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## [HFDTi Install A Modern* Furnace

## One With Latest Features, And Built To Last

## C

 ONSIDERING its extra weight, the superior quality of the materials, the skilland experience put into Sunshine furnace is the cheapest furnace the market. You get more value for every in any other furnace the Sunshine than you do in any other furnace.

McClary's Sunshine Furnace is the product ${ }^{\circ}$ of the largest stove and furnace makers in the British Empire. It has labor-saving, healthproducing and fuel-economizing features-the result of long experience-that no other fur-
nace has nace has.
It has, for instance, the "rocking-down" system which eliminates the old-time backbreaking, dirty shaking. It has a conveniently located water-pan over the fuel door. It has falling ashes dust-flue to prevent dust rom almost straight-sided fire-pot to prevent ashes forming "pockets" and deadening the fire. And some coal-economizing features our agent will be glad to tell you about.
But, too important to overlook, is the fact that the Sunshine furnace is built to last. The is tested are the best, and on the inspected, too. Nothing is left to chance,
As an example of the quality of materials used, take the fire-pot. This is of semi-steelsteel is not affected by sulpherpots. Serniburning coal. In addition sumes from weighs twenty per cent more than the sat size and pattern in gray iron.

But that's not all. The fire-pot is in two pieces to prevent it cracking from extreme expansion or contraction, One-piece, fire-pots
are continually cracking, having to be replaced. Then take the grate bars. Those on thed. Sunshine are very heavy and have three sidesthree lives. By exposing a different side to greatly prolonged days, the life of the grates is greatly prolonged.
Examine the dome, too. It is of heavy steel, as is also the radiator. The frame of the ashpit, the doors on the furnace, the casing every part of the furnace is of the most durable material. All joints are accurately fitted cemer, and rendered dust-tight by a special cement originated by McClacy/s.
Last, but not least, the McClary Company place the services of their corps of experienced installation men at your disposal. These men will assist you and the McClary agent in your locality to plan the arrangement of your heating system. They will also co-operate with you in your fuys to insure the proper installation of you
Furthermore, the Sunshine furnace is guaran teed to heat your house to your satisfaction, if installed according to the directions of the McClary experts. You therefore run absolutely no risk in having one installed.
Send your name and address to our nearest office, with particulars about the size of your house, and we will tell you about how of your will cost to install a McClary's Sunchich your home. The latest Sunshine booklet is also free on request.

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MAIL CONTRAGI SEALED TENDERS ARDRESSED TO at Pottawa until nainal, will be received 19th day of September, 1913 , for the convevance of His Majesty's Mails, on a proposed contract for four years, six
times times per week, over Gliencoo (north
rural route, from the Postmen eral's Pleasure, next.
Printed notices containing further in Cormation, as to conditions of propoeed
contract, mas be seen, and blente of tender may be obtained at the porm Offlese of Glencoes, and at the office of
the Post Offco the Post offce Inspector, London. G. C. ANDERSON,
Post Olice Department,
Mail
Mail Contract Branch,
Ottewa, 8th August, 1918
dy mery

## MAIL CONTRACT.

 SEALED TENDERS ADDRESSED To at Ottawa untill noon, on Frideay, the 19th day of Soptetomer, 1913 Friday, theconvegance of His Mhat onveaynce of His Majesty's Mails, on a
proposed contract for four yeara times per week. over Gleaccoe (StrathPorn and Alliance) rural route, from the Postmaster-General's Pleasure.
Printed notioce formation, notios to containing furthar incontract, may be beontions on propoposed
of tender may be obtained of tender may bo obtained at the Post
omices of Glencoe, Strathburn Oflcos of Glencoo, Strathbur $\begin{aligned} & \text { and } \\ & \text { Alliance, and at the office of the Post }\end{aligned}$ Offce Inspector, London. $\begin{gathered}\text { C. C. ANDERSON, }\end{gathered}$
Post Office Department,
Mail Contract Branoh,
Ottawa, 8th August, 1913
Make Waning-Taep Clian mith Confors

ture the be beth tub astray by others. We mave heard we manuac-
 manufactured in Canada by Canadiant:
backed by Camadlan capital, and carries the
five-vear WWe have placandee. thousands ofitubs in Canalian
homesthis year, and have yet to find dia dissatisified
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contest in Watetroo County. Pure and free froin
all weeds Sl s. GEO. R. BARR1E $\begin{gathered}\text { R. R. No. } 7 \text { Galt, Ont } . ~\end{gathered}$

## Burned to the Ground AGAIN BT Steel Stalls Uninjured <br> Two years ago, a barn was built on the Boys' Farm

and Training School, Shawville, P.Q., and fitted with 30 BT Steel Stalls and Stanchions,

In April, 1912, it burned to the ground, leaving only the cement floors, walls and BT Steel Stalls

Mr. Matthews, Prinicipal of the School, writes: "I am very glad I put in your Steel Stalls. One dollar makes them as good as ever after the fire.

The barn was rebuilt and the same Steel Stalls used again.

We wrote for photos of the barn in July of this year, and received the letter, copy of which appears low.
This letter and the photos tell the story better than words. They prove beyond question that the BT Steel Stalls are fireproof,


Mooors Beatty Broas
Forsus ont.

