927,313$ pounds of turnip canada impoed $1,056,060$ a total
pounds of $1,927,313$ pounds of turnip seed, $1,056,060$ pounds
of mangel and beet sed. In 1916 , the import of turnip seed dwindled to 150,855 pounds and the import of mangel and beet seed to 63,797 pounds. In 1917
the figures stand at 291,379 pounds for turnip seed and
891,677 for mangel and beet seed. That Canada was 891,677 for mangel and beet seed. That Canada was
running a great risk of having her supply of toot seed from Europe shut off, partly or wholly as a result of
the war, was predicted in an Experimental Farms bulletin

 root speed growing is unky uown at at preseant, will prove but also to be especially well adapted to soed raising, To what extent this prediction was justified, is shown
by the data following: In 1915 the Central Experimental Farm at Ottawa produced first-class nangel seed at the was produced at the Experimental Farm at Ageasediz, B. C. at the ate of 2,100 pounds per acre, at the Experimental Station at Lennoxville, Que, at the rate of 1,150
pounds per acre and at the Experimental Station ot pounds per acre and at the Experimental stater acre.
Kentville, N. S., at the rate of 2,100 pounds per and The same year the Experimental Station at Lenox-
ville, Que., raised turnip seed at the rate of close to 1,250 puonds to the acre.
But what about the profit? Does it pay the grower
to raise that kind of crop? to raise that kind of crop? $\mathrm{As}_{8}$ an answer, it may be stated that there was, according to records
profit of about 880 per acre from the mangel seed crop profit of about 80 per acre rom the mangei seed crop
at the Experimental Farm, Ottawa, in 1015 . And this
in at the Experimenare that the men handling the crop were
in spite of the fact
quite unfamiliar with the same. The above figures quite unfamiliar with the same. The above Cares
indicate, most decidedly, that there are, in Canada great opportunities for developing a new 'ield in agri-
cultural activity promising substantial rewards, from a profit standpoint,too'those wion take up root sed growt ing conscientiously, and in a business-like manner. May it also be added that the raising, in Canada, of the seed
needed in the country will directly help to increase needed in the country will directly help to increase
the average yield of the root crops of the Dominion.
ExPERRMBNTAL FARMS Nots.

Distribution of Seed Grain and Potatoes.
By instructions from the Hon. Minister of Agricul ture a free disttibution of superior sorts of frain and
potatoes will be made during the coming witer and spring to Canadian farmers. The samples of grain for distribution will consist of spring wheat (about 5 lb .) white oats (about 4 4 lbs .), barley (about 5 lbs .), and field
peas (about 5 lbs .). These will be sent out from the peas (about 5 Ibs.). These will be sent out from the
Central Experimental Farm, Ottawa, by the Dominion Cerealist, who will furnish the necessary application forms. A distribution of potatoes in samples of about 3 1bs. will be carried on from most of the experimental
farms, the Central Farm supplying only the Province ${ }^{\circ}$ All samples will be sent free by mail. Only one All samples will be sent free by mail ony one
sample of grain (and one of potatoes) can be sent to each applicant. As the supply of seed is limited,

Director, Dominion Experimental Farms.
According to the Census and Statistics Office, the
total yield of wheat for Canada is now provisionally estimated at $231,730,200$ bushels, the average yield per reported a month ago, and with 17 bushels the yield of 1916. Of oats the total yield is $393,570,000$ bushels, as
compared with $410,211,000$ bushels in 1916 , the compared with $410,211,000$ bushels in 1916, the average
yield per acre being $291 /$ bushels in 1917 yield per acre being $29 / 1 /$ bushels in 1917 as compared
with 37.30 bushels in 1916. Barley bushels, as compared with $42,770,000$ bushels in 1916 . the average per acre being $211 / 2$ bushels as compared
with 23.72 bushels in 1916 . The yield of rye is $4,230,800$ bushels, which is slightly more than the quantity re.

# Toronto, Montreal, Buffalo, and Other Leading Markets <br> Week Ending October 18. <br> Receipts and Market Tops. <br> Dominton Department of Africulture, Uve Stock Binch, Markott intoligenco Diviclon 

cattle


HOGS

## Toronto (Union Stock Yards)

Montreal (Pt. St. Cha
Wintipeg.

Market Comments

## Toronto (Union Stock Yards.

 MHeavy shipments of cattle arrived atWest Toronte daring the week. In ad-


$\square$ that were on the open market, about two
thöisand head were conigned diriect to
tooal ahattoirs thousand head were consigned direct to
local abatotoirs. The bulk of the latter
came from Winnipg there were also came from Winniieng, there were also
received from Nigniper about four
hundred head billed through to Buffalo,

 was slow and inactive with prices down
10 ot 25 cents except in the case of real
choice catte. choice cattle. Few of these were offered,
the bulk of the cattle being medium and
mmmin common nuality, with the remainder
largely of the feeder order. While trating was possibly a little more active
on Wednesday and Thursday, prices. on Wednesday and Thursday, pricess
barely held steady at Monday's decline. and very few heavy cattle were on sale.
One load went to a Hamilton abattoir ane 12 per hundred, two other loads sold te $\$ 11.8 \mathrm{~s}$, while those of medium quality
realized $\$ 10.75$ to $\$ 11.25$. Butcher sters reaized 10,75 to 11,25 . Butcher steers
of one thousand and eleven hundred
pounds sold as high as siv in a few instances, but the biilk of the sales was
made under $\$ 10.50$. $\mathrm{Handy-weight}$
made ander sters si.
sters and heifers sold up to 810 , the buik selling from $\$ 9$ to $\$ 9.75$, while those on
common quality sold from 77.50 to $\$ 8.50$ per hundred. Butcher cows of quality
were steady and active at last week's prices while a good steady demand pre-
vailed for canners and cutters. The vailed for canners and cutters. The
bilk of the bulls were of common breeding and sold from $\$ 6$ to 87 per hundred. A
fair demand prevailed for stockers and feeders and liberal shipments were made to Ontario points. Heavy feeders sold
as high as $\$ 10.75$, while the bulk brought than last week, and while a couple of loads sold at $\$ 9.50$, this price was considerably above the ruling figure. The
best loads of Western stockers sold from
$\$ 825$ to 8875 , quality sold from $\$ 7.25$ to $\$ 8$. Several hundred were shipped to Buffalo during the week. Calves were fairly steady, choice veal seling at
load of stocker calves averaging three
hundred and seventy-five pounds from Coad of stocker calves averaging from
hundred and seventy-five pounds, from
Winnipeg, went to an Ontario farmer at Winnipe
$\$ 10.00$

The lamb market held reasonably steady all week. On Monday, the bulk
of the lambs sold from $\$ 16$ to $\$ 16.50$, while a few reached $\$ 16.75$. On Tuesday they were 25 cents lower, and moved more freely at the reduction on Wednes-
day. On Thursday the market was barely steady with quotations ranging barely steady with quotations ranging
from $\$ 16$ to $\$ 6.50$ per hundred. Livht
ewes are selling at $\$ 10$ to $\$ 12$ for killing from ewe tollling at $\$ 10$ to $\$ 12$ for killing
purposes.
Since the apolication of the purposes, Since the application of the
Free Freight Poolicy of the Live Stock Branch, Dominion Department of Agribought for farmers at prices ranging from $\$ 13$ to $\$ 15.50$ per hundred. Several loads were shipped out free of charge
under this policy during the week under this policy during the week.
Hogs on the Monday market sold at Hogs on the Monday market sold at
$\$ 18.75$ per hundred, fed and watered. On Tuesday prices ranged from $\$ 18$ to
$\$ 18.25$, and on Wednesday from $\$ 17.75$ to $\$ 18.25$, with one load selling at $\$ 18.3$


OCTOBER 25， 1917

## THE FARMER＇S ADVOCATE．

The Molsons Bank
is always glad to assist farmers in any legitimate financial way to make their farms more productive．

State your requirements to our local manager and he will be glad to advise and assist you．
and 61,958 hogs：compared to 36,477
and 61,958 hogs，compared to 36,477
cattle， 38,587 calves， 41,998 sheep，and
T0， 607 hogs，received during the corres $70,607 \mathrm{hogs}$ ，received dur
ponding period of 1916,
EAST ENP－Of the disposition from the Yards tor the week ending October
1th，Canadian packing houss and local
butchers purchased 1,624 butcher cattle butchers purchased 1，624 butcher cattle
and 1，046 hogs；Canadian shipments and 1,046 hogs；Canadian shipments

were made up of 241 calves， 474 butcher | cattie，and 621 lambs．Shipments to |
| :--- |
| United States points totalled 712 calves | 146 butcher cattle，and 532 lambs．

The total receipts from January 1st cattece 37,312 calves， 29,82 ，sheeep，and
35,367 hops；compared to 35,968 cattle， 35,367 hogs；compared to 35,988 cattle，
3,279 calves， 33,626 sheep and 47,621
hogs， hogs，received during the
period of 1916．
The market for cattle is unsettled and week amounted to fourteen thousand head sold on the open market，and eleven
hundred on through billing．On Friday hundred on through billing．On Friday
under an exceptionally heavy run and under an exceptionaly hand that were With many cattle on hand over from the previos week，all
hevid
aviable yard space was taken up，and available yard space was taken up，and
in some cases consignments of cattle remained unloaded for several hours． This condition，coupled with disquieting
news from the south，gave the market an easier tone on Saturday．With manusually big offerings the market held about
steady on Monday although buyers were steady on Monday although buyers were
reluctant purchasers at the prices ruling． reluctant purchasers at the prices ruling．
On Tuesday those who sold early in the forenoon were fortunate，as the market weakenedlater in the morning when word
was received to the effect that a railway Was received to the effect that a railway
embargo had been placed on cattle embargo had been placed on Cattue
shiments to St．Pal and Chicag
and prices declined from 25 to 40 cents． Word was reccived that the embargo had been lifted by noon but the market re－ mained unchanged at the decline．Later
in the day with the Yards full it was in the day with the Yards full it was
announced that five hundred cars were in transit from the west and the Union
Stock Yards authorities placed an embargo Stock Yards authorities placed an embargo
on cattle in order to relieve the pressure． on cattle in order to relieve the pressure．
The following day the market was weak On Thursday，only one southern buyer was on the market on which day prices
were 25 cents lower，and $\$ 2$ below those were 25 cents lower，and $\$ 2$ below those
prevailing two weeks ago．Normal conditions however，are expected as soon
as the time values are lower．Few choice cattle are coming forward，the majority of the
receipts being of plain quality．Twelve receipts being of plain quality．Twelve
sters of thirteen hundred pounds weight
bet steers of thirteen hundred pounds weight
brought $\$ 11$ per hundred and one sold good sales and were made before the decicenc occurred．The bulk of the heavy steers brought from $\$ 9$ to $\$ 10.50$ ，while
a number weighing from one thousand
to s9．75．Sters of medium quality were

weighed up at $\$ 7.70$ to $\$ 8.75$ ．A number | of light butcher cattle are being received |
| :--- |
| and these sell $f$ roa | and these sell from $\$ 7.75$ to 88.80 for the

best，and from $\$ 6.70$ to $\$ 7.60$ for those of common to fair quality ．$\widehat{\text { There was a pood run of stockers and }}$ Theere was a good run of stockers and occurred．The best stockers sold from
$\$ 6.50$ ．$\$ 7.75$ ，and those of medium
quality quality from $\$ 5.60$ to 86.50 ．Chioce
heavy feeders sold fom $\$ 8.50$ ，$\$ 10.60$ heavy feeders sold from $\$ 8.50$ to $\$ 10.60$
whie a few sold as high sin 81 ，and light
feeders．brought from $\$ 7.25$ to $\$ 8.75$ ． eeders brought from $\$ 7.25$ too $\$ 8.75$ ．
Too hundred and ninety head which
sold at $\$ 10.25$ per hundred were shipped sold at andred $\$ 1.25$ and ninet hundred wead whiped
south．During the week，twelve huindred
stockers and feeders were shipped to the
west，twelve hundred and sixty to the west，twelve hundred and sixty to the
south，and nineteen hundred and thirty to the east，Of the movement to the east one thousand head were shipped under
the terms of the Free Freight Policy the terms of the Free Freipht Policy
of the Dominion Live Stock Branch． Sheep and lambs were 25 cents lower per hundred the best sheep from $\$ 12$
to $\$ 13$ and common hheep and bucts to $\$ 13$ ，and common sheep and bucks
from $\$ 5$ to $\$ 9$ ．There exists a good de－ from $\$ 5$ to $\$ 9$ ．There exists a good de－
mand for breedy ewes from country The run of hogs for the week totalled
thirty－three hundred．Four hundred were thirty－thriee hundred．Four hundred were
shipped east and the local packing houses shipped east and the local packing houses
took the remainder．The quality of the run was only fair．The market opened ran was only fair，The market opened
25 cents lower，and held steady during
the remainder of the weekk at 17 fit fill the remainder，of the week at $\$ 17$, fed
and watered，for selects；$\$ 15$ to $\$ 16$ for and watered，for selects；$\$ 15$ to $\$ 16$ for
heavies；$\$ 15.70$ to $\$ 17$ for lights；$\$ 14.50$ to \＄1．．50 for sows，$\$ 10$ to $\$ 12$ for
 for the week ending October 11th，cana－
dian packing houses purchased 179 dian packing houses purchased 179
calves， 5,130 butcher cattle， 2,128 hogs
and 452 sheee calves，
and 42 sheep and lambs．Local butchers
purchased 180 calves 731 butcher purchased 180 calves， 731 butcher catte
Sh hogs and 379 sheep and lambs． Shipments back to the country were made
up of 28 calves， 93 butcher cattle， 1,614 stockers， 479 feeders，and 241 sheep．
Stipments to United States＇points totalled 1,473 butcher cattle， 174 stockers ${ }^{\text {and }} 385$ feeders．
to he total receipts from Jenuary 1st cattle， 7,207 calves， 11,956 sheep and lambs，and 19,233 hogs；compared to
90,901 cattle， 7,848 calves， 13,270 shee and 254,020 hogs，received during the
corresponding period 1916

## Buffalo．

Cattle．－Cattle trade on steers generally continued bad at Buffalo last week．
Receipts were the laryest for any one week for the year of 1917，and with jhe government to fo fix prices on meats November first and a general bullish
feeling among killers，had the effect of lowering values on steers from a quarter week were Canadians，ranging up to $\$ 13.25$ for a load of heavy steers，averag－ ing 1,445 lbs，and being desirable，other
shipping steers ranged
from $\$ 11.75$ to $\$ 12.50$ ．In the butchering steer line values droppeof fully a dollar generally，
and this take of was noted on butchering heifers．On stockers and feeders，while the demand was not as keen as the pre－
vious week，still prices were only a shade vious week，still prices were only a shade
easier and selles had little complaint， good weight feeders reaching 811 ．Best aend were Canadians，with best heavy
and
Canadian cows in loads reaching $\$ 9.25$ Canadian cows in toads reaching 89.25 ，
a few fancy up to $\$ 10$ ．Bulls of alt a few fancy up to sio．Bults af all
grades sold at about steady prices，while
the demand was strong for milk cows and semanderw，these selling at higher
prices．Atter Monday quite a few steer prices．After Monday quite a few steer
catte were held over and prices were
and lower．Receipts for the wek totaliled
8,175 head，as againt 6,450 head the ，
previous weelk and $6,375^{\prime}$ head for the
coriesponding week last year．Quotations： corresponding week last year．Quotations：
Shipping Steers－Native Choice to prime， 814 to 815 ；fair to good，$\$ 11.75$ to
$\$ 12,25 ;$ plain， 810.75 to $811 ;$ very coarse \＄12．25；plain， 810.7 to si．2；very coarse Shipping Steers－Canadians－Choice to
prime，$\$ 11.75$ to $\$ 13.25$ ；fair to good， prime， 811.75 to $\$ 13.25$ ；fair to good，
$\$ 11.25$ to $\$ 11.60$ ；common and plain， $\$ 9.50$ to $\$ 10.25$ ．
Butchering Saters－Choice heavy best handy，$\$ 11$ to $\$ 11.75$ ；fair to good，
$\$ 10$ to $\$ 10.75 ;$ light and common， 88.50 to 89.50 ；yearlings，choiceto prime
to $\$ 13$ ；fair to good， 111.75 to $\$ 12$ ． to 13 ；iand Heifers－Best heavy heifers， $\$ 10$ to $\$ 111$ ，best butchering heifers，
$\$ 9$ to 89.50 ；fair butchering heifers，
 べ品品 best heavy fat cows，$\$ 8.50$ to $\$ 9.25 ;$
good butchering ${ }^{\text {cows，}} 87.50$ to $88 ;$
medium to fair，
s6．75 to 87.25 c cutters， medium to fair，$\$ 6.75$ to 87.25 ；cutters，
$\$ 0$ to $\$ 6.50 ;$ caneers，$\$ 4.25$ to 85.40 ，
Bulls．－Best heavy，$\$ 9$ to $\$ 9.50 ;$ good


 best stockers， 87.50
good，$\$ 6.50$ to 87.25.
in small lots $\$ 100.00$ to $\$ 14000$ to best Ioads， 885.00 to $\$ 100.00$ ；medium to fai in small lots， 875 to $\$ 85.00$ ；in car loads
$\$ 70.00$ to $\$ 80.00 ;$ common，$\$ 45$ to $\$ 55$ Hogs．－Prices showed a severe breal day，best hogs sold which was the high S18．85，and the general market fo York weight grades and the light mixed
kinds was from $\$ 18.25$ to $\$ 18.50$ ． had the market well under control the next few days and before the week was
out or on Friday，top hogs droppe $\$ 17.40$ and packers got Yorkers and light grades down to $\$ 17$ and $\$ 17.10$ ．Pigs on the opening day brought $\$ 17.25$ and
Friday they were down to $\$ 16$ ．Roughs Friday they were down to $\$ 11$ ．Roughs
were also hit hard dropping from $\$ 17.25$ For Monday down to $\$ 10$ on Mriday head，as against 17,373 head for the
week before and 38,600 head for the same week before and
week a year ago．
week y year ago． slow and draggy order last week and the result was that several loads had to be
carried over from day to day．The week carried over from day to day．The week
started with best lambs selling at $\$ 17.50$ and culls went from $\$ 15$ down，although seme throwouts that were brought ar
feding purposes reached up to $\$ 16$ and \＄16．50．Tuesday best lambs dropped to
17．25．Weddesta＇s $\$ 17.25$ ．Wednesday＇s range on best was
froin $\$ 17$ to $\$ 17.25$ and the next two days sow the best native lambs selling at
$\$ 16.75$ and $\$ 17$ ．Cull lambs th part of the week went from sis lawiter
sind Sheep were slow all week，wethers being wuote from $\$ 11$ down．Receipts the past week were 13,800 head，as against 13,411
head for the week previous and 18,000 head for the same week a year ago．
Calves．－Market occupid
Calves．－Market occupied an unfavor－
able position last week．At no time of
the week did best able position last week．At no time of
the week did best veals sell above sid，
he high days being Monday and Firday the high days being Monday and Friday
and the low day was Wednesday，when no sales could be made above $\$ 15.50$ ． Good handy．cull grades at no time of the
week could be placed much above $\$ 13.50$ and while Monday saw good heavy fat
calves selling up to $\$ 10.00$ and $\$ 10.50$ ， Thursday these kinds went at a range rom $\$ 7.25$ to 88.90 ．On Friday good
trass calves，kinds that sold the week be－ rore up to 88.50 ，were hard to land above
fate 36．50．For the week－receipts were 2,325 head，as compared with 2,174 for
the week before and 2,700 head for the the week before and 2
same week a year ago．

## Toionto Produce．

Live－stock receipts at Union Stock were 325 cars， 6,352 cattle， 334 caives， Butcher cattle，steady to 25 cents lower： cows，strong；bulls，steady；stocker and eeders，choice，steady；common 25 cents
 seventeen doliars．

## Breadetuffe

Wheat－Ontario，No，2，winter，new， per car lot， 52.22, basis；（according to
frights outside．）Manitoba wheat，in store Fort William－Including 2 c ．tax－ No． 1 northern， $82.231 / 2$ in $N$ No． 2 n
$\$ 2.201 / 3 ;$ No． 3 northern，$\$ 2.171 / 2$ ．
Oats．－（According to freights outside）
Ontario，No． 2 white， 63 c ，to $64 \mathrm{c}, \mathrm{No} .3$ white， 62 c．to
oats，No． 2 C．．W．，nominil．
ant．Manito． 633 cc．，（in store，Fort Wiltiam）．
Barley．－Malting， 51.16 to 81.18.
Barley：－Malting， 61.16 to 81.18.
Peas．－Acording to freights
Peas，－According to freights outside 3，nominal．
Ry．－No．2， 81.72.
Flour－MManitoba
Flour－Manitoba first patents，in jute hags， $\mathbf{\$ 1 1 , 5 0 ;}$ second patents，in jute bags，
$\$ 11$ ；strong bakers＇，in jute bags，$\$ 10.60$ ． Ontario winter，according to sample，
89.80 ，Montreal； 89,60 ，Toronto；in bags．

Hay and Millfeed．
Hay．－Track，Toronto，No．1，$\$ 12.50$ Straw．－Car lots，per ton， 87 to 87,50 ， Bran．－Per ton， 835.
Shorts－Per
Good feed flour，per bag，$\$ 3.25$ Hides and Wool
Prices delivered，Toronto：
City hides City butcher hides，green
flat，20c．；calf skins，green flat，23c．；veal
 81.50 to $\$ 2.25$ ；sheep，sking， 82.50 to $\$ 4$ ． cured， 180 to 190 ，deacens or ors，hat fat，
$\$ 1.50$ to $\$ 175$ each；horse hides
 No．I sheep，skins $\$ 2.50$ to $\$ 3.50$ ；horse
hair，farmers stock $\$ 25$ Tallow．City ，rendered，slits，in
barrels，13c．to 14 c ，country solids，in
barrels，No．1，12c．to 16 c ．cakes，No． 1，14c，to 16 c Wool．－Unwashed flece wool，as to
quality，fine， 60 ．coarse， 58 c ，washed
wool， 70 c．；coarse， 65.5 c Country Produce．

 Egg．FFoeshly，gathered eggs kept
stationary，selling as follows，wholesple， No．1，4．5c to to 48 c ．per dozent；selectss 49 C ．
per dozen in in cartons， 53 c ． per dozen；in cartons， 53 c ，per dozen；
new laid selling at 55 c ．per dozen． Poultry：－Poultry whth the exeeption
of fowl which declined slighty，kept about otationary in priee（live weight）spoing
shickens，19c．to 20c．per． lb ．；spring
 over 4 lbs．， 18 c ．per lb Cheese．－Cheses remained practically
stationary in price：Old chese selling
at 30 c ．per lh． new twins at $241 / \mathrm{cc}$ ．per 1 lb ．
Honey．－Honey is stil quite scarce， Honey．－Honey is still quite scarce，
and thereore，high price，selling as
followe，wholesale：Extracted 5 lb ，and
 Wer dozen．Fruits and Vegetables． A Apples．－Boxed apples from both rived freely during the past week con
siting of Jonathans，Mcintosid Reds and $\$ 8$ Bellitowers selling at．$\$ 2.75,82.50$ and ${ }^{32} 25$ per box．

## cantaloupes．－The home－grown

 reilly good ones－selling at soc． 50.0 cper
16 －qt．basket and 50 c ．to 65 c ．per
1t 16 qts．${ }^{\text {Grapes．－The grapes this year are }}$ generally of very poor quality－Green
ones selling at 123 c．to 20 c ．per 0 aqi
 ${ }^{6}$ queaches．－Peaches continued to come
 per 11－qt．lenos．kept practically stationary－Lombards elling practically
 81.25 per 11 qts．

Quinces alto sold at unchanged prices：
50 c ．to 60 c ．per $\theta$－qt．basket and 90 c ． to 11 per 11 gts ． Tonatoes had a wide range of prices，
as they varied greatly in quality，

sale at 75 c ．per bag．
Ceaven quite scarce
Camingtons selling at 82.75 per $75-1 \mathrm{~b}$ ． Reamingtons selling at 82.75 per $70-1 \mathrm{~b}$ ．
bag：Cailioninas at 83.50 pe
sack，and Spanishat $\$ 8.50$ to 85.75 per acke
case
Potatoes kept firm at $\$ 1.50$ to $\$ 1,60$ Turrips were a slow sale at $65 c$ ．per bag．

## Chicago．

Cattle．－Beeves，$\$ 6.75$ ，to sil．10；
Western sters，$\$ 5.90 . t$ 813．65，stocker
 ${ }^{816}$ Hogs．－Light， 314.50 to 816.30 ；niked， $\$ 14.90$ to $816.75 ;$ hevy， 81,85 to 816.60 ；
rough， 814.85 to $815.10 ;$ pigs， 810.50 to Sheep．－Lambs，native，$\$ 12.75$ to $\$ 18$ ．

Cheese Markets．
St．Hyacinthe，Que． 21 21／c，Corny all，



$201 / 2 \mathrm{c}$ ．For Montreal Produce Hee pase 2064．


Autumn.
There is something in the aut Touch of manner, hint of mood
And my heart is like or And my heart is like a rhyme,
With the yellow and the purple and the crimson keeping time
The scarlet of the maples cani shake men of bugles going b
And my lonely spirit thrills
To see the frosty asters like a smoke upon
the hills
There is something in October that sets
the sypsy blood astir: the gypsy blood astir;
Wher must ise and follow her
When from every hill of flame
She calls and calls each vagabond in

## Noted Women.

The Modern Amazons. Mr. William G. Shepherd, in the New
York Evening Sun, tells of visiting five of the wounded women fighters, of the
famous "Battalion of Death", in a
 Russian hospital. "What was the batte
like?" he asked one of them. She replied:
i.t "I was very neryous yust before the
charge. We knew the order was oming
and naturally we were ust and naturally we were just a little scared.
But as soon as the orders to to forward
came we forgot everything clse in the advance. II could hear our girls yeling and
shouting throughout the march formard.
None of us were afraid hone we got startd. We were in the midst of a great fusilide
of shots. Then terrific big shells began of shots. Then territict big shtels began
breaking all around us.
e. We were again frightened a litle whe "We were again frightened a litle when
we first saw dead men about, but before very long we were jumping over the dead,
and quickly forgot all about them.",
 anywhere," said a third girl in
the fina stages of the latule. "Commander Butchkareff was every
where, urging us to fight and die like reail where, urging us to fight and die like real
Russian soldiers.
Then the girl told how the legion to.

 They were terribly fright, enecd.

 We e. were simply Russa, highting ior her
life. Although these latest achievements
 new ening for for the liberty of the
daring things
country and the destruction of the tyran
 Treppoff, one of the worst of then, and
for the past forty years womucn have never been wanting where the question
of the sufferings oin Rushie thas been
under discusion. In order that they
 of the country they have Hocked to
the shools, and universition lud to day
the Womien's Battalion numbers many of the cleverest women of Russia. origin. Daily Telegraph at follows: a she has been christened by the men of
the reginent whyich se beloget, got
much of her wartike spli itit from her fer father

Turkish war and was left a cripple for life. Her mother was a hard-working woman,
with five children, of whom Yashka was the eldest, and she had to go out washing and cooking to earn enough to clothe and feed this flock.
At the age of five Yashka was sent out as At the age f five Yashka was sent out as
nurse to a baby of three. And fron that time she has never stopped working. She looks none the worse for it. Finely yet
strongly built with strongly built, with broad shoulders and
healthy complexion shocalift healthy complexion, she can lift 200 pound
with the greatest of ease. She has never known what fear is
Not long ago she remarked that during the last two years she had lived through so
much that there remained but one danger yet to experience, that of flying. Just as she was saying that an aviator came up
and offered to take lier for a fight, and and offered to take her for a tilight, and
befort the day was out she had ex-
hausted her list of perils. hausted her list of perils.
When she was sixten years old her parents she seized the fixteen years old oportunity of
getting her married. She did not know the gen, but luckily as time wore on they grew very fond of each other, and were very happy. At frrst they both served
in a shop, and thanks to their perseverance and frugality they were soon able to open a small shop of their own. But just as they began to prosper the war
broke out, and he wac oncof the fir to be called up.
She was very keen on accompansing him as asolder, but he begged her tostay behind and work for her parents, whom
they had been keeping. She was always ready for any daring
venturn and venture, and it was with great reluctance
that she stayed at lome in in conpliance
with her lustand'? wisl. Timie pasisill

|  |  |
| :---: | :---: |
| the had been killeal in ation on May | 'Sermans' suspicions were |
| 1915. At once she went to her |  |
|  | Commenting on the |
| c front, and you will either hear | Battalion the St. Ionnis |
| nor and |  |
| had no persuasions were of amy use |  |
| two years she has lised in the | history of new for posterity, will |
| she has |  |
| cee times in her arme | Regi |
| back. In the lake ) | Death"- -in the midst of an t |
|  |  |
|  |  |
| and lay down, too trightene | If the Butchkareff detachment |
| Then she rose up and dasher |  |
| calling on them to follow |  |

> two St. George's medals and two St George's crosses for various feats of she was legally admitted the two years Polozk Regiment
> She was presented to Mr. Kerensky for her bravery, and after hearing all her
experiences, the Minister of War asked what wish she would like to have granted. a woman's volunteer battalion, to form to lead men into battle if they will not go of themselves." The idea was approved by Kerensky, and, with the sanction of
the commander-in-chief, the battalion been formed
Although Mme. Butchkareff is probably the best-known woman fighter, says the t. Louis Post Dispatch, the first of the
frailer sex in Muscovy to take up arms and fight by the side of the male soldiers was Mme. Marfo Malko, the wife of a junior officer in the Russian Army. This
account says:
> the early castured by the Germans in prisoner as far of the war and is still a When war was declared Mme. Malko cut off her hair, donned a uniform, and
joined the Army. All the rigors and hard ships of the various battles and marche. In which she took part did not bother her identity was kept to herself.
> Then she was captured, toget her with
several hundred other Russians, several hundred other Russians, and sen
to a sanitation camp. All the prisonerto a sanitation camp. All the prisoner-
were forced to go through a disinfecting Station, first removing all their clothing When Mme Marko's turn came shi


Russian Women Wounded on the Eastern Front.
visited the barracks of the command in little blue-eyed sentry posted at the gate a blouse, short breeches, green forage-cap, womans ordinary black stockings, and was' Miss Mary Skrydlef. The sentry the former commander of daughter of Fleet and Minister of Marine. The most distinguished one of the oldest and most distinguished in Russia. the beds without bedding and dormitories, coats flung over them. In the courtyard eighteen and of good physique and most of them are and and refined in appearance. They wore their hair short or their heads entirely the direction were being drilled under Volynsky Regiment, a famous Russian military organization, and were marching in an exaggerated goose step.
Commander Vera Butchkareff that most of the recruits were from the higher educational academies and secondgirls, and schools, peasants, factory girls, and servants. Some married wo-
men were accepted, but none who had children. The commander said before the days rigid systenn of the army ing the days of the revolution, rejectgovernment. Having no time to inure the girls gradually to hardships, we impose apartan régime from the first. They seep on boards, without bed-clothes, thus
immediately eliminating the weak and those who require comforts. The small(st breach of discipline is punished with
immediate and dishonorable discharge ?Mediate and dishonorable discharge.
."The ordinary food of the soldier is lurnished ly the guards equipage corps.
Weariseat four and drill daily from five to ITe arise at four and drill dally from five to
dleven and from one to six. The girls carry Lhe cavalry carbine, which is five pounds
lighter than the eegulation infantry rifle.
lit ()n our first parade I requested those
whose motives were frivolous to step however, many who were unable to stand

## Hope's Quiet Hour

Worthy of Hire The laborer is worthy of his hire.

O the rare, sweet sense of living, when one's heart leaps to his labor,
lud the very joy of doing is life's richest, the poor-yea, poor in spirit-crave the purple of his neighbor.
(i,ive me iust the strength for serving, Our Lurd has pointed out the great difference bet ween a shepherd who is whose own the sheep are not. The idea threatens, does, not enter the mind of the good shepherd. But, when the
"hireling" sees a wolf coming, he thinks first of his own safety. The very name of "hireling" is unpleasant to our ears
siuce we read the parable of the Good siuce we read the parable of the Good one who is working only for his hire hireling shepherd in the parable cared nothing for the sheep. He was working only for pay-and, if the wolf killed him, the pay would be lost. Of course he None of us want to be "hirelings
THE FARMER'S ADVOCATE.
1665

October 25, 1917
who deserts his post in time of danger.
But we all want to be worthy of hire When our Lord sent out His apostle extra clothing, or money with then because, He said, the laborer is worthy
of his hire. Though they were volunteers of his hire. Though they enable paymen they might expect reasonable payment
for their services. St. Paul has also told us that, when a man is doing good work the reward he receives for it is not to be
considered a gift but a "debt"-Rom

Whether men pay just wages or not, God sees to it that we reap what we have
sown. Sin brings the wages sown. Sin brings the wages of misery
and spiritual death; righteousness receives the reward of joy and life. Those who
are not forced to work hard for daily bread feet it a great privilege to spend their these war-times. If they are worthy
in these the do not fail to receive it,
of hire they do though they may give away money
instead of heaping it up. They win instead of heaping it up. They win
happiness, and happiness is more valuable happiness, than wealth.
God warns masters against the injustice
of defranding their servants of the wages they have honestly earned,-is it likely
then, that He will deal unjustly with His then, that He will deal unjustly with His
willing and faithful servants? Wage must be paid when due; for the master
must answer to his divine Master must answer ho that useth bis
"We tuto him. that
neighbor's service without wages, and neighbor's service without, wages, and
giveth him not for his work." -Jer. $22: 13$ A man who is hired to work need not
be "an. hireling", in any base sense
"he "hireling" is working only for money The man who says "I won't do a stroke
of work more than I am paid for!" is of work more than I am paid for!" is
"an hireling"-and such a man is not
worthy of his hire. No one wants an employee who takes no interest in his
work. We all know people who are
and we all know people who put heart
into their work and try to really of Nazareth as He makes a wooden
cradle for a neighbor's baby or a rough plough for a farmer of Galilee. How glac
He is to be doing something useful, and how brightly he smiles as the day's
earnings are poured into His mother's lap. Jesus was worthy of hire- doing work
for the men who employed Him-and his touch has ennobled all honest work;
He was hired, but was never "an hireling He was hired, but was never "an hireling.'
He did, with whole-hearted willingness,
the work His hand found to do. If we the work His hand found to do. If we
are to be worthy of hire we must be glad to have the opportunity of service
There is a a ast variety of work to be done;
but it is the spirit in which it is done that matters most. (God calls some women
to nurse wounded soldiers in France, to nurse wounded soldiers in France,
and He calls other women to earn their
bread by "going out to service", as it is called.
We are all called to serve in the palace
of the King; and the remembrance of our Master's presence will fill every day with
gladness if we are serving Him faithfully. "The busy fingers Hy, the eyes may sce
Only the glancing needle which they hold,
But all my life doth blossom inwardly But all my life doth blossom inwardly
And every breath is like a litany
While gold,
is woven the sweet consciousiness of Thee." Some people complain-perhaps with
justice - that they are paid very poor
wages. If that is your position-if you wages. If that is your position-if you
are worth more to your employer than
he is paying vou tho te is paying you the gain is yours and
and he is ou are gaining in character giving faithful service and he is wilfully
defranding you of the money that should defranding you of the money that should
be yours by right,-and character is
worth more But, if you are being paid good wages and are wasting your employer's time
by idleness, then you are unworthy of
your bire your hire and are daily flinging away
charter for the sake of money--it profit you, when Death Worat can it grip on your lank-book,- to have pilled
up millimns of dollars, if you have sold
your higheat iclf for money? When a congregation accepts faithful ervice from a minister, without attempt-
ing to make him a reasonable return, the degradation and reasonable return,
thot his of honor are o be unjust; for, even in this world,
onest dealing pays best in the end.


#### Abstract

 and drive for miles in the teeth of a raging blizzard. He may have saved your life, or the life of one very dear to you; and you may not be even trying to pay the money you owe him. If that is the case then yours is the shame and loss. Was the doctor "an hireling" when he fought death for you and yours? Was he thinking Of his pay, or of the joy of saving a life? If he was doing good work he could not have been thinking first of the amount The other day I heard someone say that a large proportion of the army nurses went overseas for the sake of the money they would get for their work. Of course we cant look into their hearts; but I feel sire the great majority of those devoted women care more for the opportunity of splendid service than for pecuniary profit. They shoutd le well paid for their exhausting and dangerous work-the country would be disgraced if not-but no nurse worthy of the name puts self-interest first and her patient's puts self-interest first and her patient's welfare second. A cynical coll in his museum a Chinese god labelled "Heathen idol"," and next to it a gold coin marked "Christian idol." In these days, when thousands of men and women are giving time and strength and money even life itself-for the sake of others, we should feel ashamed to join the ranks, the disgraceful worshippers of "the almighty dollar."

Mary Rogers was stewarde tella, which was wrecked in 1899. She served out lifebelts to the women and for herself. Then, as the ship was unprovided with a belt. Without a word she unfastened her own belt and clasped round the passenger s waist. last boat to leave the ship urged the stewardess to jump in. "No," she said, "If I get in the boat will go, down. It is too full already." The had sherved so loyally, saying: "Lord ave me!"' and went down with the ship. Even "an hireling," can do pretty fair work when all is plain sailing. The test of a worker is difficulty and danger One who is worthy of his hire is not thinking chiefly of the wages he is earning, futly as the servant of Christ. "Thank God for the willing hands That are honest, and brave, and true That lie not folded, but labor hard To do what there is to do."

> he Needy.

A dollar from M. B. P.-one of our Quebec readers-was dropped into the Quiet Hour purse yesterday. Its stay here was very short for in a few stay it went out to help a poor widow with HOPE.

\section*{Han ©}


a man

TheBeaverCircle
A Hallowe'en Party for Boys and Girls
liaye Jones gave a party on Hallowe'en
ast year. Perhaps you would like to
hear about it. And perhaps you would
like to give one something the same for
First she made up a lot of invitation
hymes, and wrote them out very neatly
thymes, and wrote them out very neatly
on pretty yellow note paper. One of
the rhymes was this:
'Come to my bogey party,
Just about at eight
(In the night of Hallowe'en;
Be sure you don't be late.
On the night of tare you don't he late.
Be sure
And dress up like a bogey.
Please do this for me,
up against a card on which was written
the name of the girl or boy who was to sit at that place, and so there was no
confusion in getting the table filled After supper, Nora Tilley, who knows
plenty of fairy and witch, stories told penty of fairy and witch stories told
one of them, and then all went home
feeling that a very pleasant feeling that a very" pleasant evening had
been spent.

## (2)

Thomas Cat.
That was why a!l the girls and boys
ame "dressed up", some like witches,
others like ghosts, and others like "just bogeys" with cloth" tied over
their heads with holes cut for mouths
and eyes. All who did not wear these
bogey faces wore short black masques that came down as far as the mouth,
with holes for the eyes, and part of the fun was in guessing who each was. As
everybody changed his or her voice,
and talked in squeaks or growls, this Was not so easy to do. was just the old
One of the games wadesief only a loose flying bogey made of white cotton
made into a loose floppy doll, was used made into a loose floppy sot was "Catch he bogey!'
But every boy and girl knows plenty of ghes to play, lunch-time came all were on show what nice mothers they had by
having nice "manners". Lunch time does show bad manners to sho "Please",
cloesn't it? No one forgot to say
and "Thank you", and not a loy helped himself from any dish until the girl
next to him had been served. by a bogey that Faye had made, with
a body of potato, carrot or turnip; legs of tooth-picks stuck into a peanut for
shoes; arms of toothpicks with raisins or potato, with cloves stuck in for eyes
and mouth. Each bogey was propped

- $\begin{aligned} & \text { AVE you heard that "Uncle Sam"" } \\ & \text { (I am sure you know what is } \\ & \text { meant by "Vncle Sam) is to have }\end{aligned}$

The soldiers in this army will all supply all grow right on them, so that will not one of the soldiers in this army will volunteer; they are cven likely to be a
good deal puzzied about it all; but they are expected to be very grod and faith Not one of them can speak a word of
French-nor a word of English for that matter-yet they understand English mery well, and have a speech of their own which they use with one another.
Now, I wonder if you have guessed by this time, that Uncle Sam's new army that, for logs are of murch more use in this war than horses. Beng so muuh
more like human beings they can understand more, and can be trained to do many useful things.
Since the and French and German dogs have been and French and German dogs have been
doing this work, and many of them wear medals for "signal bravery". So valued are they, too; that a dog hospital has
been founded in Paris, with nurses and
dog-doctors who look after the wousded oUncle Sam's dog army will be made up it been thought to have them that bill for the training of the dogs has been introduced into Congress
by the Secretary of war Many dog-ow:ers all over the United States are sending the finest and wisest will be all sor won prizes at the fairs to strong bi huskies from Alaska. Indeed a team of huskies from the Hudson Bay is ready to
start atonce startatonce
The Germans were the first to use
dogs in the war; when their army was dogs in the war; when their army was
mobilized in July 1914, eight dogs were included. Now there are many
thousands among the armies in Europe, and so quick at learning are they that and so quick at learning are they that They haul provisions over the
They haul provisions over the snowy wounded men. Also they search for wounded men, paying no attention
all to dead soldiers, but barking all to dead soldiers, but barking furiously when they find a living one, so that
stretcher-bearers and an army surgeon may come. Then there are patrol dogs, who go out over "no man's land" scouting for the enemy.
bark. When they scent an enemy patro they bristle and stand at attention i their masters are near, or race back to "tell the news." Occasionally, too, the
dog will spring on a man and hold him down until help arrives.
The dogs trained to carry important papers are very trustworthy. When al can often get through, and, as someone
has said, "once started on his mission nothing can stop or delay this, true-as steel little messenger, save death you give them half a chance. The kinder you are to them, and the more you talk to them, the more clever they
become, until really they seem to urder stand almost everything you say. I am sure we all wish good luck to Uncle Sam's new army. After a while
quite likely, you will see them and thei quite in the " movies.