Dase siro.
an herias printo mate so you coostro of um photo-


 tith the pornisation of the Direotare io going to uob the caem otanohlont agetin - they hevo boon througem stre twice yot aste at sood now, oxoept for a for repleommento at mon wo put thom tid firot. Fill you ploeeco mpply us vith the sper nese otoo 021
 the otenohlone oc they are now estor thois cooons fire.
supt.

## B'T <br> Steel Stalla, Stanchions, Pens. etc.

Just $\$ 1$ to cover the cost of a few Stanchio new after the second Steel Stalls as good as And these same stalls, after passing through two fires, are being used again in the new barn. BT Steel Stalls will make your sta ble prathically indestructible. Nothing to bur n ,
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Then there is the great saving of time and labor, which counts for more in summer than at any other season and often alone saves the cost of the separator, aside from all its other advantages.

This is likewise the season when DE LAVAL superiority counts for most over other separators,-in close $\begin{aligned} & \text { skimming, } \\ & \text { larger capacity, easier running, easier hand- }\end{aligned}$ ling, easier cleaning and absolute sanitariness.

A DE LAVAL Cream Separator bought now will easily save its cost before the end of the year, and it may be bought for cash or on such liberal terms as to actually pay for itself.

Look up the nearest DE LAVAL agent at once, or drop us a line and we will have him look you up.
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"The $4 \mathrm{~h} . \mathrm{p}$. Jack of all Trades engine bought of you 3 years ago is still giving good satisfaction. So far I have had to pay only 35 cents for repairs."-A. Cameron Hay, Dufferin, Ont.
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may be a little greater than some engines you know of, but when the expense of upkeep is added to the purchase price-this constitutes the real cost-a Fairbanks-Morso Farm Engine is the most inexpensive you can buy.
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Vol. XLVIII

## EDITORIAL

## nany districts.

The ground may be hard, but don't neglec the after-harvest tillage.

Moving pictures are now to be one of the "home comforts" of Atlantic liners. What next?

The drier the weather the greater the import ance of keeping the top soil stirred to retain moisture.
Plan a holiday or two and attend your nearest large exhibition, and at the same time do not forget the county fair.

A good many cows can put more water than is absolutely necessary in their milk themselves. No one need add any finishing touches to the job. It is not good policy to depend upon dry
weather alone to kill weeds, but it aids greatly wheather alone to kill weeds, but it aids greatly opportunity is afforded is given. Right now an ber of these is aforded to get rid of a large numr of these pests

Reports come to hand almost every day telling Packers will need of apple scab this season. or Ontario fall, never pays to wrongly tain ather set-back. never pays to wrongly label anything

None are too old to learn. It is the man who
watches those of others as well, and profits methods, but takes made that usually and profits by, all the misIf your neighbor's crop was the great success, why not find out the reason? He will likely be glad to explain his cultivation.

Press reports often seem to indicate that our country is being overrun with weeds, and is be-
ing sadly ing sadly negiected because of the scarcity o farms are operated as they would be if men were more plentiful, but where are there to be found better crops, taking one year with another than ight the men whe andere plentiful, deal of who farming to-day deserve a great duced improvement, and it behoves us all to do our

We recently heard of a man who refused to and would any recognized agricultural authority cause the said trat he already knew more than ary college-trained agriculturist or writer for farm papers. It is a sad state of affairs when a man allows himself to believe that he has mas ered all the difficulties of agricultural operations of all hinds. No man, no matter how extensive olleye parchments he holds, has yet mastered all the dotails of agriculture. Each day brings some thing new, and it is the man with open mind fully who is most ideas and weigh them caresucem of his most likely to male the greatest

LONDON, ONTARIO, AUGUST 14, 1913

Know Farming and the Farm Before Buying. One of the most widely circulated United States weeklies, recently gave a little good advice ical city man who, with absolutely no pracas experience, contemplates entering upon life enter with an agricultural college and fill his mind did it recommend of agricultural practice, neither it happenerd to have buying hastily a farm because the lawn was nicely good advice'? Simply this But what was this country : keep your this: go out to 'the select the farm which seems to suit and then, if possible, hire with the farm for a season, and learn something about the back end of the place as well as of the front If the farmer does not care to give more than board for such work es the urban man is eble to do, he should stay with him just the same, and the journal in question, advised paying for board in pireference to buying the farm without some knowledge of the occupation, and of the particular farm selected.
Advice has been broadcasted throughout the length and breadth of our land. Newspapers, public speakers, and even governments have been urging a "back-to-the land" movement. Such a campaign must eventually be effectual in moving ersant countryward, but the man not conland and it rural morstanding takes preces successiul operation, is, unless h of his undertak, very likely to, be soon sickened and beautiful outlooks may lawns, nice drives, eye, and, while theys may be satisfying to the form an important part of (if at all possible) they are not the most important by a long way. What should concern the chaser inost is how the farm is adapted to pur duce greatest returns from the particular crop crops which he chooses to grow, be they grain live stock, fruit or special crops. The best way in which to be sure of this is to work on the place a season or two. Working as hired man mav not seem profitable at the time, but it will generally prove its value in the end. In this way an intimate acquaintance with the characteristics of every field on the place may he had. The land with the cold. sour bottom in need of underdrainace cannot be hidden for a season ; the harl clay knolls will show their nature: the weed pests of all seasons may be studied, and all the excellencies and shortcomings of the 'place are made known to the prospegtive purchaser.
It is not always and perhaps not often possible to hire to the man who wishes to sell, but it is, at least, possible to hire out or to obtain oard ou some farm. and here, perhaps, is the the valuable consideration in connection with the undertaking. It is a working knowledge of success whether the probsolutely essential to success. Whether the prospective purchaser infor him. it is necessary the hire others to do it of how thincs should be done, and the 凹ood idea sary to do them. This practical knowled can not be obtained anywhere but, richt down en farm actually engaged in the work. Agricultura colleges cannot teach practical farming to a who never saw a farm. Neither can books and periodicals tell him how to hold a plow. True,
ther mas help, but practical
foundation upon which all this superstructure must be built. Get the practical knowledge first, and then supplement it with all the college fraining deemed advisable. It would be just as oolish for the manager of a departmental store to quit his work and go and buy a farm for his employment without first knowing a few of the ins i and outs of farming, 'as it would for a preparation for the work, attempt to manage the preparation for the work, attempt to manage the
departmental store. No matter what the buat ness, it is necessary to learn it before attempting to manage it. It was good advice then when the paper previously referred to told its reader to know farming and the farm before purchasing. Better spend a year or two learning the game and be happy ever after, than jump into it in a day to be sorry until your dying day. There is room on the farms of the country for thousands more. Intensive agriculture is gaining ground, but no business is helped by failures or dissatisfied participants. Know what you want first ; then tackle it with a vigor which must eventually
reap a rich reward.