## The Girl's Greed

1. I believe that I have a right to be happy every day 2. 1 believe that God's blue sky and God's green earth are a part of my inheritance. I believe that I have a right to
2. 

little chickens and ducks and lambs and puppies, as well as dolls and ribons 4. I believe these things as well of these things as well as my brother
who does not love them as much as
keep house better than anything else,
and I only wish they taught house.
6. I believe that keeping a garden "all my own" would be gre and in giving away the flowers and in cooking the vegetables that I raised myself. hard at my grammar and geography and arithmetic and spelling if could
do cooking or sewing with the othel girls in the afternoon. 8 go to town and lave my father and mother and my for I know I should miss them all, and the trees and the creek and the garden
grass and the old woods and everything: but I want to do something more than washing dishes and carrying wat
want to learn everything I can. want to learn everything I can.
9. I believe I can learn to sew and cook and do laundry-work and do them well. And I want to learn then
and I want to do them well. 10. I believe in the square deal for girls as well as for boys, and I want everyborly to be happy all the time-the
old as well as the young.-Woman's

Little Bits of Fun
The Frenchman did not like the look of he barking dog barring his way. "It's all right", said his host, "don't you know'
don't bite'
"Ah, yes," said the Frenchman, " Know ze proverbe, you known ze proverbe; Wasn't She Right?-The lesson in
natural history had been about the
rhinoceros, and the teacher wanted to
knowhow well thelessonhad been learned.
"Now, name something," she said,
"that is very dangerous to get near to,
and that has horns."
"I know, teacher, I know!" called
little Annie Jones." "Well, Annie, what is it?"
"An automobile."

Dear Puck and Beaver-Well it it
 I suppose all of you are glad summer is.
here and that we are at the harvest.
 hiun Ited and twent-five acress. there
hin prite a lot of work on it. We ofter is quite a lot of wortirive on itress te ofter go out nunting in the bush which is not
far. from our place There are alot of tar from our place. There are a lot or
big birstion our bush. I made a collection
 insects I got sixty-five kinds of egss
hifty kinds of wood twenty of seeds, and hifty kinds or wood, twenty or seeds, and get. Well I think I will close with If the Kaiser and his son went up
tree what kind of fruit would they be? tree what kind of fir

## I remain

rank Raleigh
R. R. No. 3, Mitchell, Ont.
Hoping some Beaver will write ine

Junior Beavers' Letter Box Dear Puck and Beavers.-This is my
 is situated on the Goderich road two
and one-half
miles from Port Elgin. 1 have four sisters but no brothers nest of six little rabbits. A few days later we found the mother lying dead. Later we went to the nest we found four
dead from staryation. The other dead from starvation. The other two
we took to the house and fed with a spoon we took the the house and red with a spoon
until they would drink milk from a saucer. Later we fed them on tender alfalfa and other green food, but there was nothing they liked better than a
pieee of sweet cake which they would piece of sweet cake which they would
eat frem our hands. We named them Betty and Billy. One day one of the
horses stepped on Betty and killed it. horses stepped on Betty and killed it.
When the warm days came and we were allowed to run on our bare feet Billy
used to surprise us by putting his cold nose on our bare legs. He would not let us touch him but would eat out of our hand any time. He lived to be two yext year we had another little one for it and was never such a pet as the other one. Well I guess it is time to say good-
bye to the Circle until another time. Your sincere friend
. No. 3, Port Elgin, Bellie Muir. This is a very nice letter for a little
nine-year-old girlie.-P. Honor Roll: Mildred Holden, Beulah Forster, Alma Colborne, Rosanna Lucas, Gregory Rawlings, Carl Lancaster.

Beaver Circle Notes.
Mildred Holden-a Junior Beaver-
Paquette, Ont., wishes Beavers to write

## Riddles.

Why is a tin can tied to a dog's tail
like the end of the world? Ans.-Belike the end of the world? Ans- Be-
cause it is bound to a cur (bound to occur).-Gregory Rawlings, Petrolia, Ont
Why is the letter B like fire? Ans. Because it makes oil boil.
What are girls hired in watch factories
for? Ans.-To make faces.-Alma Co or? Ans--To make faces.-Alma Col-
borne, Brigden, Ont. If a man has sixty patches on his
trousers what is the time? Ans.-Time to get a new pair.

## Ont

When I was crossing London bridge whom did I meet but old rusticue, with
pins and needles in his back. What was pins and needies in his back. What was
his name? Ans.-A A porcupine. (wouldn't -Carl Lancaster, R. 1, Bronson, Ont


A Brave Doggie.
This 1 litle French dog "Poupouille". during his
two year at the ront has been wounded
twice that of a regular French soldier, showing
the lentetor or itservice in int anmy.
International Film Service.

## The Ingle Nook.

## 





## Hallowe'en

Mollows., Oxford Co., Ont., writes as through your valuable column, how to spend the evening at a Hallowe'en party
as we would like to get up one, to raise money for our boys at the front."
Delighted to do anything in the world Delighted to do anything in the world
to help make money for "our boys at the Why not try a Bats, Cats and Hats Party. It is managed somewhat as
follows, although you may introduce any original ideat that strikes you. Send out invitation carks, with a smal black cat or a pumpkin painted or afternoon of the party have a committee of girls assemble to make a collection
of materials for a hat-trimming contest -black glazed cambric, orange cambric or crinkle paper, green crinkle paper,
light feathers or batting for stuffing, light hats to te te trimmed, also real carrots, beets, onions corncobs, grain, etc., which
are to be used, the vegetables whole,
ar As the guests arrive large. gate some one who is concealed hoots like an owl.
Hall-way up the walk a sheeted ghost Half-way up the walk a sheeted ghost
appears, and points in ghostly fashion to the house, which appears quite un lanterns, made of pumpkins, each side of the door.
As the guests reach the door, and before they have time to knock, the door
slowly opens, where the whole house is seen opens, where time whote house
candles with green shated with
shades and more pumpkin jack o' lanterns. Inside another sheeted ghost takes the money and
points up the stairway or towards the room elsewhere in which wraps are to
be left, and upstairs a third ghost directs the women and girls to their room and the men to theirs.
Downstairs the
mittee, in the rooms where the ceming in mittee, in the rooms where the fun is to
go on, may be ghosts or witches with
tall pointed caps and brooms or staves

- perhaps it is better to have them witches, as then they can talk.
All the old-fashioned Hallowe'en games, and any new ones preferred may now be brought on, and last of all, just before lunch is served, the hat-trimming contest.
All must compete, boys and girls, men All must compete, boys and girls, men
and women. Leave each to his. or her and women. Leave each to his. or her ingenuity indicrous, or pretty, or becoming. Some may be made to represent pumpkins, another may have a stuffed black cat on top, yet another may represent a large
bat, while others may be trimmed with grain or fruit or vegetables in any way
liked or and coarse thread must be supplied, also some old hat-wire, and several
pairs of stout scissors. A prize may be pairs of stout scissors. A prize may be
given for the prettiest hat, and another for the most ludicrous. The hats must be worn during luncheon.
The rooms for such a party as this
should be prettily decorated with festoons of grain, grapes and autumn leaves, and small pumpkins and red apples to give color. Also in one corner, made into a mysterious looking booth, there should
be the inevitable fortune-telling witch be the inevitable fortune-teling witch
or gypsy, who charges five or ten cents
for telling fortunes from the hand or In the dines.
Ining-room a witch made of large bottle dressed in full skirt shawl and peaked cap, may be used as a may be placed, ready, on the table, and at a smaller table, someone may pour
tea. Much confusion will be saved, in such a large assemblage as this is hoped
to be, if plates are not used. Simply

have the waiters carry the cups of tea
to the guests, then the plates of cake to the guests, then the plates of cake,
etc., from which pieces are taken and placed on the saucer beside the cup. cities now, and it has much to recommend it. Of course the sandwiches, cake, etc., must be cut small enough to rest on aucer, the cup being put on Instead of having the lunch served this way, one room may be made into a with tables or large packing boxes, all prettily decorated with autumn things. Here people may choose what they want
to eat, but must buy everything separately to at, very good way to make money. In this case the fee at the door should be first case it may be 25 cents. If the cafeteria plan is adopted many things may be sold-cider, baked beans, pumpwiches, apple pie, ice-cream, cheese, doughnuts, cake -but people, unless the place is very large and seats and small ables with chairs can be provided in this case it is well to have plenty of Crays upon which each may carry what
he or she chooses to a table. This room, of course, must be well lighted, glaring black and white which may be as foolish as desired, may be placed above "Do not eat the hole in the doughnut
" Do not eat the hole in the doughnut."
No flirting with the salesgirls allowed. Have you had your fortune told?" Another idea for the luncheon party
to make a sort of box social of it. In is to make a sort of box social of it. In
this case the usual way of each girl
the men instead of bidding on the boxes are required to bid on the "lady'sshades" which has a sheet suspendened room Behind the sheet is a lamp across it. go in turn between the sheet and the lamp, and the men bid on the shadows, a part of the evening which is likely to be productive of fast and furious fun, Hallowe'en.

Some Hallowe'en Games from 2 to 12 lines long, on something poems aloud, and take votes for the the giving a prize which may be a box of 2. Have a ghost dance, sheeted ghosts being required to execute a step-dance 3. Fill a clothes-basket with ears of corn, and let the guests be blindfolded in ear denotes prosperity for a fwelveme futh a thin one, no luck at all; a short one a gift; a tasseled ear, great joy; a red one,
love.
4. Have an immense pumpkin made of yellow cambric put around a barrel
and stuffed, between the cotton and the barrel, with straw, to make it bulfe Fill the pumpkin with tiny packages, each containing a gift, tied so as to have
some loops of string. Have a short rod with line and hook, and let the guests fish for the packages, which may conticulous-an all-day-sucker sensible or package of safety pins, 2 spools of thread, a pair of suspenders, a tiny scissors, a with a piece of sage advice written paper tucked inside. But one's own ingenuity will suggest many others This may be made a money-making
affair by charging ten cents a "fish".

## Plant Queries.

Dear Junia.-Will some kind reader nswer the following questions: which seem to be growing all right. Do hey require rest the same as old plan $r$. should they be kept growing through his winter? Have a large Hydrangea hortensis
which I cut down in September. Which is the better plan: to keep it growing or set away in a cellar during the winter?
Thanking you for all the helpful hints we get through the Farmer's Advocate,
Shell. Co., N. S. SUBSCRIBER'S WIFE.
Prof. Bailey says of Gloxinias: "After Mowering the leaves begin to mature
when water should be gradually withheld As soon as the leaves have all ripened off,
the pots should be stored away for the winter, in a temperature of about 45 degrees, giving just enough water to
keep the tubes from shrivelling. Towards the middle of February they will show signs of starting new growth, and a hould those which seem most active remainder should be held back another month; this will give a much longer period, of blossoming
He says also of the Hydrangea hortensis He says also of the Hydrangea hortensie frost the plants should be removed to frost-proof cellar and kept rathe dry until spring, when they should be repotted in new soil and the growth of
the last year cut back to 1 or 2 pairs of buds.

The Worn Doorstep
M. B. P., Que., writes me, that since my screed on "scrap-books", she has
three on the way. She concludes: "Have you read The Worn Doorstep, by
story."
No, that is a pleasure to come. The
book was recommended from the pulpit

f a church here. It is pleasant to hear from you about books

- when the choice is good.


## Falling Hair.

For "Country Girl", Oxford Co., Ont.
Massage your scalp with your fingers Massage your scalp with your fingers
everynight, and apply a good hair tonic to the scalp, rubbing it in well. Hair must
be kept clean to be healthy. It should be kept clean to be healthy. It should
be washed at least once a month. Use tepid soft water and a good, mild soap, rinsing it out well and drying quickly
by shaking and fanning it. This treatment should i
from falling.

Mountain Ash Berry Jam. Some weeks ago someone asked me if
am could be made from mountain ash am could berries. Since then I have heard that jam can be made of these by boiling them, putting through a colander and
adding sugar for the re-boiling, as usual. The jam is said to be some
like that from bitter oranges.

## While Grapes Are In

Grape Catsup.- Wash and stem the
apes. Heat them very slowly and when grapes. Heat them very slowly and when
soft put through a colander. Return to soft put thrugh a colander. Return
the kettle, and for every 5 lbs. of grapes, weighed before cooking, add 3 lbs sugar, 2 cups vinegar, 1 teaspoon each or black
 Grape them separate. Put the pulp in a kettle with 1 cup water. When
soft put through a colander. Add the soft put through a colander. Add the
sking to them (some put the skins through skins to them (some put the skins through
a chopper) and weigh. To each pound a chopper) and weigh. To each pound
add 3 / 1 b. sugar and enough water to
keep from burning. Cook slowly keep from burning. Cook slowly ${ }^{3}$
hour. A delicious jam. If the grape
are not too ripe they thicken better. Grape Jelly.-Use grapes that are rain thro and to each pint allow 2 cups sugar.
Heat the juice in a kettle, boiling rapidly foat the juice in a kettle, boiling rapidy which has been heated in the oven, stirring until dissolved. When it comes
to a boil take off and fill the glasses, which have been dipped in hot water Spiced Grapes.-Spiced grapes, to use little vinegar and spices to either grape Gam or jelly. them, separate pulps, then soften over
the fire and put through a colander to
remove seeds, Add the skins to the remove seeds. Add the skins to the pulp. Line a deep pie-plate with good
pastry, put in the grapes and sprinkle with sugar to sweeten. Put on the top
crust; cut slits across the top and fold back to have an open square in the middle
While the pie is baking make a sauce of butter, sugar and a teaspoonful of boiling water. Stir well over the hot water and
flavor with lemon, cinnamon or nutmeg.
When the pie is, nearly done pour the When the pie is nearly done pour the
sauce in the hole in the top and finish
baking. Serve very hot.

## The Scrap Bag

Fall spading or ploughing helps to
kill the white grub, as exposure is fatal

Endive roots may now be dug up and stored in sand for winter forcing. Green
salads in winter help to keep good health. Dig up some parsley roots and plant
them in pots. They look pretty in the
kitchen window and provide a garnish when needed. Plant rhubarb roots and mulch with
dressing of strawy manure. Rhubarb may be forced for winter pies in a light
cellar. Leave some parsnips, salsify and arti-
chokes in the ground for use in early
spring

Dig up canna, dahlia and caladium
bulbs, dry them off, remove the frozen Put protective material, leaves, straw Put protective material, leaves, straw
or loose, strawy manure, over tender
roots. Put brush over to keep the leaves
down.

Geraniums for the garden will keep
until spring in a cool cellar, if taken up and hung up by the roots. Or they
may be cut back somewhat and potted
Roots of plants for next year may place in the garden if necessary. SomeThe iris, in particular, needs dividing

## Start Bulbs

Procure paper narcissus bulbs and stones a glass dish of water, with smal place. Keep in the dark for a few day then bring to the light. They will grow quickly and bloom splendidly. By start
ing them at intervals of 2 weeks a suc cession of bloom may be kept up with no more trouble thán to add a little warm water from time to time. Freesias also may be grown, preferably in soil, withou
putting them away for root development The other bulbs, hyacinths, tulips, daffodils, jonquils, crocus, lily of the
valley need to be left growing in the dark in the cellar, or buried outside in the yard, from 6 to 8 weeks, to develop
roots. If brought up too soon they fail to flower properly. Among the prettiest
vessels for flowering bulbs are those of dull green, blue or yellow pottery.

Flowers for Winter
A country home can rarely indulge in
costly palms and similar decorations for the winter. It is not necessary, because a few fresh bouquets of Christmas roses barberries and your evergreen mahonia and your hemlock hedge will carry you
well into midwinter. Our best prepara tion for the white months is to dig a few of our common May-flowering shrubs in November, place them in a cool cellar and then, as needed, bring into the house It is not necessary that these shall have
anything more than simple boxes to hold anything more than simple boxes to hold or family room. After three or four
weeks of waiting in a sunny window weeks of waiting in a sunny window
they will burst out into bloom quite as gloriously as in May when deine doors. are the common lilacs, some of the spireas, the mock oranges, deutzias, and the Judas tree. About three weeks before
you desire bloom, bring a plant, wellboxed and watered, into a warm, light room. Keep it well watered andoccasionalbuds will soon begin to show themselves. I have lilacs in mid-winter that perfume
the whole house. The yellow-flowered ribes, or native currant, is specially good for our purpose.
boxes the fowers have decayed, set the spring into the ground. It will in the year of recuperation before they will again be strong enough to make flower Of course we have to select small bushes,
and this is our chief trouble. Lilac bushes and this is our chief trouble. Lilac bushes are generally too large, or else mere
suckers, but a row of these can be had in preparation along the side of your garden. It is not quite easy to de-
termine flower buds from leaf buds on the ilac, but as a rule flowe are much shrubs, be sure to dig one or two clumps of hemerocallis fulva, or yellow day lily.
This plant is peculiarly good for forcing. This plant is peculiarly good for forcing. lemon-yellow flowers during a full month or six weeks. I have had over eighty, flowers in succession, upon a single bo, "
E. P. Powell, in "The Country Home."

Little Sydney had reached the mature age of three and was about to discard petticoats for the more manly raiment of
knickerbockers. The mother had deknickerbockers. The mother had de-
termined to make the occasion a memorable one. The breakfast-table was laden with good things when the newly breeched infant was led into the room
"Ah! exclaimed the proud mother,
Sydney was in ecstasies. Displaying his garments to their full advantage, he edged close to his mother and whispered
"Can I call pa Bill now?"-Philadephia
Public Ledger.

The Dollar Chain
For the soldiers and sufferers because Contributions from Oct. 12 to Oct. 19:
"Toronto," $\$ 2$ : "A Friend," $\$ 5$; "One

## Previously acknowledged $\quad \ldots \quad \$ 4,939.30$

 Total to Oct 19th $\quad \overline{\$ 4,951.30}$ Kindly address contributions to "TheFarmer's Advocate and Home Magazine,"
London, Ont London, Ont

From an Artillery Laddie. iThis letter, from Corp. Dan McArthur
to his brother, will also be read with much interest:' Corp. McArthur, who is with one of the Batteries in France, is the
nineteen-year-old son of Mr. Peter McArthur.] 35 th Battery C. F. A., France,

## Dear McKellar:-

., France,
$30,8,1917$.
Which are still in the same billets from a change from then! For three days we pour, but half-an-hour of shuous down-half-an-hour of sunshine, so that you can never be sure just what is going to happen,
I wish you could see our horse-lines, a sea of mud would not do it justice; it is more whole brigade has its horse lines in a field, which was hard and dry when we came here. The road runs along one side and a
small creek on the other from which we water our horses. other from which we water our horses. The horses are picguns and limbers. Each subsection (one gun) has its own lines, about twelve
horses on each side of the rope. We horses on each side of the rope. We
have a pump and troughs made of iron have a pump and troughs made of iron the oats in the feed-bags. So far so good When wet ground is of a fine, chalky clay. When wet it keeps the rain from soaking the place. Where the horses churn it up it is a foot deep; we have to shovel it out
behind them in heaps. The horses thembehind them in heaps. The horses themselves are plastered with mud, and so are
the men. In order to get it out of our clothes we have to use a steel brush that and puttees get into an awful mess; thank heaven I have a pair of high boots. I had an extra sole put on them before coming my feet. have been as dry as bone, which is one of the greatest comforts
one can have. Even if you are cold and wet it does not seem so bad when your feet are dry. So I just slither and slop
around as if there were no mud at all When we go up to our billet it.takes ten minutes of brushing, standing in the creek to get the mud" off, it is so sticky.
The French call it "boue"-"beaucoup de The French call it "boue"- -"beaucoup de
boue ici!" I have been in two billets since we came here. Our first was in a barn, very handy to another battery, so we had to vacate, The people there were very decent to us; soldiers and gave us lessons in pronunciation, which is what catches us most. For instance I was telling him that we had been in England one year-"un an""one mule". Most of them talk so fast in the same tone all the time, that you can't make head or tail of what they are driving at. I can make myself understood pretty well, and am
my vocabulary all the time.
Our present billet is a medium-sized room in a cottage owned by an old couple. They didn't want us at first on accoun of some Australians having raised a row
here at some previous date. However, I answered them that we were "trè docile" and would not disturb them There are fifteen of us in the room. but we are comfortable enough. Thes stead of flower gardens or lawns they pre fer a big, juicy manure pile in front o the door. The aroma is "très deliceuse" after you acquire the taste. Our room
is situated on the "bord du lac" so that is situated on the "bord du lac" so that door if so inclined. There is a beautiful rock well here-thank God, it's about a hundred feet deep! Our grub is cooked
that we are used to the mud and the The Major, Lieut. Banallick and all the The Major, Lieut. Banallick and all the
Sergeants (including Harry) have gone up to the line for a few days to prepare the way for the battery. We expect to
move up shortly. It must be some mess move up shortly. It must be some mess People who spout about muddy here. soldiers marching gaily into battle" should come and do a two-step through our horse lines!
Love to all

## Current Events.

Toronto's contribution in the recent
Red Cross campaign amounted to 8823 . 974. The school children collected
$\$ 22,000$.

Premier Murray, of Nova Scotia, has
eclined to enter the Union Government Hon. J. D. Hazen is to be appointed mission at Washington.

On Oct. 17th a test train went safely over the new bridge across the St. Law-
rence near Quebec, the longest bridge in he wor

On Oct, 19th the American transport "Antilles," homeward bound, was tor167 saved

During the week 11 German airplanes
were brought down by French flyers.
Over 14,000 cattle and hogs perished in the big stock-yards fire in Kansas city

A Petrograd despatch says that Gen. Korniloff has been acquitted of the charge Government.
Gabriele D'Annunzio, the Italian poet, who is an aviator, has

There is a great shortage in the grain

> "Mata-Hari," a Dutch dancer whose real name was Marguerite Gertrude
Macleod, was shot in Paris last week for espionage.
At midnight of Oct. 20th, 7 German Coppelins raded the east and northeas bombs. On their return to France 4 were brought down. Reprisals for the many airraids on England seemto have begun. During the week the British airplanes dropped
bombs on a factory near Saarsbrucken 40 miles from the German. frontier -Bombs were also dropped on the canal and waterworks at Bruges.
No event of especial importance has
been reported from the Western been reported from the Western front
during the week. Sharp artillery duels and air-fights continue as usual
The news from Russia is anything but reassuring. With the taking of Oesel and Moon Islands in the Baltic the Gering position over the Gulf of Riga, and it is reported that the Russians are evacuating the fortified town of Reval and
preparing to move the Government from preparing to move the Government from
Petrograd to Moscow. Twenty of the Russian vessels, however, Twenty of the of the Gulf and have secured harborage in the Gulf of Finland. Notwithstanding Kerensky's impassioned appeals, the Russian fleet farled to do its duty in op section of it going out to battle. Needles to say the result. was disastrous, and the battleship "Slava" was lost. Anarchy, indeed, seems to be rife almost every
where in Russia; the unlettered peasant in many places, understanding nothin of the war and intent only on their own affairs, are busying themselves with razing the manor houses, leaving the country
to take care of itself. Evidently the policy of centuries of misgovernment in which the mass of the people were prac tically compelled to live in ignorance, un able either to read or write, cannot be

# Why Canada Must Give Credit to Great Britain 

Great Britain is the Canadian farmer's best market to-day. Not only must the people of Britain be fed, but also the millions of fighting men, among whom are our own boys.

But Great Britain must buy all her supplies on credit. She can no longer send her money out of Great Britain. She must use her credit abroad and buy where she can get credit.

Canada in her own interest must give credit to Great Britain in order that Great Britain may be enabled to continue to purchase Canada's agricultural and other products.

In other words Canada must lend Great Britain the cash with which to pay Canadian farmers and other producers.

Then where does Canada get the cash? Outside finan-
cial markets are closed. Canada will get this cash by selling Canada's Victory Bonds.

So the Canadian farmer has a three-fold reason for buying Canada's Victory Bonds.

It is good business for him, because it keeps open his market.

It is patriotic because it enables him to help in maintaining production in Canada through which our fighting men will be supplied with Canadian produce.

And lastly because the investment is absolutely safe and the interest rate is most attractive.

Get ready to buy in November, Canada's Victory Bonds

OCTOBER 25, 1917
Aminta's. Housekeeping. by marribt whitivey symonds. When Aminta Vine made a dismal Wheo A Cranberry Creek school, the sympathies of Avoca Valley were strongly.
with Aminta's elder sister, Miss Dorinda. It was an Avoca Valley habit to point out Miss Dorinda Vine as something of
a paragon; her housekeping was a mat-
of record: her energy and management had kept the old home place at the clge of town in thrifty condition; the
small mortgage which old Adam Vine had put upon it was still there, but had
been held in check, and even begun, unbeen held Dreck,' $\begin{aligned} & \text { de. Miss Dorindanistration, to } \\ & \text { difinink materially. If Aminta had' but }\end{aligned}$ def ink materially. If Aminta had, but
sequalled Dorinda, said everybody, the mortgage
the past.
the past. Valley was not given to wasting sympathy upon Aminta in her deuniversal opinion, Aminta never put her mind upon anything worth while. Thrift
and self-denial had been required on and seif-denial had been required on
Mis. Dorinda's part, to educate hersister
竍 lor a teacher, and the girl had rebelled
against $I \mathrm{If}$ from the start; she had a turn for fancy work, and she wanted to have
a little store and sell her own work and a little store and sell her own work and
other knick-knack, and hotly had she
oleaded with her sister to let her make the pleaded with her sister to let her make the
venture, Such a scheme appearing altogether empty and yain in Miss Dorinda's eyes, it was abandoned, and the school
project pressed forward project pressed forward with edispatch.
Aminta took her school course, received her-dioloma, and, through Squire Love-
day's influence, was provided with school day's infuence, was provided with school
after school, only to lose them, the cause after school, only to lose them, the cause
being placed by her employers upon the,
 Aminta's uluitimate success was frosted, when word of her latest defeat reached him, "for you too stew your brains and
wear holes in your shoes hunting up any wear holes in your shoes hunting up any
more situations for the, girl; there is absomore situations to her."
lutely nothing think that,
"Why I don't like to think that Mother, the Squire protested. "She
certainly does make a mess of the teachcer tainly does make a mess of the teach-
ing business, but maybe she might be good at something else: she was always a
bright appearing girl." bright appearing girl." ${ }^{\text {An gitas head is }}$ bright appearing," re-
is "A glass head is bright appearing, re-
turned his mother, sagely, "but isn' of
much value. much value. She isnt a money eearner,
and she isnt even a help to Dorinda with the housework; why, if she starts to 'sweep
a room. Dorinda says, and the cat'sasleep a room, Dorind a says, ald the cat sasileep,
on the hearth, Amintall sweep around her, rather than rout her up." like a boy.
Squire Evan laughed like "Wellin 1 suppose that is't good house-
keeping, but it shows she has a kind
"Oh, yes, Minta always was a tender-
hearted little thing," Mrs. Loveday adhearted little thing," Mrs. Loveday ad-
mitted, justly, "and as affectionate as a mitted, justly, "and as affectionate as a
lamb. I haven't any doubt she let the lamb. I haven't any doubt she why she
chirdren run over her- that'shots
couldn't manage any of the schools she's couldn't manage any of the schools she's
hadd; but it comes hard on Dorinda. I tell you, Evan, there's a manager, and she'll contrive to pay of that mortgage
yet, single handed I I never felt uneasy
 "and shouldn't, if she were not to pay it
at all. I'd gladly hand her over the papers to-morrow, or burn them; but she "No, indeed; she'd insist on paying it
sooner or later. But Evan," the ol sooner or later. But Evan," the' otd
lady, who had been tranquilly darning
stocking then stocking, began to ply her needie more
rapidy, to hide a bit of embarrassment,
UTwe the "'re thought often of a fine way you
could get rid of that whole business of the mortgage, and it'd be a benefit all around. You're getting on a bit, my
boy; I'm reckoning you'll be forty your
 since Effie died. I'm not saying but that I'm plenty able to keep house for you
for years to come; still, it looks to me
like like it wouldn't be more"than wise for
you to be picking out some one to step in, sometody that woutld know how to
keep house and take care of things. keep house and take care of things.
Hannat's a tip-top hand to turn out
work hut work, but she cant plan worth a cent,
and every time she has to go over the and every time she has to go over the
ridge to look after her mother I find it
harder to get on with the work. It harder to get on with the work. It
woild be a comfort to haye some one
here and I here, and I don't know who some fit ine
the space as well as Dorinda Vine." Not withstanding the menacing
proach of his fortieth birthday, Squire Loveday was a good deal of a boy, and at his mother', last words he colored,
boyishly. "Ill think it over, mother," he said, with a slight laugh, as, he walked
out to the shady side yard of his com out to the shady side yard of his com--
fortable country home. His mother's arvice had fallen into soil prepared for atvice had fallen into soil prepared for
it by some half-recognized consciousness
in his in his own mind. He respected Miss Dorinda Vine as a woman of fine charac-
ter; she was handsome, ter; she was handsome, too, in a mature
way, for Dorinda was as close to thitry way, for Dorinda was as close to thirty-
eight as Evan Loveday was to forty,
So eigh ar thean Loveday was to forty. of romantic attraction, but, he said to himself, that was doubtless because he was not a young man, and the romance young wife he had lost fourteen years apo. That, however, need not prevent
his offering his hand, agi offering, his hand and loyal affection
to another woman: he needed to another woman; he needed a wife, and
Orchard $H$ Hill needed a mistress younger Orchard Hill needed a mistress younger
than his mother. "Perhaps IIl step over one of these days, and have a talk with her," Squire Evan decided, looking
thoughtfully at the tall rosebush that swayed heavily the tall rosebush that
dark crimson to dark crimson bloom.
not made a festive occasion. Miss
Dorinda Dorinda felt that it was her duty to in-
press her sister with press her sister with some wholesome
though unattractive truths; she though unatractive truths; she consid-
erately deferred her lecture, however, until the close of the noon luncheon.
earnestly, "I did try, "Aminta protested, earnestly, "but the scholars were alt so big and strong and noisy, and one of the
directors happened to drop in when they directors happened to drop in when they
were behaving worse than -usual, and he weported that I didn't keep order. Then the Board wanted a class started in Geometry, and you know I never was very strong ill about it,"
rupted her sister's weak explanations. "There's no use users oing into the whys and wherefores; you'res simply a failure that's
all there is about it. Ity all there is about it. It's worse this time,
because I was depending on your salary because twas depending on your salary
to pay the interest on the mortgage note to pay the interest on the mortgage note,
which is due, and this is the first time
havent haven't had it on hand; you know why-
"Y-yes, I know", Aminta began to gather up the dishes with tremulous hands, and yery red cheeks; she recol-
lected guility well, that the interest money had gone to pay the doctor for
setting setting the ankle she had dislocated by jumping out of the hay loft, and for at
tending her during the fever that followed tending her during the fever that followed.
Aminta Vine was all of thirty years of Ame, yet she still retained the youthful instinct to romp, greatly to Dorinda's annoyance; and the younger sister had good
cause to feel sensitive cause to feel sensitive over, the hay-loft
accident. Do you think," she asked
Do piling the plates and saucers together prather unsteadily, "that Squire Loveday will mind waiting for the interest a little
longer, this time? longer, this time?
alone," Miss Dou would leave the dishes sister's work; "you get everything " Of course Squire Loveday will nas a word about the interest, but that in not the point. I do wish you were able to do
anything. If you had been capable of anything. If you had been capabee or at
tending to the place and the housekeeping tending to the place and the housekeeping
I should have gone out to teach, and 1 can assure you there would have been no such absurd faults found with my manage-
ment. But you couldn't even do the ment. But youse properly-take care, you're setting that sprigged bowl on the edge of the table. Mercy-me, do stop fussing around with the dishes; you make me nervous."
As Miss Dorinda's exhortations seathrough the lapse of weeks, life became something of a wilderness to the latter. One morning, however, she returned from
an orchard stroll with the light of hope in her soft, grayish-blue eyes. "I've thought of something I can do," she announced, cheerfully, "that will help out the interest on the note. You know we
heard Hannah's mother was sick and she heard Hannah's mother was. Well, I'll go had to go and nurse her. Loveday, and let it go on the mortgage.
Dorinda was taking a loaf of freshbaked bread from the pan; when she had
placed it evenly upon the wire tray to placed it evenly upon the wire tray to
cool, she looked at her sister with a sarcastic smile. Mrs. Loveday being one, of the best housekeepers in Avoca Valley, she observed dryly, "I presume your
messy little dabs at housekeeping would messy little dabs
amply satisfy her!' Aminta turned


## Furniture and Music

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childhood. It will help them to grow up better, broader and more sympathetic men and women.

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## We Want <br> ${ }^{\text {Ar }}$

ment. "I can do some things," she deand I know how to make cake, if you
would ever let me have the eggs and " Dorinda waved the flimsy boast aside. entirely upon cake and tea, to say nothentirely upon cake the Squire. You don't know any
ing more about the real work of a house than a cat does, so don't try to scratch up im-
possible schemes. You'd better set to possible schemes. You'd better set to
work now, darning the stockings; that is one of your scarce accomplishments."
At two oclock on a hot afternoon Mrs. Loveday sat in her big rocker beside the dining-room window, in that uncomfortable condition when one can neither fall
asleep not keep briskly awake. Her son was absent in town, and a drowsy atmosphere lay about the pleasant old house. Through it presently came a sound of
lightly-falling feet in the path, and then lightly-falling feet in the path, and then
a slim little person stood tapping at the screen "Come right in, my dear," invited Mrs. Loveday, recognizing Aminta. "I can't get up, for I managed to sprain my ankle
this morning going down cellar; I find this morning going down cellar; I find
I'm not as spry as a grasshoper nowadays. It isn't serious, though; sit down
my dear, and take your hat off; you're all of a flush." "Thank you" "Thank you," gasped Aminta, who
was, indeed, red with embarrassment. was, indeed, red with embarrassment.
"I-I'm sorry your ankle is hurt, Mrs.
Loveday but maybe you'll need now-I heard Hannah was gone, and I thought-maybe-you'd take me to help
with the work for a while." with the work for a while." !" Mrs. Love-
"Why, for the land-sakes!" day sent a sharp glance at Aminta, but
instantly toned it down. "What's the trouble, my child-tell me," she urged kindly. "There must be something un-
usual afoot to send you out looking for usual afoot "to send you out looking for
houswork."
"It's only-I want to help Dorinda some way," fluttered Aminta; "and it
seems I can't do anything else. I could seems I can't do anything else. I could
work for you to pay the interest we owe Squire Loveday on the mortgage note."
"Why, bless you, child," Mrs. Loveday looked amused, "Evan isn't worrying a
smidge about that interest; there's no need of your fretting about it, or working to pay for it." But, indeed, you don't know how But, indeed, you don't know how
much I want to," pleaded Aminta.
"Dorinda is forever telling me of all the trouble I've made by my failures; but I'm not lazy, and I want to prove it some

## "Did Dori

## '"Oh, no,

she laughed at me, and said that such it good housekeeper as you wouldn't want me. She wouldn't have let me come at all, but I-I just took and came away her what I had done. She note to tell I don't have any comfort. Dear Mrs, Loveday, let me stay-please do; now, how could you get along, with your sprained ankle and no help? housework," Mrs. Loveday demurred, in secret dismay, recalling Aminta's reputation in domestic affairs. "Dorinda doesn't think I'm any ac"Dorinda doesn't think I'm any ac-
count," confessed Aminta, "but, indeed, I count," confessed Aminta, "but, indeed, If she would let me undertake them, but she thinks I only mess them up. I can dust and darn, and 1 can make tea-" at the word. "It's the thing I want most, at the word. "It's the thing I want most,
and this very minute. Evan tried to make me some toast and tea for dinnerdear boy, he boiled the tea till it tasted like old shoes, and the toast was charred to a cinder., If you think you could make "Oh, yes, indeed I can." Aminta was all of a sparkle as she sprang up, laid off her hat and untied the bundle she had brought. "See, II have a house gown pink gingham dress," for I was determined to stay if I could possibly get you
to let me. Now I'll run out and light to let me. Now I'll run out and light the
alcohol stove and put on fresh water alcohol stove and put on fresh water, tea that'll taste like ambrosia." return Evan was astonished, upon his person flying about with a dust-rag and chatting cheerfully to his mother, who with a white-draped stand beside her was just finishing her second cup of tea. lady told Evan, explaining the situation while Aminta was whisking the tay of
dishes to the kitchen dishes to the kitchen. "A better cup was excellent. I don't suppose she could do a great deal at the work, but she picks up and dusts neatly, and she's going to do the darning, if she stays; she is so
anxious to stay-" "Let her stay a while, mother," counin the times I'm away, and she for you on you."
held. Mrs. Loveday was inclined to keep
Aminta until Hannah's return very hard to get satisfactory help," she averred, "and any way, Minta's such a good little thing to coddle a body up, and
so handy at making tea. I'd be willing so handy at making tea. I'd be willing
to have her stay, if you could put up with the meals."
"Why, sure," agreed. Evan heartily; first rate, and her flapjacks, too." "She's a fine darner and sewer," at:mitted Mrs. Loveday. "She isn't over strong, and she's never learned to make
light bread-" Evan; "beat any I ever tasted, finished Evan; "beat any I ever tasted, except
yours, Mammy. Let's keep her; we can buy bread of Mrs. Benbow, and MII help. " "Welt" the work. will; she cheers a body up, somehow we know I'd miss her.'
When the full import of Aminta's
mutinous act forced its way to Mise mutinous act forced its way to Miss a severe line, which, however, took a slight curve of grim amusement. Mrs. Loveday lets her stay at all, I Ithe Minta about two days to get things intome home in dis.
Several days passed on, however, and
Miss Vine's prediction was not vet Miss Vine's prediction was not velfidid,
and then one morning Squire Evan came and then one morning Squire Evan came
over to explain matters. "We should not for a minute wish Aminta to work out that trifling bit of interest," he assured Dorinda, "but she is so anxious to stay
a while, and mother finds it a convena while, and mother finds it a conven-
ience, since she is laid up, so if you can pare her a week
Squire, I could manage the work of this house with one hand." Dorinda's tone held more tartness than she was aware. "Minta is very little use about the house,
except to darn and mess with fancy except to darn and mess with fancy
work. I don't see how your mother puts up with her slipshod ways at all." "Why, you see, mother likes her ways,"
smiled Squire Evan. "She is so willing smiled Squire Evan. She is so willing apple cobbler yesterday that was simply a wonder-two-story, Miss Dorinda, and lots of the cutest little frills on it $t^{\prime \prime}$, an Miss Vine hooked her screen door
with a sharp snap after the Squire's departure. "Likes her ways!" she recalled Evan's words with scorn. "I suppose she's sugary enough over there, but if Madam Loveday can be fooled by a
babyish pretense of work and some giddy babyish pretense of work and some giddy hopping around with,
It appeared that Mrs. Loveday was well content with Minta's ministrations, Ior, as several weeks went on and Hannah was detained by the illness of her
mother, the younger Miss Vine remained mother, the younger Miss Vine remained
on at the Squire's, until one unhappy morning near the close of summer, when Miss Dorinda descended upon Orchard Hill with disquieting news of a prospecadjoining county, some miles away, she explained, and it would be necessary for Aminta to make her application without delay, and, to that end, to journey at once potent committee "But-but-I'd rather stay here and do housework, than try to teach any more
schools," faltered Aminta, almost upschools," faltered Amminta, almost up-
setting her pan of yellow peaches in her "It isn't a matter of choice," Mis Dorinda reminded her, with deterning tion. "You were educated-at great expense to me-for a teacher, and Ido not propose to have it all go for nothing.
You owe it to me, if not to yourself, to You owe it to me, if not to yourself, to
make good use of the money that was make good use of the money that was make up your mind to it."
The cheery light faded from the small face bent above the yellow fruit, and a
tear splashed upon the rim of the pan Mear splashed upon the rim of the pand heart moved her to intercede: "I hardly see how I can spare your sister, Dorinda; Hannah's mother is having a regular siege of low fever, so
Hannah can't leave her, and my ankle is Hannah can," leave heak, "II thought of that, Mrs. Loveday, Dorinda assured her, promptly. should not think of leaving you withou help, and I have arranged things at home
so that I can come, myself, and stay with you. Lucinda Greene is going to look after my house, as she lives so close to me. And I don't think you need the
assurance that I can attend to your com-