## Water Supply and Milk Flow.

In the purchase or lease of a farm for dairy purposes, an abundant and continuous supply of good water for the herd is a first consideration. It is important for the healthy maintenance of the avimal, more so probably than is commonly supposed, if inferences may be drawn from recent use of drinking waing the desirability of the freer of summer plenty of water is. During the heat what is so freely given oft in perspiration a winter ration or supplementary summer As one of the chief benefits of silage is due to its succulence,-the moisture lacking in cured fodder or in the brown pasture grass. Even though knee-deep, which it is not likely to be, the latter does not keep up the milk supply. We remember how well the cows milked on the juicy June grasses, but they are gone now, and, in 1 most cases, fresh corn fodder for soiling is hardly at its best. Plenty of water must be 'accessible. If flow into the pail. Fortunstely milk will not flow into the pail. Fortunately, the law does The dairy cow will put up the pumpafterwards. food even better than a up with a shortage of still maintain for a time a foir milking reasonable from the basic fact that milk This is about 88 per cent of water, and only some 12 per cent sollds. Just think of that-nearly 88 per out of every 100 ms . of milk, water to begin with ! The cow cannot continue taking it out of her body unless it goes in at her mouth. If the well or the spring in the field is running dry so will the cow. Leet us make no error about that. Unless we have fresh flowing or lakelet water, better lose no time in hitching a windmill may drink at will the well. so that the cows may drink at will two or three times per day. the patient make milk make milk out of nothing, or to eliminate all enough to do without acting as hatr. She has

To classify as "no good", something in the farm experience of this season may not gratify worth self-esteem, but in the long run it may be worth more to us than what we plume ourselves

The Farmer's Advocate HOME MAGAZINE.
THE LEADING AGRICULTURAL JOURNAL IN THE DOITTNION.

PUBLISHED WERKLI BY THE WILLIAM WELD COMPANY (LIITTED):

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## Cultivate Now.

Another summer is fast drawing to a close and again the fields are rapidly being stripped of their golden harvest. Harvest is a busy season, but all seasons on a well-regulated farm are
busy seasons, and it is well that it is ork rightly done is generally done it so, for so the busier we are the uiccess. No sooner is crop harvested ouf t becomes necessary to prepare for another than twelve-month is, after all, a very short time, and with practically half of it winter, as far as cultivation is concerned, it is necessary that no thime be wasted during the season when cultivation is practicable. In the spring, as soon as the frost out and the land is dry enough to work, we ing, disking and harrowing. Why? To prepare seed-bed that the grain may fall upon fertile soil and bring forth alsundantly. But is the getting of the land in fine tilth the only object of this great rush ? No. Experienced men who ail putting a layer fine soil, putting a layer of fine earth on top, con-
serves moisture for the use of the crop later on Quite true. If tillage is good in the spring, why is it not beneficial after the crop is off? why almost as necessary to conserve moisture now is just before the crop is sown, as it is such a just before the crop is sown, as it is such a
short time until another crop must be put lin. How often we hear it said that the land is too hard-to plow. Much of this may be avoided by as soon as the crop is off. skimming the fields not seeded down with a gang plow, or going
over them two or three times with the disks or over them two or three times with the disks or
cultivator. After this give a couple of strokes with a good sharp harrow, to leave the land fine on top. It is seldom land thus treated gets so hard the plow will not take hold of it later on when it is necessary to give the deeper cultiva
tion. A large amount of moisture is thus pre thion. A large amount
vented from evaporating.
ented from evaporating
work for the man who practices another great
of almost all kinds germinate and grow rapidly in the late summer and fall, in an effort to proace seed again before the winter. These young puts an very tender, and the This is one of he most end to their existence. This is one of rowing crops is worth while ti it did nothing else but put the oil in better tilth Do not wait until next week. Cultivate each field as sonn as the crop removed. The gang plow. does the best work but the cultivator or disk helps the soil greatly.

## Nature's Diary <br> By A. B. Klugh, M. A.

There are a couple of very beautiful, delicate little plants which blossom in our deep woods to wards midsurmmer. They are known as the Twi
Flower and the Wood Sorrel. The Twin Flower is so called because each flower stalk forks at the top into two, and each
nf these pedicels bears a flower. The rorolla is of these pedicels bears a flower. The rorolla is
whitish, tinged and striped with rose-purple, and whitish, tinged and striped with rose-purple, and nd are evergreen
The scientific name of the Twir Flower is Lin naea borealis, being named in honor of Linnaeus, the great Swedish naturalist, who first classified
thousands of plants and animals, and who thousands of plants and animals, and who
brought into current use our present system of scientific nomenclature. This flower was a special avorite of the eminent botanist.


Wood Sorrel.
The Wood Sorrel has a white corolla which is triped with fine purple lines. It has five petals and five long and five short stamens, which latter alternate with one another
three leaflets like the clover. streams two interesting insects may be observed the Water Boatmen and the Back Swimmers. They are both true Bugs, that is, they belong to the order of insects called the Hemiptera, All
insects are frequently termed "bugs," but this insects are frequently termed "bugs," but thi the above-mentioned order.
The Water Boatmen are mottled in color and
oval in shape. While they usually are to oval. in shape. While they usually are to be seen
at the surface of the water, they can descend be at surface of the water, they can descend be


Twin Flower.
as they carry down with them a film of air held eges are laid under cover the body. The the stems of aquatic plants
The Nater Boatmen have strong, sharp beaks, and feed upon other aquatic animals. They pas the winter in the mud at the bottom of the The lack Swimmers derjve their name from
their habit of swimming on their backs. The hindermost pair of legs are long and stand out at
ggs in the stems of water plants, the female piercing the stem with her sharp ovipositor, and laeing about two-thirds of the egg in the inci A very brilliant little bird is the Indigo Bunt ing, he is an irridescent blue nearly all over, blue which flashes to green and purple as the ight strikes at various angles. The female is , very dull-colored mate for such a bright hus-
The Indigo is a rather rare summer residen in the Maritime Provinces and Quebec, a fairly common breeder in Ontario, and is only occa ionally recorued from Manitoba. patches, a bird of the clearings and raspberry pant-stend makes its nest of grass, leaves, and raspberry canes. It has a hrioht in a bunch ol aspberry canes. It has a bright, tinkling song The Indigo is one of the latest birds to arrive
the spring, and one of the first to leave in the fall.
Anterest Aner brilliant bird, which always arouses nterest when seen, is the Scarlet Tanager. The wings and tail and is sometimes called "Red Bird," "Soldier Fird," ar "War Bird," and its gay coloration is often fatal, as it is frequently shot. sometimes to be mounted, but more often ooked at and thrown away. The female is The Scarlet Tanager arrives about May 12 th and leaves about September 15th. Like the Indigo Bunting its centre of abundance in Canada is in Ontario, though it is not uncommon in It has a strong, warbling song, and a call note which sounds like "'Tic-whirr-Tic-whirr." On the trunks of Oak trees one occasionally of small caps joined together. It is the sulphur Polyporus. The name Polyporus is derived from wo Greek words, and means "many holes," recerring to the fact that the under-side of the the spores are borne. In the young stages this fungus is quite soft and is edible, but later it becomes hard and dry hreads termed ths Mycelium which two parts, the threads termed ths Mycelium which branch
through the wood or ground, and the Sporophore which is the part which bears the spores. It is this latter part which we see. The Mycelium ruiting-body, and it is this part which couse ruiting-body, and it is this part which causes
the decay of the wood.

## THE HORSE.

As pastures become drier, the need for feed,

While horses in Ontario increased 90,447 in also increased $\$ 62.47$ 1911. their average valu census report.

Much as horses like the new hay, we are told that it is not as good for them as old hay their horses, and find that it lis better for them han newly-mown hay.

## Many importers of draft horses are landing new importations at this season. It is a gooo meet your desires before, all the choicest have been disposed of. Real good horses are never very

Be careful in commencing the horses, which
have been at grass the greater part of the sum-
mer, at the fall work. They are soft, and might mer, at the fall work. They are soft, and might
easily be overdone. This is particularly true of easily be overdone. This is particularly true o mares suckling foals. Care must also be exer
cised that the colt does not get over-heated milk Nothing is surer to bring on digestive troubies,
and give his growth a serious set-back.

Whether dry or wet seasons have any affect apon the conception of mares or not, we are not
prepared to say, but the Live Stock prepared to say, but the Live Stock Journal, has this to say : .. The shortage of yearlings, and the full number of foals being shown this sea-
son, leads one to ask whether a hot, dry seasol affects the conception of mares. Two years a the weather, for the summer months, was hot and dry, and these appears to have been a
shortage of foais last year. the breeding season of 1912 was cool and wet which probably favored foal production, hence the increased number of show foals to be seen. good deal of trouble with their brood have had a season, so it seems the climatic conditions affect
the foal crop, at least, to some extent,