October 25, 1917
fort and the housekeeping rather better
han my inexperienced litlle sister could do." my Mexperienced mete siser coul "IVve been getting on first rate,"
Aminta hastily informed Dorinda. "Why Aminta hastily informed Dorinda. Why
ant you let me alone? I like to work can't you let me aloner I hike to work
around the house, and I hate to teach school."
Please don't make it necessary for me to go over the ground any more, urged Dorinda, unmoved by the plea.
"You will have to start this morning in order to get to Pin Oak before night,
and you would better run right home and pack your grip.
Bravely Aminta continued to fight for liberty, but the battle was too unequal Against Dorinda's long established dom inance, the younger sister's bind rebelnerveshaken, weary and utterly routed,
she left the elder in possession of the she left the elder in possession of the
field, and sadly prepared for her trip to field, and sadly prepared for her trip to
Pin Oak township. Mrs. Loveday Pin a kindly kiss and word of comfor at parting, feeling slightly dazed, herself, by the sudden revolution in her household. Her amazement had gathered
something of discomposure by the time something of discomposure by the time
her son reached home, late in the afternoon.
"She's, just hustled Minta off like a cyclone," she told him, in their brief talk on the porch, "and she's gone slap-dab at the work like a house afire. She's a
tearing good housekeeper - there's no tearing good housekeeper 一there's no
doubt about that, but her energy is up setting to a body's nerves. She's been digging into every corner from attic to
cellar; and she's just naturally spied out cellar; and she's just naturally spied out
every thin place there is anywhere." "Whee-u!" whistled Squie Evan So we're having an epidemic of house-
keepers, are we? And little Amintas gone!"'
Mrs. Loveday's maid, Hannah, upon
heer return to Orchard Hill found the her return to Orchard Hill found the
house in the highest state of order, and the pantry well provisioned with sub
stantials and dainties nevertheless, watched the retirement o her late aid-de-camp with a spice of satHannan, "trying to live up to Miss, DoHannah, trying to live up to Miss, Do
rinda's perfection. She has domestic science down to a mighty fine point, but somehow, I can't consider fine house-
keeping the end of everythingkeeping the end of everything-seems to
me it ought to be more a means to other me it ought to be more a means to other
things."
A shadow fell upon her motherly face
as she sat pondering in her rocker by the window. "I hope Evan has forgotten that advice I gave him once," she ram-
bled on, to herself. "I'm sort of uneasy; Dorinda took lots of pains to please don't believe he saw the hard seams i her disposition as plainly as $I$ did.
Aminta would be much the more able as a daughter-in-law, in my Aminta secured her school in Pin Oak township, and, as weeks passed on with
no report of failure, Dorinda's satisfaction waxed great. "All she needs is some one to keep her at it,", she com-
placently reflected, "and shell
woll well. It was, therefore, a trifle dispeared at hher home the younger susset-hued day of her cominger, without previous notice o conceal her dorinda did not attempt pose it was too much to hope for that yousaid, with some tartness, "but I I was giving, any your keeping it until Thanks-
What was the trouble, "I didn't fail, this time," Minta as-
sured her, cheerily, tossing off her little brown hat. "I-I Hessigned." her little whesigned! And for goodness' sake, haven't forgotten that there is a mortgage "Oh, that'll be all right-Squire Evan
said so," Aminta assured her, glowing all of a sudden like a assured. " her, An fact, he's
the one school now.
now
He-wants me to marry him, and, of course, I wills ;he's the spren-
didest nan! And Mrs. Loveday is as
dear dear as she can be, y you don't know how
I did love to make tea for her. And, Dorinda, you'll never thave to worry And,
more about he interest money, nor any-thing-'" Ame imerest money, nor any had wanta stopped suddenly; Dorinda
door withe kith a bang.-American and cookert.the

THE FARMER'S ADVOCATE.
1671

The Awakening
By EL WHREIRR

July. Ralph and schorching hot afternoon Juy. Ralph and John, two sons of John
Brown Sr:, were busy loading hay and storing it in the barn, when they casually noticed a large touring car emerge from a cloud of dust and halt at neighbor minutes stay, it turned about and short whirling back towards the city again They wondered what was the car's errand but unconcernedly dismissed it from their minds in their present strenuou
efforts to get a well-cured field of hay into the barn before nightfall.
After supper that night while they were sitting about the kitchen discussing the work of the day and planning for the morrow's labor, Silas Weatherby, a
neighbor neigribor faws that Tom Green with the Green's only child, had paid the supreme sacrifice "Somewhere in France", which explained the auto's swift trip 'in the Reon.
Ralph in particular was dazed, stupified,
to think that Tom Green school, dear to him as a brother, should have fallen a victim to the German tyrants. That Tom really was dead Only twenty-three years old with a blotted out by the bursting of a hin explosive shell dropped al
feet. Gonel and for what?
Ralph pondered over the question that night. He could not sleep. The grea wafore. nuver seemed very near to him had been that farm produce was fetch ing remarkable prices and that with a year or two more of such prosperity
father would be able to buy a car and ather would be able to buy a car, and
then they could indulge in some of the then they could indulge in
luxuries of the idle rich.
But dear old Tom's death rudely ago, had left his old father and mother to manage best they could the splendid one-hundred acre farm, all alone. He had bravely given up mother, father,
home, wealth and ease, for what? Duty and possible death, and now "Somewhere in France" his body was lying. Was his reward worth the price, Ralph could
not but admit to himself yes! A thousand times yes! To fight and die for one's country, liberty and the freedom of succeeding generations. What could be greater glory?
Then uncons
Then unconsciously he began to compare his own part in this great cruel What had he done? What was he doing? Surely he was helping produce grain, odder, meats, etc., all of which were as urgently needed to help win the war as battle-front. saying, "Could not John and father manage the farm without you by possibly a little extra effort on their part, and a year, leaving more in pasture and grass land, thus minimizing labor needed? and you, Ralph, should you not offer yourself lor service? Your brother John father is past the age limit, but you are a healthy strong young man of twentyone. Why should you not go?" And
Raiph, unable to longer lie in bed thinking Ralph,unable to onger les ies and went out in the cool night air to fight the battle out alone with his Maker.
It was not a case of afraid to enlist of of which would be the more profitable, Country? And the swer cod and his reasonings. Gol So that night out under the old Canadian maples, he made pledge that if he was spared another twenty-four hours he would enlist. Once more at peace with his con-
went back to bed and to sleep.
Next morning after breakfast, just as they were preparing to start for the
hay field, Ralph announced his intentions hay field, Ralph announced his intentions of going to the city and enlisting that
very forenoon. Mother father and brother were thunderstruck at his present decision of intending to go away over
there in France, a target to the Hun there in France, a target to the Hun
sharp-shooters, when only the other sharp-shooters, when onng he had been planning one great imes purchased the much talked of auto. they purchased the firmly stated reasons why he thought it his cuty

# BABYS OWN SOAP 

For Nursery Use
you cannot take chances on Soap. Four generations of Canadians have enjoyed the creamy, fragrant skin healing lather of Baby's Own Soapthe Standard in Caniada for nursery use, on account of its known purity.
Baby's Own is Best for Baby-Best for You.


ALBERT SOAPS, LMMIED, MTEG - MONTREAL


AUCTION SALE OF HIGH-CLASS

## 34 Purebred Shorthorn Cattle 34

On Tuesday, October 30th, 1917, at 2 o'clock p.m. $^{\prime}$
At the GLEN FARM, WELLAND CO., $11 / 2$ miles north of Niagara Falls, Ont
The majority of this young herd of males and females are sired by Ramson Dake and imported Bapton Mason. The dams are mostly all of pure Scotch breeding, the roprietor having made the breeding of Shorthorns a study for 45 years. The whole ierd are a choice offering, and must be sold to the highe. as Gien Farn as been sold to the Hydro Electric Co
Electric cars from Niagara Falls and Oueenstonsible parties, with interest at $6 \%$.
L, V. GARNER, Auctioneer GHAS. MURRY, Proprietor
Welland, Ontario R.R. No. 3, Niagara Falls, Ont.


SUNNY SIDE HEREFORDS

 $A$ few choice twin Shrophitre rams, lambs and yearlinge. ARTHUR F. O'NEILL \& SONS, DENTIELD, ONT., R. NO. 2.

## POULTRY

Wo aro pen to recive shipments of
chateratened Doultry of ail kinds. Hieheot mirtret prrece parid, acoording to Henry Gatehouse \& Son
 34-350 Weindorcheater street
WONTREAL
"1900" Gravity Washer Sent fee for one month:
M190" WASHER COMPANY. 257 Yoves sf. TORONTO, ONT.

## Rich Yet DelicateClean and Full of Aroma.

 "SATADA"is blended from selected hill-grown teas, famed for their fine flavoury qualities. Imitated yet never equalled.

## Costs No More Than a "Span"



It seems almost impossible, but it is true that you can get a handsome, comfortable, speedy 5 -passenger Ford motor car for no more than it would cost you for a span of good driving horses, a carriage and harness.

The initial cost of a Ford car is so small that every progressive farmer can readily purchase one.

And who wouldn't rather motor to town, to church, to the railway station, to the neighbor's, than drive? - especially when it is three times as fast to motor, more comfortable and less expensive.

The low cost of running the Ford makes notoring possible for the masses, where it was formerly a rich man's luxury. It makes motoring a matter of good business, especially for those whose time is valuable. And with labor so scarce no one needs the time-saving Ford so much as the busy farmer!


Sonad
Touring - - \$495
Runabout - \$475
F.O.B. FORD, ONT.

Ford Motor Company of Canada, Limited FORD

ONTARIO.

OCTOBER 25, 1917


Cotton Seed Meal





 Would it not pay to sell some oats.) 28.00
COTTON feed
Flgure this out for yourself"- How to get the BUY FROM YOUR OWN COMPANY Get our prices on Oil Cake.
Watch for our next advertisement. UNITED FARMERS' CO-OPERATIVE CO. 2 Francis Street, Toronto


A MARRIED MAN SEEKS SITUATION AS
heresman in a Shorthorn herd. Apply to DON'T, LET RATS RATM DESTROY YOUR
high Mpriced grain. Special prices on Fox Terriers,
best rat dogs on earth. Rabit Hound puppes. betrot dogs on earth. Rabbit Hound puppies.
John Annesser, Tilbury, Ont. HAVE TWO PARS OF GOOD CROSS Thamesville, Ont.
WANTED-A SINGLE EXPERIENCED FARM
hand by the year, also strong boy or middlehand by the year, also strong boy or middle-
ged man to ocho chores and help milk. Address--
. Hopkins, R . R. 1 . Caledonia, Ont. $\frac{\text { WANTED- STOCK MAN, EXPERIENCED }}{\text { and capable, having thorough knowledge of the }}$
 WANTED-200 EARLY PULLETS. WRITE
priee and full particulars to Spruce Lodge Poultry

Yards, Milton Ontaria | POULTRY |
| :--- | :--- |
| QEGGS OI | CHOICE WHITE LEGHORN COCKERELS

Barron's 282 egg straino \&2.00 each. All varie-
tiear Geese and Turkeys. Toronto and Guelph ties-Gese and Turkees. Toronto and Guelph
winers. T. A. King, Milton, Ont.
TWENTY-FIVE YEARS A BREEDER OF TWENTY-FIVE YEARS A BREEEDER OF
farred Rocke, that are barred and bred right,
foom frist-cass laying hens. Cockerels for sale,
both show and hoth show and utility. Walter Bennett, No. 1,
Cottam, Ont.
WHITE CHINA WHITE CHINA GEESE;AYLESBURY,PEKIN,
White Runner ducks Buff and White Orping-
tons, Barred Rocks White WYand Whit, Barred Rocks, White Wyandottes, Reds,
Polish, Bnd Brown Leghorns, Buft and Silver
Ottawa winners. Cansians; bred from Toronto and

## WANTED

Also Large Fowl Alive

WALLER'S

## THE FARMER'S ADVOCATE.

## Women Save the Enolish

 Harvest.Editor "The Farmer's Advocate": There are 200,000 women saving the
harvest of England and Wales and saving it well, too. It has been a trying saving it well, too. It has been a trying
time with bad weather and heaps of rain and a skirling wind. But the yields are good, and Mr. Lloyd George's op-
timism as to "We can't be starved" is timism as to "We can't be starved" is
not misplaced. The Board of Agrinot misplaced. The Board of Agri-
culture estimates fairly good yields. culture estimates fairly goo
Here is the official statement:
"Summarising the returns, and express-
ing an average crop by 100 , the appearing an average crop by 100 , the appear-
ance of the crops on 1st September ance of the crops on 1 st September
indicated probable yields which may be indicated probable yields which may be
expressed by the following percent-ages:-Wheat, 93; barley, 97; oats, 00 ; beans, $80 ;$ peas, 91 ; potatoes, 104 ;
turnips and swedes, $96 ;$ mangolds, 103; curnips a."
phase of harvesting This well at every Prothero, our Minister of Agriculture, has written to Lady Londonderry, (who
is running a series of Farm Women's Competitions at Oakham, a new phase of "sport"" which is catching on all"over "In almost every part of England and
Wales there are nowsome 200,000 women Wales there are nowsome 200,000 women
who are doing a real national work on who are doing a real national work on-
the land. They are carrying on to the farms the same patriotic enthusiasm which inspires their menfolk by land and
sea. Like them they have cheerfully sea. Like them they have cheerfully borne their share of hardship and dis-
comfort. Like them, they have set comiort. hike them, they have set and devotion to duty. They are truly helping their husbands, sons and brothers to "win the war
an entirely new what is to many women an entirely new sphere of work eney
had to overcome many prejudices and encounter some ridicule. No one laughs now except at the prejudices. In the management of horses, in the care of
live stock, in milking and dairying, live stock, in milking and dairying,
in thatching, and in the hundred and one jobs about a farm, women can hold their own. If in other forms of work their success depends more largely on their
physical strength, farmers have learnt physical strength, farmers have learnt
that women tan do as well as men things to which they have set their minds."
The point that has struck most ob-
servers who have lately been watching she progress of work on the English tarm is the extremely important part
that that women, soldiers, girls and boys
have had in it. Official and all other reports tell with increasing emphasis of the growing helpfiness. of women in
almost every sort of agricultural work. But for them and the soldiers who have been spared, great numbers of farmers
who, before and since the war started who, before and since the war started,
looked askance at the other sex would looked askance at the other sex wout
have been on their beam ends with both
the the hay and the corn harvests, to say nothing of fruit. The tasks that women
have successfully undertaken on British farms in the last twelve months have been. an eye-opener that has utterly silenced
critics, ideal or practical. Instead of asking what can a woman do on a farm, you now ask-is there anything tha she cannot do? A far travelled and most
experienced authority on British agri experienced "ull am amazed that there culould ever have been opposition to or
should suspicion of women's capacity. I do not dream of discounting the honest intention of the old type of labor, but I prefer well-educated and well-nurtured young women. Farm work demands conscientious labor above all things,
and I prefer a young women like this and I prefer a young women like
to all the boys and most of the men at command in more prosperous times. No men of my acquatertance iner, or more faithful work than girls I have met on
fairms. Men are sometimes coarse firms. Men are sometimes
occasionally brutal-to cows:
coarse occasionalys Men milk with dirty hands, which
never. make women uncomfortable. Women
weigh the milk religiously. Men weigh it in a perfunctory manner and, as un believers, it tiey we cited of Yorkshire farmers who, having lost all their men, have experimented with women, and were made as happy as farmers could be, accepting new discoveries and mapped out fresh plans of campaign. It is
suggested that, as women are not all
mothers of children the
them as it affords men a better opportunity of enjoying a happy, prosperous and
healthy life than any other occupation. In most northern counties women have made most handsome response to the
call for agricultural volunters. So numerous have candidates been that orly the undoubtedly fit haye been accepted, fifty per cent. being sometimes rejected. At numerous, centres, includ-
ing Government bursaries, hundreds ing Government bursaries, hundreds of
women are being trained every month; and, though it is not possible to turn out a woman farmer in a month, smart, capable girls are very useful on a farm
after a three weeks' probation. As after a three weeks probation. As
samples of the vigorous efforts that are being made all over the midlands and the north of England to respond worthily
to the call made by Mr to the call made by Mr. Prothero, in June, for more women for the land, the
recent activities of the West Riding recent activities of the West Riding
Women's War Agricultural Committee may be mentioned. Arrangements have just been completed for a party of 400 women to go for potato picking in the
Goole district. Over 50 fruit bottling demonstrations have been held since June. The Government are said to have been slow in supplying bottles, but the
sub-committee have now received nearly sub-committee have now received nearly
the whole of an order for 24,000 bottles. The West Yorkshire Selection Comgirls, have interviewed over 1,300 placed on the land in various parts of the country, Most of the recruits are from the industrial classes, and servants have workers in the North Riding are now receiving special training in ploughing, and gangs are to be formed for assisting
farmers in threshing, potato picking,

A party of about 50 Leeds Grammar School boys, in charge of Mr. WynneEdwards, the headmaster, and other masters, have just returned from a
month's stay on the battlefield of Flodden in Northumberland. One of the party reports that they had plenty of hard
work, and that everything and everywork, and that everything and everyIt rained on 18 days out of the 28 days of the visit. The students mostly cut
thistles, whit where. To clear the land of them was
their chief work. Last year farmers had their chief work. Last year farmers had
not been able to properly clear the land. not been able to properyy clear the land preparing for the winter sowing campaign.

## The Elgin County Sale.

One will have fifty chances to secure a high-class Shorthorn and eleven chances to obtain a top-notch Hereford at the Elgin. Pure-bred Breeders' second annual on Thursday November 8. Those in charge promise that the offering will be all well bred, well grown, and well conditioned. Catalogues and fill information can be obtained on request to Duncan
Brown, Shedden, Ontario, Manager; James Page, Wallacetown, Ontario, the secretary. Get full particulars early.

## Sale Dates.

Oct. 25, Col. R. J. Stuart, Orono, Ont -Registered and grade Shorthorns, TamOct. 26; W. G. Bailey, Paris, Ont.Holsteins.
Oct. 26,
Oct. 26, A. E. Currie, Guelph, Ont. Shorthorns, Yorkshires and Leicesters.
Oct. 30 , Harry Tout, Strathroy, Ont. -Holsteins. - Oct. 30, Chas. Murray, Niagara Falls, Ont.- Shorthorns.
Oct. 31, Dr. C. A. Cline, London, Ont. Oct. 31, Dr. C. A. Cline, London,
Holsteins. pure-breds.
Nov. 5, Peter Arkell \& Co., Teeswater Ont.-Oxfords. Sale, London, Ont Ontario Consignment Nov. 8, Elgin County Pure-bred Breeders' Association, St. Thomas, Ont. -Shorthorns and Hereiords.
Nov. 28, H. Bollert, R. R. 1, Tavistock, Dec. 11, Niagara Peninsula HolsteinFriesian Club, Welland.-Holsteins. Dec.- ${ }^{12,}$ Oxford
Breeders ${ }^{\text {District }}$ Club Consignment
Halstein
 Secretary.
Secretary. Southern Counties Ayrshire
Beed.
Breders Breeders' Club Consignment Sale, at
Woodstock, Ont. John McKee, Norywich,

## That Coupon

 below is your chance to prove you are with us in upholding the farmers' interests!TF YOU BELIEVE that The Farmer's Advocate is a good institution for the farmers of this country, and if you believe that it will benefit some of your brother farmers to subscribe -get all the men you can to give you their subscriptions.

You will be doing a good work, besides helping us. Furthermore you'll earn six months free on your own label for each NEW yearly subscription you send us at $\$ 1.50$, paid in advance.

How many can you getsay this week?

Shall we send you .some sample copies?
The William Weld Co. LIMITED

## 




Exemption Boards have been chosen in such a way as to make them absolutely independent and removed from all influence. There are over 1,250 boards throughout the country, each composed of two men, one appointed by the county judge in the district concerned and one selected by a joint committee of Parliament. Being familiar with local conditions where they sit, the members are well-fitted to appreciate such reasons for exemption as are put before them by men called up.

Exemption will be granted to those who can establish that it is in the national interest that they remain in civilian life. This is for the Exemption Board to decide after having received full information in each case.

The grounds on which exemption may be claimed (which are similar to the grounds recognized in Great Britain and the United States) are as follows :-
(a) That it is expedient in the national interest that the man should, instead of being employed in Military Service, be engaged in other work in which he is habitually engaged
(b) That it is expedient in the national interest that the man should, instead of being employed in
Military Service, be engaged in other work in which he wishes to be engazed and for which he has Military Service, be en
special qualifications.
(c) That it is expedient in the national interest that, instead of being employed in Military Service, ho should
(d) That serious hardship would ensue if the man were placed on active service, owing to his exceptional financial or business obligations or domestic position
(o) III health or infirmity.
(f) That he conscientiously objects to the undertaking of combatant service and is prohibited from doing so by tenets and articles of faith, in effect on the sixth day of July, 1917, of any organized
religious denomination existing and well recognized in Canada at such date, and to which he in good faith belongs.
(g) That he should be exempt because disfranchised under the War Time Election Act.

No Claim for Exemption should be put forward unless one or other of these grounds in fact exists, and no loyal citizen should assist in, or allow himself to be made a party to, any Claim for Exemption unless thoroughly satisfied that it is made in good faith.

Exemption may be applied for by the men selected themselves or by their parents, near relatives or employers. Application for exemption must be made on printed forms to be found at every post office, which are to be filled in and left with the postmaster i exemption is desired. The postmaster will forward the form to a Registrar, who will send it to the appropriate Exemption Board. In due time, then, the Applicant will get notice as to when he must present his case before the Board.