AUGUST 14, 1913
Take Care of the Harness. If there is one neecessary part of the farm
equipment which receelives less care in proportion to its everyday use than another, it is the farms, harness is bought and pever cleaned again Subjected as it is to all kinds of weather and to all classes of filth, it soon becomes tarnished and may be doubled by good care, and the compess of the horse increased. Harper, in his book on the training and breaking of horses, says: "Harness should be properly cared for, as this lessen the liability of it injuring the horse. It is very important thnt the bearing parts be kept
scrupulously clean at all times. This applies scrupulously co cean at all times. This applies
especially to the parts in constant contact with the animal, as the collar, saddle crupper, and the
thike like. It is, not possible to prevent sore shoulders,
sore neck, and sore tail, if these parts are mitted to become dirty, which they will (because fully watched and frequently cleas they are careshould be thoroughly cleaned each morning beCore harnessing, or, better still, immediately after
removing the harness. ".Tho ntir iness
cleaned and oiled, at least, should be thoroughly simplest way of doing this is to take the harness
apart, aud soak the parts apart, and soak the parts for gfteen minutes in a. wash-tub of luke-warm water containing a handurul of washing soda: then scrub the parts
with, a serub brush, and, when dry, oil with neat's-foot oil, to which a small amount of
 next, hang up to dry, taking care not to dry in
the sun or by fre, and finally sponge with castile soap and buckle the parts together. Yet there
can be no denying the fact that water infures the parts. In the case of fancy harness the fancy and dirt should be permitted to drys, Them it
should bo removed with should be removed with a brush stiff enough to
answer the purpose, but not so corse jure the grain of the leather. It is important lays down the fiber and wives the grain, which Next, the harness should be taken apart and using only as much water as is necessary soapsuds, cleansed, wipe dry and ofl with a little neat'ssome good harness blacking sponge, then apply some good harness blacking and poish.' Harness
treated in this way will neither turn red nor come grimy, and, if often sponged -with white castile soap, can be kept looking like new.
"When not in use, the harness should be coverec with a sheet and hung in a room con-
structed especially for it, as dust, dampeess vermin tend to injure the leather, and tarnish the fixtures. It frequently happens that the harness
is hung on hooks just back of the horse in the is hung on hooks just back of the horse in the
stable. This is very objectionable. In the first place, gases escaping from the manure are fery
pery place, gases escaping from the manure are very
destructive to the leather, and, in the second place, the harness is often knocked down seunder the horse's feet, and becomes soiled, with the
manure. It is much more desirable to have a harness-room convenient to the horse stable where all harness can be kept, as it is much less
difficult to keep in order, and, if we difficult to keep in order, and, if we have a hanger for each horse's harness and hang tit there
each time, the work will be much lighter than
مotherwis. otherwise.
"It is often very convenient and sometimes economical to be provided with a repair kit to
mend harness whenever needed, as it often saves delay in sending to the shop. To make simple repairs is not difficult, and the repair kit is inexpensive. We should provide a wood clamp for
holding the leather to stitch; round knile; gauge knife;
kquare-point trimming-knife ;
; punch; ; three ditierent-sized awns ; collar awl ivet set ; box of assorted rivets, and a pair of
pliers ; all of which can be obtained for approximately five dollars. With such a kit of toorso on
hand, one can keep his harness in the test of repair at a very small cost."'

Clean the Watering Troughs If there is one animal on the farm which is
deserving of fresh, cool water, it is the horse Hard-worked as he generally is, the hot weather is doubly trying on him. How often does his driver take a refreshing drìn ? ? And the driver
always insists upon clean water.
So often at this season of the year the watering troughs become filthy and slimy from a arowth of the lower
forms of plants. This is due to the fact that forms of plants. This is due to the fact that
stagnant water is allowed to remain in them day after day and aloek after week, without we.
ing cleaned out. drink from such a trough, and water from it is
not so not so good for him as water from a clean
trough Let all the water out of the trough
from time to from time to time, and take an old broom and kive it a thorough rinsing out. Then pump it
full, and see how the thirsty horses will shove
their their noses down into it and drink their fill, go-
ing away refreshed and satisfied.

On Breeding Two-year-olds.
not it is profitable to question as to whether or is never likely to be settled nwo-year-old cules, We recently heard a very strong argument on this point, and our attention was called to a big raised fine type of Clydesdale mare which had suckling another now thre-year-old form, and is as far as may be told at this time, is again with foal. Her size is ali that could be desired, and whe by early breeding have been injured in any way by earty breeding. She now gets in foal was an exceptionally well-grown colt. She wa as much matured at two years as many are at ing, but is used in the while the colt is suckweaned and up to foaling agatn. With good care there seems to be little danger from breeding two-year-old if she is well-developed. But there
was a point made in the argument, that if the was a point made in the argument, that if the
two-year-old failed to conceive throughout ter season there would be concsive throughout the perienced in getting her to breed in after years whether or not a three year-old would not but the same, we are not prepared to state. perience has proven, however, that it is a little it is a three-year-old or or four-year-old than However, a stable mate of the afore-mentioned mare was bred all season in her three-year-old
 ceive. The following year 'she took the horse over got with foal and promises to become ,
regular breeder. It was her started, whether or not any of this could bo laid to her missing the first season. There will
always be a difference of opinion on the advil.