Issued by The Military Service Council.
148

## AUCTION SALE

## Dairy Shorthorns

 Will be held on Lot 32 , Con. 1,SAUGEEN, near Paisley, Ont.
Thursday, Nov. 1st, 1917 Six cows, extra good milkers and
in good breeding condition. One in good breeding condition. One
stock bult, four heifers and seven
hull calves. also stock call, four also orers and seven
bund well-bred sheep.
antle
Johm D. McArthur, Prop., Paisley, Ont.



## Public Auction

he old original Summerhill Farm, two
one-half miles from Teeswater, Ont. MONDAY, NOVEMEBR 5th, 1917 ,
Sale will commence 1 o'clock. consisting of 100 first-class grade ewes in good con-
dition il. aso one ome chooce registered Oxford ewes
all will be sold without reserve. A number
ald reeistered Oxford rams will be sold private.
TERMS: TERMS: 6 months ${ }^{\text {cheredit on approved joint notes }}$
at $6 \%$ per annum; $3 \%$ off for cash.

PETER ARKELL \& CO John Purvis, Auctioneer

PURE-BRED STOCK FOR SALE
Clydesdales, Aberdeen - Angus, Hampshire



## Montreal Produce

Poultry.- The market here so far is
little better than nominal, but quotations for chickens were from 20 c . to quotations 25 c , while fowl were quated at much the same range, according to quality. It is stated that even higher prices may be quoted on
fancy stock: Dressed I
hogs was displaying some slight easiness, and predictions were heard that from this forward prices should be lower. ales of abattoir fresh-killed stock were
taking place at $251 / 2 \mathrm{c}$. to 26 c . per 1 b . taking place at $251 / 2 \mathrm{c}$. to 26 c . per lb .
Potatoes.-It is understood that crop in the U.S. will turn out short, and that the quality of a considerable proportion of the potatoes has been affected.
There is a good demand for domest and export account for Canadian potatoes and Green Mountains were up to $\$ 2.15$ per 90 lbs., ex-track, while Quebec white potatoes were about $\$ 2$ per bag of 80 lbs ,
ex-store. Eggs.-The egg market was attracting
some interest. Little change was noticeable in the price of strictly new-laid stock this being around 53 c . to 54 c . Selects were still 47 c . to 48 c .; No. 1 candled, 43 c .
to 44 c ., and No. 2 candled, 40 c , to 41 c The consumption is running strongly oi storage stock, and the movement in this quality is large.
Butter-During the past week the
market for butter was very firm market for butter was very firm. The
make is falling off, and prices have advanced. They were 46c. for finest, and 45 c . to $451 / 2 \mathrm{c}$. for next quality. Dairies ranged from 37 c . to 40 c . per Ib ., covering
all qualities. all qualities.
Cheese.-The Commission was paying
$21 \%$ c. for No. $1 ; 211 / \mathrm{c}$. for No. $2 ; 203 / \mathrm{c}$. for No. 3. At Ontario cheese boards, 21 5/16c. was paid.
Grain.-No. 2 Canadian Western oats
were quoted, in car lots, ex-store, at 76 c were quoted, in car lots, ex-store, at 76 c .
to $761 /(\mathrm{c}$. No. Nand extra No, 1 feed, $741 / 2 \mathrm{c}$. to 75 c .; No. 1 feed, $733 / 4 \mathrm{c}$. to $741 / 4 \mathrm{c}$; No 2 feed, 72 c . to $721 / \mathrm{c}$. Ontario and Quebec No. 2 white, 72 c. ; No. 3 white, 71c. Canadian 3-lb. picker beans, 39 ;
$5-\mathrm{lb} .$,
$\$ 8.50$; Rangoons, $\$ 7.50$; and yellow 5-1...,
eyes, 87.
Flour.-The market was steady at
$\$ 11.60$ per barrel, in bags, for Manitoba 11.60 per barrel, in bags, for Manitoba $\$ 10.90$ for strong bakers'. Ontario 90 per cent. patents were $\$ 10.70$ to $\$ 11$ pet
barrel, in wood, and $\$ 5.20$ to $\$ 5.35$ pert
Mag. $\quad$ Millfeed-Bran was quoted at $\$ 35$ per ton, in bags; shorts, at $\$ 40$ to $\$ 42$,
mixed mouille, $\$ 55$ to $\$ 56$, and pure grain, $\$ 58$ to $\$ 60$; middlings, $\$ 48$ to $\$ 50$ per ton: flour middlings, $\$ 66$.
Baled Hay.-The market was fractionally firmer, with sales of car lots of $\$ 11$ to $\$ 11.50$, ex-track.

Attention is directed to the advertiseAttention is directed to the advertio-
ment re the Shorthorn dispersal at Glen
Farm near Niagara Falls, in the County Farm, near Niagara Falls, in the County
of Welland, on Tuesday, October 30
The Cline-Carroll Holstein Sale. This is the last call for the Ctine Parties from a distance will be met at the Grigg House, London, up to 12.30 on day of sale, so the connections are header is mentioned in the advertisement in the these columns and full information regarding all the lots may be obtained by writing Dr. C. A. Cline, London, Ont. There will be sixty chances to buy and early and study the breeding.

The London Shorthorn Sale fine as all the previous days which have been selected by the Western Ontario Consignment Sale Company, Ltd, as sale dates, there will be a large attendance
at the event now being advertised in these at the event now being advertised in thes columns. The get of such favorably known bulls as Blarney Stone, Seaires in Western Ontario has attracted many buyers in the past and will do so again on November 7. There is always a good are keenly contested for. The good features which have characterized the London sale in the past will be repeated again this fall, so no one can anager, miss the coming sale. a catalogue and full particulars on request. Don't be late in making up

CTOBER 25,1917
THE FARMER'S ADVOCATE:
1675


His Imititors But Ho Computitors.








4SELDOM SEE a big knee like this, but your horse
may have a bunch or bruise on his Ankle, Hock, Stifle, Knee or Throat. trade mark ric.u.s. PAT OFF. will clean it of without laying the gone. Concentrated-only a few topo reequired at an application, \$2 per



DR. PAGE'S ENGLISH SPAVIN CURE ures the lameness from Bone
bunches doorbe tho the
the hair, dill b oo r b
the
 in teendo ne, most
powerful absorbent
known: guaranteed known: guaranteed,
or money, refunded.
Mailed to any ad: dress. Price $\$ 1.00$. Toronto, Ont.

- M M R Horserpowe
 BURLINGTON BLLANKET CO.. LIMITED.
T98 King Street West, Toronto, Canada.
MrssRs. A. J. HICKMAN \& CO, (Late
Hickman Scruby) Court Lodge, Egerton, PEDIGREED LIVE STOCK

 covered by payment of an extrall war inikgs


## Gossip

B. Armstrong \& \& Son, Codrinton,
are having good results in in

 furnish quat and assert that they can
erast qualty to satisty the most
ent
 Irom our old sow that has been so very
prolific fine ram laxms, some weighing 125
fo 135 mold to 135 pounds, and one extra fine lamb
weighs 160 pounds. We have twe lites weighs 160 pounds. We have two litters of collies in p

Holsteins at Strathroy
Regarding the Holsteins to be sold a Strathroy on October 30, by the West
Middlesex Holstein Breeders, Harry A. Tout, Secretary of the Association writes:
"The sale consists of 40 head The sale consists of 40 head of registered There are cattle with best of backing. which should go to head some of the best herds in Canada, one being from a sister to the champion R. O. P. cow of Canada. As this is the first sale of this kind in
West Middlesex, there will be nothing but the best offered. The sale will be held under cover if the weather is not favorable.'

Springbank Ayrshires
Following a recent visit to Springban herd of pure-bred Ayrshires owned by A S. Turner \& Son, of Ryckman Corners only the very highest praise to offer. unparalleled success at London were seen along with other members of the herd many of which, although equally
as promising, were not out this season. as promising, were not out this season.
Then, too, the general neatness of the entire farm surroundings was found quite i
keeping with a herd of even this prom ineace. Messrs. Turner \& Son are strong for both neatness and order
even about the farm and more so it possible when it comes to the Ayrshires theo well known to need lengthy comment here, will, with the reports for yearly
production in the record of performance prods furnish ample proof of this. Th
Springank herd has a combination type and production that is almost impossible to excel. At both Toronte and London for several years past they have captured their in the Record of Performance test, present member of the herd hold the Canadian milk and
butter record for the two-year, the three year and the mature dasses. Scotch Princess 2nd, another member of the for almost three years before it was broken which gives the herd the dis two the or having held during the past two years seven years. There is perhaps nothing that would be more interesting to the Ayrshire readers of these columns than to run over their reports of both the
R. O. P. work and the Toronto and London- exhibitions, covering the past several years and note the high standing of Mr. Turner's herd. At the time o our visit the herd in numbers ran around eighty head and Theodore was the Netherton Kire in service, He is a bull o many outstanding qualities individually and was Turner, junior. His sire, Nether by Mr. Turner, junior.
ton King Arthur, is one of Scotland's most noted sires, and his dam, Wyllieland Tina 4th, has a 4 -year-old miler ton King Theodore was second to Hillside Peter Pan, the senior-chlowing the imported senior sire, the choice for a junior sire has also been wisely Inade ible the young bull, Humes his sire, Hillside Peter, which
Peter $P a n ~ t h e ~$
1916 Toronto and London champion, for the London champint ship this year. It is uselessising youngster, his winning over his sire proves that, but it is also worthy oth imp., has
dam, Bellsland Nan 4thl over 14,600-lbs. of heas also been a prominent Toronto winner. If you are official records in your
it would be well to get full particulars regarding the Springbank herd.

## CALDWELL'S Caldwell's Dairy Meal <br> supplies the demand for a highly protein, scientifically mixed, milk-producing ration <br> It is prepared from recleaned materials and contains no oat hulls or other low grade ingredients. Caldwell's Dairy Meal is a pure, easily-digested, futly- balanced meal. Its only purpose is to increase the milk flow and keep the cows <br>  increase the milk flow and keep the cows in perfect health. Give <br> Order a quantity from your feedman

The Caldwell Feed \& Cereal Coo, Limited Dundas, Ontario
Makers also of Molasses Dairy Meal, Subream , Calf Meal, Hos Feode

## STANDARD FEEDS

34 ${ }^{\mathrm{TH}}$ ANNUAL
Ontario Provincial Winter Fair

## GUELPH

November 30 to December 6, 1917 ENTRIES CLOSE NOVEMBER 14th
W. W. Ballantyne, President
R.W. WADE, Secrotary
New GOAL OIL LIGHT FRT2

|  |
| :---: |



OUR LATEST IMPORTATION OF CLYDESDALES arrived at our barns late in November. A number of them since have been prominent winmers at both
Guelph and Ottawa. But we have others. (both stallions and mares) that were never out. The majority of the stallions weigh around ths ton, and better quality and breedings ware never in the gtablee:
Come and see them. We like to show them. SMITH KIGHARDSON, COLUMBUS, ONT. WOODLANDS BROWN SWISS AND PONIES

We have no Clydes. left for sale. Our special offering in Brown Swie buils out of hifth-
teating and bigeproducing dams. Strictly high-class. Also Shetland and Welth ponles. R. BALLACH \& SON

GUSLPH, ONTARIO
Herd Bulls:-HIGH IDRAL, Junior Champloh, Toronto and Londom; CLA YTON DONALD

 PLEASANT VALLEY SHORTHORNS
We have on hand one of the strongest lot of young bulle that we ever had in the stablet Strons in
individuality and strong in breeding. Come and see them or write for particulari. We slon have
females, bred to our herd sire, Nowton Grand Chmomplon. Imp.
GEO. AMOS \& SONS, 11 miles east of Guelph, C.P.R., MOFFAT, ONT.

WM. SMITH, Columbus, Ontarlo. Myrtle, C.P.R.; Brobalin, G.T.R.; Oohawa, CiNiRf


## Aberdeen-Angus Cattle

Suffolk Down Sheep



## Alloway Lodge Stock Farm

Angus-Southdowns-Collies show flocks
Rains and ewes. Heifers in calf toQueen's Edward. Robt. McEwen, R.R. 4, London, Ont. Sunny Acres Aberdeen-Angus Home from the ehows. Review both the Toranto
and Ottawa reports in the Farmer's Advocate and
Whe note our winnings. We have young butls of
serviceable age that were winners, and others that
 are always welcome. \& SON. OAKWOOD, ONT.
WM. CHANNON
Lindsay Station, C.P.R.-G.T.R. Kennelworth Farm Aberdeen-Angus
grand lot of calves for sale; apes in the
neighborhood of 7 month. Victor PETER A. THOMSON, HILLSBURG, ONT Balmedie Aberdeen-Angus

 Beaver Hill Aberdeen-Angus Cows with calves at foot and bred again, Bulls of eer-
viceabile aze, femanele all agess; few Shearling OX-





Questions and Answers.
-
What sized cylinder would work most satisfactorily in a pump operated by a
windmill to draw water 130 feet with a windmint to draw water 100 reet with a
lift of 15 feet through a $1 /$-inch pipe?
It is to be forced through an inch-pipe It is to be forced through an inch-pipe
for a distance of 40 rods with an elevation for a distan
of 75 feet
Ans.-The cylinder should be somewhat larger than the pipe. A 2 or
one should work satisfactorily

Toll for Grise Mill.
Is there any Act governing the amount
of toll which grist-mills exact? Our mill of toll which grist-mills exact? Our mill
gives 32 pounds of flour, 3 pounds of shorts and 6 pounds of bran for a bushel of standard wheat. wolds the deed to property, but the husband pays the
interest on the mortyage and has the receipt in his name. If the wife dies first can she will the place to whom she wishes,
or will the husband have any claim?
P. P.
Ans.-1. We do not think there is any law governing the amount of toll at the
present time. The amount necessarily present time. The amount necessarily
varies with the grade of wheat and with varies with the grade of whear
the cost of manuacturing flour. 2. The wire may will $t$
whomsoever she wishes.

Forming an Absociation.
How is a Dairymen's Association rorganized? What are the rules for same?
Where may I secure the rules? Where may I secure the rules? G. O.
Ans.-A number of men in a community Anterested in the same line of work and wishing to unite their efforts to further promote their business, may meet to-
gether and effect an organization. It is necessary for someone to call a meeting pros and cons of organizing and outline the objects of organizing. Various rules and regulations may be laid down,
depending somewhat on the object in depending somewhat on the object in is for promoting larger markets for buying supplies or whether it is an educational propaganda. Write G. A. Putnam,
Parliament Buildings, Toronto, for rules and regulations.

Bitten by Dog.
to ask where a certain man lived, but knowing -that he did not live there as he could see the man's name on the gate. The people of the house were away and the dog bit him the nearest town,
suit. He motored to suit. Fent to the doctor. Could he not
and have changed doctors as this was about twenty miles from his own home town: He called the nextayy and told
the man that his dog had bitten him, the man there was no one on the place to see the dog bite him but the persons
with him could he lawfully claim from with him could he lawfully claim from
the owner of the dog, a new suit of clothes, the owner of the doged anew suit of doctor,
pay for gasol ine used in going to the dind pay for gasoline used in going to the doctor,
pay for time lost In dressing the wound and to pay the doctor's bill?
Ans.-Not likely.

Wagon Purchase At a recent auction sale 1 bought a wagon which was advas put at the sale as a wagon. It consisted of gear only with a set of whiffletrees in their proper place and a neckyoke thrown ac-
cross the hounds. There was nothing said about the whiffletrees or neckyoke so I would suppose they sold with the they had been removed by the former owner who said they were not sold with the wagon. He said as they were not
advertised on the bill they were not advertised on be with the wagon. I supposed
offered to go to the auctioneer for a decision but he refused. I went tore not
auctioneer and he said as they wer mentioned at the sale they sold with the
wagon. I would like to know through wagon. paper:
your Who do the whiffletrees' and neck-

1. Who yoke belong to.
2. If they are mine how should I proceed to get them. A SuBSCRIBER.
Ans.-1 and 2. From your statement of the case and the opinion of the auctioneer we should say the whiffletrees and
neckyoke should go with the wagon. neckyoke should go with the wagon.
Take the auctioneer to the place and reason it out with the seller. If he re-
fuses and you think it worth while enter action to recover the parts. It is scarcely
worth while going to law over so trifling worth while
an amount.


Elgin Pure-Bred Breelers' Second Annual Combination Sale durdle feed stables, st. thomas, ontario

Thursday, November 8, 1917 61 HEAD

## 50 High-Class <br> 11 Top-Notch SHORTHORHS HEREFORDS

Well bred, well grown, well conditioned. An asso-ted offering, all good, Wrom descendants of some of the most noted sirss in the country. The sede to attend for cattle and breeding that is worth while. Catalogues
information on request. See later issues for further particulars.
DUNGAN BROWN, Manager SHEDEN, ONT.
SHMES PAGE, Secretary
WALLACETOWN, ONT.
SHEDDEN, ONT.

## SHORTHORNS




## IMPORTED SHORTHORNS


PLEASANT VALLEY FARMS

Blairgowrie Shorthorns and Shropshires


## SPRING VALLEY SHORTHORNS

 OAKLAND---55 SHORTHORNS



Questions and Answers. Miscellancoun.
Meat for Fowl
Can anyone tell me how to dry or otherwise preerve horee peen for feeding
poultryit I would rather not salt it. W. B. Ans- - You might try smoking it sat smoked meat or not. It is coming the season of the year when meat may be frozen, but outside of these two
methods it it is diffrolt to
 Author of Poem.
Who is the author of the ofolowing lines: And teek, parson maide ilithise text that That atiie which is hala f a truth iskeser of the That blacest of lies,
That a liee ehicin is, is.al a lie may be met But a a lie which is is part atright truth is a harder
matter to fight." a ruth is a harder
F. W. H. Ans, These. lines are found in, Tenyson's poem "The Grandmouther."

Foeding Horces.
WTRAPPIIG
 TRIPS GIIIS
 Noxan
 Yevinilagsco. BLACK lasses suriy previris LTC Mand



Mardella Shorthorns Duat-purpose bulls, 20 yoing cows and

heiers-bred, some calves by side. Size | heiner ured, some calves by side. Size |
| :--- |
| type, quality; some full of Scotch. The |

 Thomas Graham, PortPerry, R. $\mathbf{3}$, Oant.
SHORTHORM BULL FOR SALE

Hait Trout Craek Wonder. Red roan 5 yean
W. w, scortr, R. No. i. HIGHGATE, ont.

## Spruce Lodge

Shorthorns and Leicesters
 W. A. Dousg las, Cyi Cateconia, Ontario.

Plaster Hill Shorthorns
 f. Martindale \& Son, Cabedonie, R.R. 3, Ont. Glenfoyle Shorthorms Cement ofering-
 ste frike initicnim, LINDSAY, oNT.
 rexord owew A feew young cowe and bull with Manchoserer P.o.




MAPLE LEAF FARM


I wish some advice about feeding horses, what is the proper amount on
hay and grain to feed hard worked horses
durint the during the summer
Aans-No hard and fast rule can be laid down, as it depends so much upon
the nature of the work, the weinh

 Pound of oats to each 100 pounds of horse.
This would make 12 pounds of hay and
 might $b$ botinued heary work the grain the work in reduceco or the horose is idide
the yrin ration should be ereaty redice the grain ration should be greatly reduced
in order to, avoid dizgetive troubles
 Teaders is that they give their horses to
much hay. If the animal is out o Condition a little oil cake may be fed aped bran might ber inctuded in the ration,
A feed of boiled grain is a very good thing to give Saturday nights.

Failure to Breed.
What can be done for cows that come in heat every few weeks? Have tried two trouble with the cows until this year. Have four twoyear-old heifers and they
act like the cows. Ans. - This trouble sometimes occurs
without any apparent cause, Have your withtout any apparent cause, ative yout
veterinarian examine the vet ossibile that the entrance to the womb
has
has all right physically the yeast treatient
may
mix may yive results. Mix an ordinary
cake of yeast to a paste with $a$ litile cake of yeast to a apaste with a
warm water
want
hours in and allow to stand for 12 hours in a moderately warm place,
ther stir in one pint of freshly-boiled then stir in one pint olreshy-
lukew warm water and allow to stand for another 8 or 10 hours. The mixture winntity b eould be inijected into the vagina of the animal to be bred Use the eimetare when period of heat is irst
noticed and breed when period is about ended. Overfat Fowl

I have a fock of 25 hens. Three of them became very fat. 1 killed one of them and | Tound three large lumps. which hooked |
| :--- |
| tike hard-boiled egss. |
| killed the other | like hard-boiled eggs. The same. Several

two and found them the same. of the other hens are beginning to get of the other hens are begin this they
unusually fat; other than appear perfectly healthy and their combs
are red. Is this a disease and will I have to destroy the entire flock? D. S. G. to the birds becoming overfat and it is possible they may have become eggbound. This condition sometimes occurs when birds are confinied to a small pen. If on free range they get exercise which prevents them from becoming too fat. whether or not these birds are on free range. If confined to small quarters, you might try reducing the ration and burying the grain in a foot ould have to
straw so that the birds would work to get it. The symptoms given indicate constitutional disorder but not exactly a disease, and unless there were some specific symptoms of trouble other
than that mentioned we do not think it would be necessary to get rid of the woure flock.

THE CANADIAN SALE of 1917

## 125 SHORTHORNS

75 Cows and Heifers with a number of calves at foot. 38 Young Bulls
The Greatest Shorthorn Event of the Year fraser house stables
London, Ont.,Wednesday, November 7, 1917

NCREASE PRODUCTION-and also your profits by making selections from confignments to "The Greatest Shorthorn heifers safely bred and bulls ready for service. All carefully selected and sold under absolute guarantee. In this year's offering are "lots", sired by such noted herd bulls as Sea Foam, Blarney Stone, Royal Warrant, Imp., Roan Chief, Imp., Hillhead Chief, Irhp., Choice Archer, Imp., Archer's Sultan, ClipperMinstrel, Clanaman, Senator Lavender and others. Many of the pedigrees, too, are chock-full of Cruickshank, Duthie, Marr, Bruce, Anderson and Campbell breeding, malking up not only the atrongest lot of families we have breeding, making up not only the strongest lot of families we have ever offered, but the atrongest lot individually as well. Come and make the crowd representetive even if you don't buy. Wewant you
with us on November 7th. Wo will make you comfortable.

> Owing to the large number to be sold, the sale will start promptly at 12 o'clock; noon. Come on the evening of the 6th and look them over:

HARRY SMITH, HAY, ONTARIO

 CREEKSIDE FARM SHORTHORNS
 you need, we would welcome a vilift fom yout Write or 'phone, Visiou

## IMPORTED SHORTHORN BULLS

 WILLOW BANK STOCK FARM
 JAMES DOUGLAS, CALEDONIA, ONT:

## 1854 MAPLE LODGE STOCK FARM 1917


SALEM SHORTHORNS


## SPRUCE GLEN SHORTHORNS

of euch popular strains as Minas, Fame, Mio Ramoden, Fhorences, Emilys, ete.
Maple Shade Farm - SHORTHORNS
An importation consisting of forty-three head now in quarantine will be home about September $30 t h$,
Myrtle, C.P.R., Brooklin, G.T.R., Brooklin, C.N.R. Will. A. Dryden, Brooklin, Ontaite


 Robert Miller, Stoufiville, Ont.

 HOLSTEINS



## FEEDS

 $\begin{array}{ll}\text { Cotton Seed Meal } & \begin{array}{l}\text { Linseed Oil Cake } \\ \text { Corn }\end{array} \\ \text { Dil Cake Meal } \\ \text { Dligestive Tankage } & \text { Giten Meal } \\ \text { Vim or Oat Feed }\end{array}$ Bran Sanke Shorts Feed Wheat Beef and Bone Scrap Scratch FeedFattening Mash
Laying Ma
Mill Feed
If is anything in the feed line, we lave it.

CRAMPSEY \& KELLY Dovercourt Road, Toronto, Ont. Havab-Davies Fertilizers | Yita |
| :---: |
| Redu |
| Reut |

THE ONTARIO FERTILIZERS, LTD
R00नाएवर5
 Ti HALLIDAY COMPANY . HAMITION




## SILVER STREAM HOLSTEINS

 Pioneer Farm Holstein Herd With bif yeatly reards.and hikh average buterefat tost and
 Waibura Rivers, R. R. No. 5. Tngercoll, Ontarto. Phone 343LL, Tngersoll Independent Line.




 Record Breeding and Great Individuality are ombined in the
 T. T. w. Mcouben, otford Counts, TLLLSONBURG, ont Low Banks Farm Holsteins Fairvew Korndy kee Boy, our seniof herd dite iof


Questions and Answers Miscellaneous.

Securing a Hunter's License If a resident in the Province of Ontari wishes to procure a hunter's and traptario license, to whom should he apply fo
same? Ans.-Write Deputy Minister of Public
Works, Parliament Buildings, Toronto. Hay in Mow
How many tons of hay would there be in a pile 12 feet long, 8 feet wide and 5
feet high? A couple of tons of grair feet high? A couple of tons of grain
were stored on top of it for a while. N.S Ans.-It is generally estimated that 450 cubic feet of space. On this bau you would have a trifle over one ton.

Butter Does Not Gather.
We are milking two cows and have trouble to get the butter to gather
We have done everything we know of but the cream froths up in the churn and is somewhat bitter. One cow has been milking since last November and mentioned is giving a nice flow of milk What is the cause and remedy? Would saltpetre be injurious to cows? What quantity should be given.
Ans.-There may be vario. C.V. Ans.-There may be various causes
for the butter failing to gather. Holding the cream too long before churning would have a tendency to develop a bitter flavor and possibly the development of bacteria which would cause foaming culty with cows that have been long in milk. If possible give the cows succulent feed, such as roots or corn, although this should not be particularly necessary if on grass. Cool the cream before addin
it to the main supply and try pasteurizin before churning; that is, heat it to $135^{\circ}$ degrees or thereabouts for 20 minutes, and cool to churning temperature. Use a thermometer; the hand is sometimes
deceiving in determining the temperature of cream. If you could secure-a fresh cow the trouble would be lessened.
Even with the greatest care there is Even with the greatest care there difficulty in getting the butter to gather
when the cows are well advanced in the lactation. Saltpetre may be given to cow for certain ailments. Three or four teaspoonfuls would be a fair dose II
is not advisable to administer drugs is not advisable to administer drug
except for specific ailments.

Periodic Ophthalmia.
Will you publish in your paper the symptoms of periodic ophthalmia. Is contagious or hereditary? I have a discharges matter freely. When I open the eye there seems to be a scum over it, As far as I know he has never had sore eyes before. E. R B advise treatment
Ans.-The symptoms of periodic sudden and without apparent cause; the eye appears to be inflamed; the dullness of the eye spreads from the margin to the centre; the pupil becomes condened; inflammation may move from one eye to the other. It is a constitutional disorder arising from some cause acting primarily on the cons of tution and secondarily the ogaract and finally in total blindness. A simple ophthalmia which may be caused-by common cold or the lodgment of a foreign body in the eye, has symptomg the inflammation is probably more acute. The eyelids swell and there is secretion of tears. If the eyelid is turned up the conjunctiva will be found to be congest and covered wim rather dim and blue looking. The periodic ophthalmia is an inherited predisposition rather than contagious. For both the simple and periodic treatment consists in adm linseed ing a laxative as $11 / 2$ pints of raw
oil. stall excluded from drafts and direct sunlight. Get a lotion made os fluid grains sulphate of zinc, 20 drops fiud distilled water. Bathe the eyes three times daily with hot water and after bathing put a few drops of the lotion, into each eye. Recovery is very often slow so that treate

THE FARMER'S ADVOCATE.

## Dig your Ditches

to drain the marshes or irrigate the dry spot on your farm

With C.X.L. Stumping Powder It makes ditching easy and
enables one man to do the enables one man to do the
worlk of ten. Use C.X.L. Hove Cotite. Staumping bowder
 lobor. Sate ene tuan powder. There is bit monevin ineficiolural "Write todoy for oro Frree Book Conadion Eimplosive:



## CREAM

We are open to ouy cream both for churh-
ASE ANY SHIPPER
about our service and. prom
The fizures of yesterday may be roo
Low for to-morrow. We furnish cane.
The Toronto Creamery Co., Limited
Church Street

## Cream Wanted

Ship your cream to us. We pay all express We remit daily. We guarantee highest marguarantee
ket price.
Ontario Greameries, Limited London, Ontario

Manor Farm Holsteins
 CATISFACTION GUARANTEED Gordon S. Gooderham

## Record Holsteins


 calvese of liseser note and fermalea sull ages.
R. M. HoLTE HOLSTEINS



WM. A. RIFE

Over Development. Editor "The Farmer's Advocate": The article in your issue of Oct. 4,
"Be moderate in all things," by Allan
Me McDiarmid, seems to me one of unusual
interest. If interest. If the positions taken are
in accord with facts it appears that all in accord with facts it appears that all
our pe-conceptions, and the teachings
of several decades must be revised Much is suggested in the the article whisch
may not appear at first may not appear at first sight. Perhaps
most of us have noted the points cited most of us have noted the points cited
by Mr. McDiarmid, but have given little.
thought thought to the subuect. In our buss
every-day life on the farm we are apt every-day life on the farm we are apt
to take a great deal for granted and to do very little thinking or investigating.
Often we are but slightly congizant of facts, to say nothing of causes, principles
or conseauences. or consequences.
college have becen taught by platform and
that experter the press, and we feel that experience also teaches the we foctrine
of indefinite of indefinite progressive selection and
development in the plant and animal
worlds. Is not the same doctrine or hypothesis taught from the pulpit and in
theological schools?-Nay, even a larger theological schools?-Nay, even a larger
phase of the doctrine-the intellectual phase of the doctrine the inteltectaal
and moral development of man through
indefinite derres and cycles hopes to be disappointed, our aspirations
thwarted, and we ourselves to become thwarted, and we ourselves to become
degenerate and blighted like the potato cites instances of degeneracy in animal
cife lifife and states that "It is the same with
the human race." the human race." en "It seems certain
that the logical end of cultivation is the disappearance of the race, and the highe
the culture the sooner will be the If the civilized nations of the world do
not get back to more natural ways of living it won't be long until the less
cultured races will be taking their place. chey will all go the twayng of the the potace.
Thd for
and for the same reason.". The question and be asked, though. the logical end
may be and
may be as stated. is it therefore the may be as stated, is it therefore the
natural ends To put the question in
nother mods abnormal or unnatural development
rather than over-develonment? rather than over-development? The
writer refers to his positions as "scientific facts." We should agree, howeve
that scientificic facts are not always necessarily natural facts. Human science
may be false or not true to nature. But surely nature had not decreed that
potatoes should always be then potatoes should always be "plum-sized"
that the hog should always be razo backed, that the ox should forever retain
long d long horns and a shaggy coat, that the
horse should not by carefl, continued
selection and breeding become the beautiselection and breeding become the beauti-
ful and noble animal he is to-day, that man should remain, or degenerate into,
a pigmy or a savage! If such were the design of nature, obviously colleges,
teaching and professorships should cease or should hever have existed. The
"naked fisherman" should still "wash his masts," the human race should yet be cave-dwellers in physical deprivation, in
mental and moral darkness, witho mental and moral darkness, without
ambition, aspiration knowledge or hope I recoil from the alternative; I deprecate
the prospect. I am willing to take therisk of over-development of the race. There
surely cannot be such a thing as over developmes arit and plan of the universe, and the teaching of the Noblest of Earth's
Sons.
On the hypothesis, then, that over
development in normal or natural lines is even a possibility, the following appear
to be the logical and necessary inferences Bakewell, the noted originator of Short. horn cattle, instead of devoting his
genius and energy to the task of evolving this important type by means of systematic section and
specimens of native ong-horned
catle should have quietly smoked his pipe, leaving the Long-horns to perpe-
tuate their race, to flourish and endure in their native wilds. Chares colling
Booth Brothers, Bates, and others should Boove ofllowed his example. So should
have
Hug Watson, the first great breeder of Aberdeen-Angus, and the Tomkins family, originators of the listeror The
cattle, and so on through the lis early mprovers oth note rage and froze the genial current of the soul". Such men
as Sir John Sinclair, Lawrence Drew,
and John Paterson and the many of ess note
should have found other employment
than starting the native horse on his

## Complete Dispersion Sale OF 60 Head Registered Holsteins

The property of Cline \& Carroll, on Hamilton Road, miles from London, on
Wednesday, October 31, 1917
HERD is headed by Baron D. Fayne; dam, Daisy B. Fayne 2nd, at three years 520 libs. milk in 7 days and 23 libs. butter, Sire, Butter Baron, out of Butter Baroness with over 33 lbs . butter in 7
days. Some choice young heifers and bulls in the herd. Foundation cows from the best herds in the country. Sale at 1 p.m. Parties
from a distance met at Grige House, It from a distance met at Grigg House, London, up to 12.30, day of sal

DR. C. A. CLINE, LONDON, ONTARIO

```
Auctioneers: T. Merritt Moore, Springfeld, Ont.; J. Laidlaw, Wilton Grove, On't.
```

WEST MIDDLESEX BREEDERS' FIRST CONSIGNMENT SALE at Kettewell's Stable, Strathroy
OCTOBER 30th, 1917
40 Choice, Registered Holstein-Friesian Cattle

Consisting of the herds of Messrs. H. Tout and Merrick. A number of the cows have just freshened and a number of others soon to freshen. Clydesdales onithout reserve. There will also be sold a number of Terms of Sale:-Cash or time up to ten months, with interest at $6 \%$.

HARRY A TOUT, Secretary, STRATHROY, ONT.
UCTIONEER:-T. MERRITT MOORE, SPRINGFIELD, ONT.
HIGHLAND LAKE FARMS
Herd sire, A Only one other 41-lb, bull in Canada. lease) a won MAY ECHO SYLVIA, the world:
record cow. We have young bulls for sale whose two nearest dams (both Canadian champlons) average as hith as
35.62 lbs. butter in seven days; another whose two nearest dams are both 100-15. cowisand
for
 R. W. E. BURNABY (Farm at Stop 55, Yonge St. Radial) JEFFERSON, ONT. ROYCROFG FARM HOLSMEMFRIFNANS The home of Het Loo Pietertje, the world 's record junior two-year-old, and Mildred
Pietertje Abbekerk, the world's milk record four-year-old on the farm this year and we have young bulls of the same breeding. Get your next herd sire from a herd that is best by test. Regarding individuality-pay "Roycroft" a visit and see for yourself. Take Yonge Street cars from North Toronto
W. L. SHAW, Newmarket, 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 high-testing, large-producing R. of P. dams of Korndyke and Aaggie DeKol
breeding. Born during April and May, 1917. Apply to Superintendent.

SUNNYBROOK FARM OFFERINGS
A few choice yearling bulls and heifers. Fine individuals, beautifully marked and highly strained in the blood of the world's record cattle. 1 Clydesdale stallion, "Coming Star". Fine type, excellent breeding. Rising 5 yrs

J OS. KILGOUR, EGEINTON. Toronto Phones: Bel. 184, Adel. 3900. SUMMER HILL HOLSTEINS The only herd in America that has two stock bulls that the dam oreach has millked over 116 lbs. a day
and their average butter records are over 35 blbs. a week. We tave have heifers and young bulls to offer
by these sires, and out of dams just as well bred. We invite personal inspection. D. C. FLATT \& SON, - R. R. 2, Hamilton, Ont. Phone 7165 CLOVERLEA HOLSTEIN.FRIESIANS Stock for sale, all ages, from choice, high-testing dams-75 head to choose from. Our special offering
is a few choice heifers, due to freshen in September or October. Personal inspection is invited DUMFRIES FARM HOLSTEINS S. G. \& ERLE KITCHEN $\begin{gathered}\text { Grandsons of Prining - bulle from one month to one year old } \\ \text { Visitors always welcome }\end{gathered}$ EVERGREEN STOCK FARM - - Registered Holsteins



## 1680



Care of Milking Machines Newcerpts from an article in the "Implement

 OMEGA HAS NO RUBBER TUBES Short, transparent clluluid tubee take the
oliceof lons ribber ones. They do not deay



WRITE TO-DAY

## for illustred book te deceribing, the many exclusive featureo of the OMEGA.

C. RICHARDSON \& CO.

St. Mary's, Ontario
TWIENTY FIVE YEARS BREEDING Registered Jerseys and Berkshires

 provement
and
mpricee HODD FARM,

Lowell, mass.

## $4.079 \% \begin{aligned} & \text { Butter Fat was the } \\ & \text { average from } 971 \\ & \text { Ayrshirecows for } 1 \text { yr. }\end{aligned}$ warte w. STEPMEN, Secrutary

CANADIANATRSHREEBREEEERSSASS'

## Fernbrook Ayrshíres

 COLIIER BROS., Beachville, Ont.

Glencairn Ayrshires $\begin{gathered}\text { Herd established 40 } \\ \text { years. } \\ \text { Producing }\end{gathered}$

 Choice Offering in Ayrshires
 Jno. A. Morrison, Mount Elgin, Ontario.
CITY VIEW AYRSHIRES

$\left\lvert\, \begin{aligned} & \text { evolution into the noble animal he is to } \\ & \text { dayt For fear of over-stimulation and }\end{aligned}\right.$ evolution into the noble animal te is to-
dayl For fear of over-stimulation and
overdevepont the human race ehould
also have been left in their pristine crudity also ohave ebeen left ine theiman pristite crudity
and simplicity. The born intellectual and simplicity. The born intellectual
giants of the race shouid have crushed
theit giants or the race should have crushed
their earthborn, or shall II say heaven-
born, ambition for self-and race-im bravenent. Schools and seminaries o
pearning should neye her learning should neyer have been instituted
the great science of mathematics, which
has armed man with ench inderful powers, should not have been devised or formulated. By its aid man should
not have been enabled to navigate the not have been enabled to navigate th
oceans, to measure and weigh the earth
to erplone to expiore its continents
wealtho of lake, river, forest and fertile
soil. Neither throumh ribk of soil. Neither, through risk of over-
development, should he have presumined development, should he have presumed
to direct his gaze or his theughts to the glories of the midnight heavens, to scan
the stars or to calculate their magnitudes and interspaces.
Further if analogy rules in the cosmos
and we believe it does if if Milton was right and we believe ant doges rif if Milton was right
in his conception that "Earth is but the in his conception that "Earth is but the
shadow of heaven, and things therein shadow of heaven, and things
each to other like more than on earth is
thou each to other ilke more than on earth is
thought then, if the race of en exthen
liable or doomed to become extinct-to liabie or doomed to become extinct-to
blight as the potato and pass away-
hieaven, also, or the supposed potential heaven, also, or the supposed potential
higher state of man, is a myth, and the
theologies of the ages are false. Are we prepared to accept the hypothesis? WA.
Kent Co., Ont.
$\begin{aligned} & \text { W. WA. }\end{aligned}$

Sky-High Sheep Prices in England.
Emitor "The Farurr's Advocate"; Sheep prices are up all round again
this fall in Britain. Store (half-at) cwes of the Shropshire breed have been
ent making 100 shillingss to 108 shillings each,
as a gainst 45 to 50 shilling in as against 45 to 50 shillings in pre-war
days. In Kent the Romney Marsh breed. days. In Kent the Romney Marsi breed-
ing ewes are now selling at 70 shillings to ing ewes are now selling at 70 shillings to
94 shillings as against 64 to 77 shillings a year ago. Draft Dorset Down ewes
have made 76 shillings to have made 76 shillings to 82 shillings in
Dorchester Fair, a rise of ten to twenty Dorchester Fair, a rise of ten to twenty
shillings on the year. Dorsets, however, shillings on the year. Dorsets, however
there have realized 88 to 113 shillings; there have reaized in twelve months;
another big jump in Cross-bred ewes at Ayr have risen 5 shillings per head on the year.
Oxford-Down stock ewes at Hereford
have cost 105 shillings apiece. Shrophave cost 105 shillings apiece. Shrop-
shire breeding ewes offered in Shrews bury have fetched 115 shillings apiece, and so the great, big game goes on.
Southdown grass-fed rams just marketSouthdown grass-fed rams just market-
ed in the ordinary way have made 9 ed in the ordinary way have
guineas each at Ashord in Kent.
and Euninasolnch Lonswool rams make big money
Lt our ordinary sheep fairs- 28 guineas at at our ordinary sheep fairs-28, guineas at
Brigg for one of $G$. Spiman's, and 27 Brigg for one of G. Spiman s, and
guineas for one of W. B. Swallow's. At Sleaford one of F. Money's realized
$\ddagger 464 \mathrm{~s}$. E. F. Jordan's Leicester rams in Driffield market made 20 guineas, and fifty of Hobbs' Oxford shearlings at Northampton realized an average of L16 each. Thus do British farmers
get rid of their well bred sheep stocks get rid of their well bred sheep stocks at
ordinary country market sales, without boosting or spending a cent on advertising. Lord Barrymore has been getting 19 and 17 guineas each for his Shropshire
rams in Ireland, where G. R. Acheson's Roscommon sheep have made 16 guineas. Some extraordinary prices were made at Otham in Kent, on September 26th,
where J. B. Betts'flock of Romney Marsh sheep, 608 strong, were disposed of for Yearling ewes averaged 612 each; oneYearb eeves the same figure, two-lamb
lewes $£ 11$; flock ewes $£ 5$ 16s.; ewe lambs ewes $£ 11$ flock ewes $£ 5$ 16s.; ewe lambs
$£ 5 ;$ yearling rams $£ 14$; stud rams $£ 32 ;$ £5; yearling rams 614 ; stud rams $£ 32$;
and ram lambs 64 each. The main buyers were representatives. of big sheep
runs in the Falkend Jslands and the Argentine. It was good, however, to see that a R. Wright was buying for Patrick, Iderton, Ontario, Canaca, and it would
be a good move if Canadian farmers would take more of these Romney sheep.
They are hardy rustlers and thrive on They are hardy rustlers and thrive on
the marshes of Kent which at some periods of the year are bleak and not
too well clothed with grass. Patrick's buyer got lots of five yearling ewes at 28 guineas, $121 / 2$ guineas, 11 guineas, 19 guineas and real classical studies of mutton mould
and beautiful fleces. The Argentine and beatiful "fleces. The Argentine
buyers were "after". the yearling rams buyers were after the yearing rams
and paid up to 75 guineas for one. Albion.