Baronet of Ballindalloch.
Clydesdale stallion, 1st at the Highland Show, Paisley.
ability of breeding two-yer-olds, because there injured by being bred, and there will, at the be time, always be those too under developed to
throw good colts and not have their growth $\underset{\text { paired. }}{\substack{\text { throw } \\ \text { g. }}}$

## Handle the Colt

It will soon be time to wean the colts, and before this comes around it is always addidable to his mother in accustomed to belng handied. that it will not be a very diffcult matter to get up lo him in the pasture field and scratch him a Begin cautiously, and each day handle him a little more than upon the previous day. Soon which need not take much time- few minutes is, all that is necessary. Most colts will turn their rumps to you at hrst. Be careful not to get Begin by gently rubbing the parts he dangerous. Begin by gently rubbing the parts he will let you
touch. Gradually work towards his head, until finally he will let you handle him anywhere. Pick up his feet and tap them occasionally.
Handling quietens the colt; acuuainted with his master, which is a great help
during the trying weanin process. during the trying weaning process.

## LIVE STOCK.

The pastures are now quite dried up. If poswhich is showing ack the run of a fild or two
has been remioved.

It is surprising how cattlo
their salt troughs are empty crave for salt. If days, and they scent a new supply coming three they will rush for it. It is a good practice to ant

Where the pastures are very short a little carn until the the catile will serve to tide them aver started. Don't let the cattle lail too much in fesh. Keep them up in condition, if possible, for
if they go down it will take all the frees fall growth, and perhaps more to bring them tall oo their former filness, and to have them winter dition when stabling ts con they are in good con-

very often many of the fields are cleared, it is pick up the prostable to turn the shotes out to ing. Young pigs grow well on otubble, harveetry trough. Do not feed toupplied them from the get too lazy to hunt up the heads which have been cut of by the binder. But it is generally or it is never good practice to what is picked up stop growing.

Rape for Sheep and Other Stock. ditor "The Farmer's Advocate
Rape is a most valuable foed for sheep. I produces rapid
hoth in grains
growing and fat to growing and
Rape is ing itook Rape is an easy orop
to grow and ylelos
 pro perly handled.
The veriety of of rapo
most su tit ole

 haavily of leaves.
 rape.
restial foll or
get well to rape. It is well to
let the land ready
for. sowing
 warmed up in tithe
spring. it may be sown any time ay betor the last of July, and
after the grount t
well deter tha grount to
wape warmel. When
rape rows, sownin should commence a
 inctly seen from to the other, ${ }^{\text {cult }}$ he
cultivator should be run at frshould be plants without thury Hi ${ }^{2}$ norough shaltive
 ing to the object sought. When eaten down we lor it has made a maximum growth, it will grow up again with more or leas growth, it win pasturing should not commence in any ave put the
tiil the rape has become will til the rape has become well estallished in the
soil, thet is to say, until it has made or several inches. It it it a question as to whether more food is ols a question as to
than by allowing the rape to than by allowing the erape to attain its full growth
before pasturing off. Authotitho before pasturing oof. Anthontities on the subject are
inclined to believe that most proftable to follow. especially is the sheep pasture on it, as it is is euppecially when
sheep to ent it down to lor cape
cafity for further grow so low as to injure its
with cattle. may be pasturd off with cattle, sheep, swine or fowle pastured
wast waste more by trampling than do the other classes mentioned. Milk cows should not usually tendency to taint the mill, the rat it as it has a and fed to them after each period of milking will either cattle or will do better on rape than wheep should be turned wine. Neither cattle nor sheep should be turned on rape when very hungry
or when it is wet with dew or rain, as they are liable to overeat and blow, which, in as they are time, if not looked after, will cause death. In in
moist climates such as that of New England or
the Maritime Provinces there is greater danger
from bloating than there is in the arid or semi. arid districts of the West. Cattlo and sheep be come accustomed to rape by turning them into a field after they have eaten freely of some other The danger will be still farther decreased by allowing them to remain only a short time on the rape the first day, and gradually increasing
the time on each succeeding day. At the end of
the week they the week they may be allowed to remain on th
rape, having 'access at the 'same time to adjoining grass pasture. Animals that have not been accustomed to rape pasture may not take once they acquire a taste for it they will thrive on it and never tire of it.
If live stock are pasturing on rape, it is gen give them access seneicial to the animals to give them access to a grass pasture. And
especially is this true if the grass has lost part of its succulency through age, as it then has a tendency to lessen a too lax condition of the in frst class condition.
Oats fed once a day to the sheep at the rate
of one-half pound per head each day will have
the same effect, but it is not considered necesar the same effiect, but it is not considered necessary rape with the object of putting on fat, for a good stamp of rape of putting on fath for a
fatten them. Stock should pres sufficient to Stock should have free access to
salt when pasturing on rape, and should always salt when pasturing on rape. and should always
te supglied with fresh water. are feeding upon it they water', But when sheep
very little water found to consume very little water. Sheep turned into a rape pasture that is neither very tall nor very dense
will first consume the leaves, because of their succulence. Thes will finally eat all the stems hick they ground. But if the rape be tall and tems are considered even hetter they go. The When the leaves, in a thin stand, have been leaves. off by sheep, cattle may then be turned onto the feld, and they will clean up all the remaining tems. By this method there will be much less roduced at an earlier pertiod.
not sink below the the hoofs of the sheep do not sink below the surface. this class of stock may be pastured on rape until the closing in of
winter, and in warm latitudes thay may be pastured on rape all through the winter. In climates with cold winters, such as we have here
n eastern Canada, it should be pastured ore the arrival of severe frosts, as after rape has been frozen, until the stosts, as after rape
enough become crisp enough to treak eastily, its value as pasture is
much impaired. When the early frosts have much impaired. When the early frosts have
covered the rape, sheep should be given a feed of oats or other suitable grain before being turned on lit. In the absence of such food sheep must not be allowed on it until after the frost has arise.
When sheep eat so excessively of rape or other ood as to induce bloating, relief must be immediately given or the animals will almost cer-
tainly dia suddenly. Therefore, always be at hand. The moment that a case of allow the gas to escape. This is be tapped to allow the gas to escape. This is done by stick-
ing the trocar into the paunch un the left and somewhat low in the triangular fleshy space setween the last rib and the hip." Medicine is The usual method
and cultivate as for other roots till the deaves, grow too large to allow of passing between the
rows. Some advocate and practice sowing with corn at the time of last cultivation ; others sow it with oats when the plants are about two
inches high. It is well to learn whether one's inches high. It is well to learn whether one's
conditions oi soil and climate will allow of such methods before undertaking them on a large
scale. Sowing in rows from two to two and one-half feet apart and cultivating as for turnips or mangels, is the method to use for large prorequires a soil rich in plant food. Soil suitable for corn will be found to be good for rape. A man having lambs to fatten can grow no better
crop than rape, nor one from which the crop than rape, nor one from which the quality
of the flesh will be better. Breton, N. S. John H. MacDONALD.

How Hog Cholera Serum is Prepared.
It may be of interest to a number of our
readers to know how hog cholera serum is prepared. The following is taken from Extension
Bulletin, No. 37 , of the Minnesota Station: cholera. They may become immune (1) by havhy recovered irom an attack of cholera; or (2) treatment. Hoks weighing between two and ithree
hundreed pounds are desirable. The next step is to render these hogs hyperimmune, that is, to in-
tensify their immunity, or render them very highly immule. This is done by introducing large
quantities of viris, in proportion to the weight of the hogs, into their bodies in different ways,
either into the abdominal cavity, or into the heavy muscular tissues, or into the tissue just such as the velin or into one of the bloodvessels, injected all at one time, or in divided doses ath weekly intervals. Ten days after the last injection the hog's hlood contains a' very large hog that is simply immune has only enough o the protective substances in its blood for its own
protection, but a hos that is hyperimmene protection, but a hog that is hyperimmune has
these protective substances in its blood in such large arnounts that a small part of the blood of such a hog, when injected into another will have the power of rendering that hog immune. bled for serum. This is done by cutting off be small piece of the tail and collecting the blood in a sterilized vessel. The clot is removed, the serum measured, and a small amount of preserv-
ative added. It is then stored in sealed bottles a cool, dark place until it can be tested. It takes three weeks to test the 'serum, and if the test shows that the serum is not up to standard
strength, it is not used. strength, it is not used.
From two to 1 hree pint
each time the hog is bled. He may are removed three, or four times, and then re-hyperimmunized; that is, the former process must be repeated, because the bleeding has resulted in decreasing the
amount of protective substances in the The total number of bleedings is usue blood mined by the length of the tail. When the tail


Montrave Ebbling
gots so short that the hog can no longer be bled
it is killed, and the bloo average, one three-hundred collected. On the about fifteen thousand cubic centimeters will yield (thres and three-quarters gallons) which is suffihundred pounds five inundred hogs weighing one

## THE FARM.

## Field Contests.

While in the village a few evenings ago, ly to a stranger who was explaining somethin to them. I have heard it said that "curiosity killed a cat," and, if that is true, it is a good
thing for me that I am not cat find out what was going on. By joining the group I had a chance to hear the stranger 'explatin how to prepare a sheaf of oats so that it
will have will have that fine upstanding look that we see except, perhaps, in the pictures used to advertise
self-binders. I had often wondered how on earth they managed to get sheaves in which every head
stands up straight without stands up straight without showing a sign of
crinkling. It seems that if you are going to get up a show sheaf, the way to go about it is most perfect straws and heads, and then hang them head down from the ceiling of the kitchen.
In this way the straw becomes cured with the head perfectly straight, and then you can make interesting that I wanted to find out a was all so and, in due time. I was introduced to the Durham, second vice-prcsident of the Ont, on
Association of Fairs and Exhibitions. He was in the neighborhood judging the standing field
of this the Glencoe fall fair. As I had heard of this form of agricultural encouragement I pro-
ceeded to interview Mr. Scarf, and, though have no doubt that most of the readers of "The Farmer's Advocate"' are familiar with this work am going to tell what I learned for the benefit ind out about things like like myself who never everybody else knows all about them. long after

The purpose of the association
eld-crop contests, is to encourage in establishing ion of larger crops. They also ence producpossible from weeds, and unithall be as free as quality. They likewfise uniform in variety and varieties of various kinds to determine the that are best adapted to each particular plants the province. To aid them in their work, the Government gives a grant of fifty dollars to every society that enters the competition. In up twenty-five dollars, making in all seventy put dollars to te divided into seven prizes, ranging from four dollars to twenty dollars. Last year alout three thousand farmers took part, and
over thirty thcusind acres of standing cropy were examined and judged. The winners of the first five prizes are allowed to compete at Tor onto and at the Guelph Winter Fair with both
sheaves and grain, for sweepstakes prizes. Altogether, the plan of the association prizes. Albe very comprehensive, and designed to give the largest amount of encouragement possible to
practical farming. practical farming.