## AUCTION SALE OF PURE-BRED STOCK

Under instructions from the Minister of Agriculture there will be held at the
Ontario Agricultural College GUELPH, ONTARIO ON THURSDAY, NOVEMBER 1st, 1917
A Public Sale of Surplus Pure-bred Stock belonging to the Ontario Government and comprising Shorthorn (Beef and Dairy), Holstein, Jersey and Ayrshire cattle; Yorkshire and Berkshire Swine.

For catalogues apply to
A. LEITCH, Ont. Agricultural College, GUELPH, ONT.



Glenhurst Ayrshires For 50 years F have been breding the great
 1 te 10 mont me of age females all ages. If this, Williamstown, Ont.
James Benning, RAVENSDALE AYRSHIRES
We have a number of erceptionally good bull as well as a choice lot of young helfers that wail
ofiter at present. They are all sired by Auchinnim Offer at present. They are all sired by Auchenbrain Sea Foam (Imp.) or cherry Bank Fair
Itu13.
Ravensalale can also spare a few young sows with the best of type and breeding. Come and

 WOODVIEW PARM The foundation of this herd BEAUTIFUL JERSEY MERD

 Young BRAMPTON JERSEYS Bulls


October 25, 1917


CHAMPION OXTORDS OF AMERICA Summerhil Stock Farm
For size, quality and breeding, our Oxfords cannot
be excelled. Our flock has won the Chicago championship yearly, since 1010 and the cham-
plonghipat at all the leading fairs of Canh da sice
the fock was established, in 1879 . We have for
 us know what your requirements are. Price
reasonable. Peter Arkell \& Sons, R.R.No.1,Teeswater, Ont.
H. C. Arikell, W. J. Arkell, IF. S. Arkell. SOUTHDOWNS




 Leicesters, Shorthorn Cattle,



 SHROPSHIRES

When writing please mention Advocate

THE FARMER'S ADVOCATE
What the Woodlot Means to the Farm. Woodots on the farms can be made
an inportan ficeor in the relief of the
threatened thel
 situated within hauling distance of wood
lots should lots, should, as a measure of practical
patriotism, use wood in preference to coal. Few farmers realize the value of the
crop which can be obtained from their crop which can be obtained from their
wood lots. If even a small prooortion
 devoted to the protection and improve
ment of the "busk a good financial return could be secured. Aside from
its value in affording Protection ano its value in afrording protection against
wind and storms, its mportance in the conserationorms, sois mportance in the
aesthetio moo soil moiture and its aesthetic value, thin wootloure and and its
siderable value fow the has siderable value for the crops wiich
can be harvested from it can be harveted from it every year at
a minimum expense. It should have a
pice place on every larm.
armen
Live stock should be excluded, as they destroy the natural reproduction
injure the larger trees and pack the soil injure the a arge tres and pack the soil
sothet he erowth of the trees is retarded.
Deser
 removed frrt; then those of poor form,
such has very crooked or very branchy ones which interfere witit the growth of better-
formed neikb bors. The Iormed neighbors, The trees of the
less valuable species such as dogwood les valuabe species such as olowwod,
ion reood and horbeam should then
ben be removed. Every effort thould be made to secure natural reproduction but, ift that
be imposibibe, planting will be found be imposible, planting will be found
profitale. The ted dercy has been to encourage
the growing of soft-woods suitable tor lumber; such as pine, spruce end and ectar -but the function of a Iarmer's woodiot
is better fulified by producing hardwoods is better fufilied by producing hard dwoods
for tuel Thi fhe ' wuel value of one cord of several
of the common kinds of wood is evual to of the common kinds of wood is evalal to
the following quantities of anthracite Hickory and hard maple 1,800 $2,1,758$ of coal; white oak, 1,540
to 1,75 bs. of coal, red oak, black oak and beech, 1,300 to $1,450 \mathrm{lbs}$. of
coal; poplar, chestnut and elm, 940 coal; poplar, chestnut and elm, 940
to $1,050 \mathrm{lbs}$. of coal; pine, 800 to 925 lbs .
of charefire, hardwood is worth, the the
the owner of the woodlot, from 86.00 the owner of the woodlot, froms 86.00
to so.00 per cord, as compared with coal at $\$ 10$ per ton, plus the cost o
hauling it out to his farm hauling it out to his arm
manently, it should not exceed the annual growth which, in unmanaged $3 / 4$ cord per acre. This production can be considerably increased by careful sidered as similar to a savings' bank
account from which the amnual interest account from which the annual interest,
represented by the growth, may be taken represed or allowed to accumulate. In the
out drawal the woodlot, how as to greatly benefit the condition of the stand and improve its productivity. the various provincial forestry organiza-
tions have done much to encourage farm tions have done much to encourage farm sistance. The Dominion Government distributes annually between $3,000,000$
and $3,750,000$ seedlings and cuttings among the farmers of the prairie provinces. In Ontario, the Forestry Branch
of the Department of Lands, Forests and Mines also supplies seedlings for planting in fraig, in The Forestry Journal.

Questions and Answers Miscellaneous.

Wheat Prices.
What is the definite price set for wheat? What price can a farmer demand at the Ans. The price of wheat set by the for No. 1 Manitoba Northern, and No. Alberta Red, basis Fort William and Port Arthur. This is the maximum price for that grade; lower grades of wheat
are lower in price. As this is the maximum are lower in price. is not in a position to demand a stated price from the miller butas a rule when a maximum price isset the price which the farmer receives is in
that neighborhood, depending on the quality of the grade


Southdown Rams for sale Shropshires and Shorthorns
 thd Ottawe this fall. Also one pair of choice Fot description and prices write:
HAMPTON BROS. Elm View Oxford Downs
 Rell Phone, R. R. 3, Fergus, Ont.| Bruce A. Mckinnon, or write Hillsburg, Ont

## LINCOLNS

C. NICHOLSON



TATION-BARNETB Y
ANOKA FARM SHROPSHIRES won 11 firth two champlons at Toronto, 1916. War conditions prevent an extensive
chibtit the yelr, but can oupply rams and ewes of name breding at breders prices
F. W. Gurnes, Paris, Ont, Brant CO

## FARNHAM OXFORD DOWNS


"The Maples" Stock Farm-R. S. Robson \& Son, Props., Denfield, Ont.

$\qquad$
Lakevien Yorkhire sivo potives $\mid$ Yorkshires and Oxfords of the greateat strain of for enereation binderellia) me. Jouns ows bred and boars ready for evice
JOMN DUCK, PORT CREDIT, ONTARIO Polands, Durocs and Berkshires Young atock at all times, both peres and all aes. Cocll Stobbe.
$\qquad$ Pine Grove Yorkshires Bration, ont



## Yorkshires

Young sucking pigs, both sexes; also young sows. WELDWOOD FARM Farmer's Advocate
LONDON, ONTARIO

Pedigreed TAMWORTHS


Founded 1866
Questions and Answers. Miscellaneous.
Weeds
ary to cut yellow dock 2. Are the following to kill them? ellow dock, golden rod and bucthorn? bushel of sugar. beets for feeding? Ans. 1. Cutting below the crow alt on the crown will dest handful 2. Yellow dock and golden rod are perennials, and buckhorm may be either 3. There are 50 pouncls in a bushel

Trapping and Hunting.
Have I a right to trap on any person's
lace when the owner savs that I can? When does the trapping season open for
skunk, muskrat, woodcock, weasel, and Ans.-Section 9, sulb-section 2, of the no person shall hunt or trap fur-bearing of a license, but this shall not apply o tarmers or farmers' sons trapping
on their own lands." The muskrat eason for territory lying South of the
rench and Mattawa Rivers is between the first of March and 21 st of April.
The season for woodcock is from the 5 th day of October to the 15th day cannot find in the Game and Fishery or skunks, weasels or lyns.
Dividing Profits.

Dividing Profits.

$\qquad$ help. Une farm is worth about three would the the fairest way to divide the Ans.-. Kor knowing the system of $t$ is difficult for us to give any basis
of division. If one farmi actually pro-
luces three times as much as the other, t would appear on the surface that his farm produces, or, in other words, hree-quarters of what is produced on
he two places. However, the matter of labor would have to be considered as handling the larger crop than with the maller one. It is pretty hard to divide is such unevenness in quality of land.
On the other hand, while the one farm may be worth three times as much as farm might furnish as good pasture or without knowing more particulars about

Digesting Different Feeds.
In different publications I have read antlicting information relative to the
time it takes a horse to, digest roughage and grain. Some claime that hay and strau should of ed of of the stomach more quickly than grain, while others state that oats
that digest more quickly than hay. How long
does it take to digest such feeds as whole does it take to digest such eects middlings,
oats, chopped oats, bran, mer cats, chopper oake, haty, straw, mangel's, silage, etc.
R. J.E. Ans.-It is generally understood that
concentrates are more cuuickly digested ancentrates are more quickly digested
than roughage. We cannot give the exact time that it takes to digest the feeds mentioned, but material ine on
cake is much more quickly absorbed in cake is much more the system than coarser feeds. Mangels being a succulent feed,, are more quickly broken down and digested
The concentrates mentioned, owing to their nature, would not he as hard
digest an the rough feels. One reas or given why it is advisalle to feed hay or
some roughage before grain is that if the grain were fed first the rough feed would
have a tendency to force the grain through have a tendency to force the graim process
the digestive tracts hefore the . This is because of the comparative smallness of the horse's stomach. (irain contains is
more energy than roughage and it is more energy than roughage and il

"nack" for doing the best work. They are simple in design, durable and E. BISSELL COMPANY, Ltd., Elora, Ontario

When stubble land is too hard to plow, use a Bissell Disk. It stubble land is too hard to plow, use a Bissell Disk.
make plowing easy after disking-it will clean the ground and will increase the next crop.

Gossip.
Ayrshires and Yorkshires at MeadowReaders vale. Readers desiring to purchase a few
high-class pure-bred Ayrshire females or a young bull of sterling quality and breeding should consult the advertisement of Jas. B. Ross of Meadowvale, Ont. appearing elsewhere in these columns. The senior and chief sire used in Mr Snow King, first-prize two-year-old bull this year at the Canadian National He is one of the strongest young bulls breeding is also of the best. Through his dam he traces to such noted Ayrshirre
sires as Lessnessock King of Beauty, Dainty Lad of Elm Shade, etc., while
on the sire's side he is a grandson of Garclaugh Prince Fortune, which is
closely related to the world's champion closely related to the world's champion,
Garclaugh May Mischief. Much of Garclaugh May Mischief. Much of
this 'young stock that will be coming by this sire and his own high-testing dams, and these must be seen to be best appreciated.
In Yorkshire pigs 'there is always a
nice selection in Mr. Ross' pens. They nice selection in Mr. Ross pens. They
are of the improved type, mostly got by Featherston-bred boars, and just
at present there is a varied choice in at present there is a varied choice in
young boars nearing serviceable age, as young boars nearing serviceable age, as
well as a few young sows already bred and others younger. Let him know your wants.
Address J. B. Ross, Meadowvale, Ont.

Shorthorns at Pleasant Valley
One year ago, as in many years during a great array of breeding matrons at noted Shorthorn herd that bears that
name. In this last year, however, there has been advancement. In fact, there whole Dominion whose progress during whole Dominion whose progress during
the past twelve months has been more
rapid. Besides those great, mature, breeding cows that have produced so many champion winners for Amos \& Sons in
the past, there has been added, some of the past, there has been added, some of
the best imported and Canadian-bred females that have passed through the
sales this year. When seen recently sales this year. When seen recently
by the writer they, with the older members by the writer they, with the older members.
of the herd, made up as strong an aghope to find in any herd of equal size on this side of the Atlantic. Eight of
the imported females referred to were the imported females referred to were
purchased at the great Mitchell sale, and four of these had calves at foot readers will remember them as one of the strongest purchases made by any one
Canadian firm in years. The purchase amous young imported sire, Newton Grand Champion at the same sale will also be remembered. He is a straight
bred "Clara" got by the noted Scottish Village Clara is the dam of a humber several of Scotland's highest-priced bulls.
Newton Grand Champion was conceded Newton Grand Champion was conceded to be one of the best yearrings that left
the old country in 1914 and also by many the old country in 1914 and also by many
to be one of the best "buys" of the Mitchell dispersion. He should have $\begin{array}{ll}\text { a wonderful } & \text { future in the Pleasant } \\ \text { Valley herd. In referring to families }\end{array}$ individuality. All the more fashionable ones figured in the herd a year ago and the selections made since then have
brought in Mysies, Marr Mauds, Broadbrought in Mysies, Marr Mauds, Broad-
hooks, etc. Of the 1917 winnings at both Toronto and London, full reports have appeared in the show reviews given in will be noticed, however, that most of the entries were in the younger classes
only, nearly everything of which was bred on the farm and with very few exceptions all were found well up in the
money. Several of their very strongest things, were the young bulls shown, a and make up one of the strongest offerings we know of in Ontario to-day. If you
are at present interested in making a choice selection of breeding Shorthorns
it would be well worth while either to it would be well worth while either to cor-
respond with Messrs. Amos \& Sons respond a personal visit to the farm.
make
Their advertisement may be found elseTheir advertisemen
where in this issue.

What a Price to Pay for the Lack of Sarerooring


CUHSTRAPS Aninal Bait anall TRAPPTERS
and SPORTSMEAY'S
 (d)hnfallain TTTEFWAD "STICK LIKEABULI-DOG"
ORIGINAL RUBBER PUTTY Tite wad will vulcanize Auto Tires, Inner Tuben,

Rubber Boots and Hot Water Botlee. No toole | necesary, Guaranteed to natiofy. Order a Boc. |
| :--- |
| tin by mail today, postpaid. Dep.t. D. |
| E. Schofield. 43 Victoria street. Toromto. | RAW

good demand. Send
your name NOW. FURS List and tags free. C. H. ROGERS

Walkerton, Ontario
PATENTS Trade Marks and Destene - Special attention given to Patent Litigation. Pamphet sent free on aplication
RIDOUT\& MAYBEE Clidp
TORONTO,ONT


Your District Representative Wants to Work With You
graduate of the Ontario And hicultural desire A College,
he is familiar with the science, and having ben he ir familiar with the science, and having been of farming. He is the comnecting link be ween
the farm and the various branclies and institutions of the Ontario Department of Agri-
culture. He is the Practical hired man one cuiture. He is the Practical hired man of the
community and he may save you many dollars. It costs nothing to give him a trial.
Forty-seven District Representatives in the Province of Ontario
freely offer their services to every farmer in lines listed below. THEY ARE ALWAYS
READY. Write each at harie READY. Write each at his office, call upon
him personally, or telephone him. He has an

Bringing Dollars to Your Farm RIGHT IN YOUR FIELDS the Representa--
tive will work. He will survey your lands for drains; give information and practical demonstrations regarding: the control of blight and
scab of potatoes, the formalin treatment for scai of potatoes, the tormalin treatment for
grain smuts, the coutrolby spraying, of mutard,
the identifificition and control of insects and funhe identification and control of insects and fun-
gous diseases affecting field crops and orchards,
he practical gous diseases afecting ield crops and orchards,
the practical value of commercial fertizers,
the most approved methods of cultivating, pruning, spraying and general care of orchards?
HE WILL, in fact, SECURE FOR YOU THE INFORMATION YOU DESIRE CONCERNING ANY METHOD, QUESTION OR
PROBLEM RELATING TO FARMING IF IT IS TO BE OBTAINED -free of charge. ORGANIZING THE COUNTY is part of his work. If you believe a farmers' 'llub frruit growers' association, ploughing matct, co-operative egg of buyngoreveline any kindat of goord or purposee,
breeders club lo loal fall fair, standing field crop breeders club, local rall fair, standing field crop
competition Board of Agriculture or any competition, Board of Agriculture or any
other organized body is required in your comother organize bydy is required in your com-
munity, write our District Representative munty, write your District Representative tion upon a firm footing.
HAS THE LABOR SHORTAGE prevented you from attending an Agricultural College


## Short Course? Then see your Representative.

 He will organizize a short, course in in tock judging He will orgaine a short course in stock judgingor seed judging and in scientific, yet practicat, allicultural science or domestic sciene which
afle me MAY RECEIVE THE BENEFITS OF A COLEEGE SHORT
COURSE THEREAT, WITHOUT LEAVING YOUR TOWNSHIP.
IS SPECIAL INFORMATION desired in your comminity upor any particular phase of If so, your Representative will arrange for public lectures to be given in your community on any of these subjects, Beekeeping, poultry
raising, seed selection, special cops, fertilivers raising, seed selection, special crops, 位tivizers in fact, will be discoused. Write your District
Representative abut it Representative about it.

## ARE HIRED MEN SCARCE? Your

 District Representative can help you there, too.He is an agent of the Ontario Labor Bureau and cal, perhaps, put you in touch with the very man you are looking for.

## Young Farmers To-day-Leaders

 To-morrowRURAL DEPOPULATION BEGINS in the wrong attitude of mind in the child, The
rural school fairs conducted by the District rural school fairs conducted by the District
Representatives are organized to correct such an attitude. They give the child a new point of interest and a greater enthusiasm for the
farm and farm life. Incidentally they serve. to introduce the best varieties of grain and most profitabie strains or pouitry on the farm and also become the big nicnio day of the townshis Write your Representative for full particulars. YOUTH IS AMBITIOUS the young man and the young woman naturally wishes to learn, to discover new facts, and to practice them in a way that will command attention the time to attend the O. A. College or the Macdonald Institute at Guelph. THE REPRESENTATIVE GIVES THESE THEIR CHANCE, Courses in agricultural science
of from four to six weeks are organized every year in each county where a representative is stationed, which all young men in the district
are invited to attend, free of charge. Similar
courses in domestic science are being provided for young women. Every young person in these 47 counties and districts should make full enquiries NOW regarding these valuable courses to be held this winte
cultural leader To enable them to help themselves most efficient ly an organization for them has been provided.
Each year the students of the shor girls and boys-are. organived into definito societies to help themselves socially, educational Jy and financially. Watch this movement Our Ontario Junior Farmers Improvement
Association is exerting an ever-increasing Association is exerting an ever-increasing in-
fluence in the province.
BUT APPLICATION OF KNOWLEDGE is the true test of educational efticiency, urge knowledge gained at short courses stands the
test. Every-year these youns in profit competitions in which the principle taught at the courses are tried out in practice Groups in each county compete for the larges
profit in growing an acre of various field crop profit in growing an acre of various cied crop
in feeding hogs, baby beef, diriy cattle and poultry. Home garden contests are also organ ized, while a big inter-county live-stock judging feature. Ask your representative about it.

These are Some of the Ways, Not All in which your district respresentative ddesires
to co-operative with you CALL AT HIS OFFICE. It is conveniently located, well furnished and equipped and has an excellien reallets authritative tert polto the and the best farm journals. You may hold agricuitural organization meetings or others of simila nature upon request and free of charge. Demonstration material there may interest you assist you in your field operations. YOUR VISIT WLL BE WELCOMED AND I WILL PAY YOUU. When witing or visiting full information regarding the exact nature of

## Ontario Department

 of AgricultureParliament Buildings TORONTO

Sir Wm. H. Hearst Minister of Agriculture
Dr. G. C. Creelman
Commissioner of Agriculture
 - Call at Hils Office and get acquainted


[^0]:    drying after cleaning. Cleaning will remove a large
    per cent. of the bacteria and much of the food for their per cent. of the bacteria and much of the food for thit
    growth. Application of steam for thirty seoonds very few, but It will supply heat to dry the utens
    which prevents bacteril which prevents bacterial growth so that there will
    practically no more present twelve hours later than fol minutes after washing the utensils.
    Much emphasis has been laid upon thorough clem-
    ing of utensils, and rightly so, but the ing of utensils, and rightly so, but the process of drying
    is equally is equally important in warm weather. Drying should
    not be done with a cloth, but by heating the utensils in not be done with a cloth, but by heating the utensils in
    hot water or steam sufficiently to evaporate

    1. Reneral recommendations for the care of utensils are:

    Rinse in lukewarm water as soon a fter as sposible
    Wash in hot water containing washing powider which will remove grease. 3 . . Rinse in clean, hot weter and plaee in live steam fifteen seconds, drain and
    right side up until steam evaporates. On the farm