As $\mathrm{Mr}_{\text {. }}^{\mathrm{Sc} \mathrm{carf}}$
called on me before leaving the neighborhood, I had a
chance to sound the chance to sound the
depths of his enthusiasm for the
sulject of field crops, and I learned a few incident
of progress that have not seen men-
tion in in the papers. As an example of what an
observant
mann, who has some
knowledge of what
 c a ${ }^{\text {Mr }}$. Scarf told me. of the case of Mr.
Dawso Dawson, who, in
1881, had a field of b adly 1 od g eld
wheat of the old Clawson variety.
When looking over his field he noticed stood up strong the This head and stiff, defying apart, and from head he cared for and kept wheat which, in a few years, was the most extensively grown wheat in the province. Unless one stops to figure a little, it is hard to realize
that one remarkable head should affect the whole wheat production of a province, but if you take a pencil and piece of paper and figure on wheat if this rate of production is yept will find that years and of every seduction is kept up for a few
sown, it would inced is re-
 all the products of one head to franaries of the world. As an
ample of what ample of what can be done world. As an ex-
me about Mr. Filder, of way, he told of Huron. In 1906 Mr. Elder applied county pound of O . A. C. No. 21 barley applied for a
He sowed it He sowed it, and threshed thirty-one pounds. In the following year this yielded twenty-five bushels quarter acres of land, this, in turn nine hundred bushels of barley. Thus produced
that in three years one nine hundree bushels. If he had was increased to for another three vears, you couldn't figure out on the side of a hain how many bushels he would
have had.

The work of the association is really supple
mentary to that of the Farmer's mentary to that of the Farmer's Institutes. The
Institute lectures teach the proper prepar the soil, eradication of weels, drainage fertitio that go to the production all the other things this connection IT was of a valuable crop. In apparently triffing causes can seriously affect the
value of a crop. In tho grains are thirty-eim the case of oats, some pure chaff. This is eqmivalent hulls, that is eight bushels of chaff in each hundred bushels of
crain. The thin-hulled variet hies crain. The thin-hulted varieties have only about
twenty-four per cent of hulls. which makes four-
teen bushels less in the hundred. This must
make a distinct difference in the feeding and, of course, an average yield of thin-hulle oats is worth as much or more than, a heavy
field of the thick-hulled variety.
I admit that ield of the thick-hulled variety. I admit that
feel rather absurd talking in this profound way about matters that I know so little about from experience, hut there is one point about farming that never lose sight of, and that is how to
get the largest amount of result with the least et the largest amount of result with the least Scarf was giving me seemed right along the line of my hobby. He further encouraged me by elling of a boy who got first place in 'South undred and twenty-eight bushels froduced two which was more than his father produced on welve acres. Now, it hardly seemed possible hat that boy could have put in twelve times as nuch work on his acre. I must investigate this
point further.

On thinking over what I learned from Mr. Scarf about the objects of these field-crop con-
tests, I couldn't help wondering if an unrecognized help wondering if there is not an unrecognized difficulty that prevents the ambition of almost every farmer has been to get as much land as possible under cultivation.
This, no doubt, is a result of the experience of the pioneers. who found 'that it was 'only necessary to tickle the land, and it would laugh with harvest. The fertility of the newly-cleared land has largely disappeared, and it would be a
good thing if the ampition to get every possible acre of land under cultivation disappeared with haps be well to change the method of the pivinhaps be well to change the method of giving
awards. In the field crops I understand that awards. In the fleld crops I understand that This seems to 'me to be a 'concession ' to the wrong methods of farming. It seems to be and instead of puttin must put in a big field, he probably puts it in less badly well as possible, Would it not be better to offier a prize for the best acre, or even half acre, of any variety of carefully as the South Carolina boy work it as acre of corn. Another year, if a man had taken a prize for an acre, he could show what he could do by applying exactly the same methods to five
or ten acres. In this way he would be progressing from good farming on a small scale it good farming on a large scale, instead of trying
to make the practically impores to make the practically impossible jump
changing from bad farming on a large scale good farming on a large scale. All progres seems to be by growth, and I am inclined 'to good farming if prizes were a greater growth possible good beginnings
The 'chief lessons to be learned from. Scari's conversation and accounts of his ex periences, were undoubtedly those taught by the pound of barley that in wheat, and the one nine hundred bushels. They showed progress in the right direction. The other method seems to me to be much as if we should try to produce pound of barley by working back from the nine hundred bushels. Besides I like the idea of mak ng small beginnings. They involve less work and, if they turn out well, all the work done is
likely to yield results.

The Meadow Lark a Useful Bird. lark: "In many localities the meadow lark is classed and shot as a garme bird. From the far as an insect eater is far mreater than as its value ject of pursuit by the sportsman. Both the boll alfa weevil are among the beetles it habitually eats. Twenty-five per co the diet habitually is beetles, half of which are predaceous around heetles, accounted useful insects, and one-fifth are ent. of the weevils. Caterpillars form 11 per hent. of the food, and are eaten in every month of
year. Among these are many cut worms and the well-known army worm, Grasshoppers and favorite food, and are eaten in every month and cent. ev the whole) consists of grain and weed
seeds., Two species of meadow lark are common, eas-
tern and western, but their habits are very similar. Recent sludies reported by H. C. Bryant o while the western species may do considerable damage in destroying species may do considerable sumes large quantities of destructive insects, and
when the benefits When the benefits ars balanced against the in-
juries there remains no doubt Juries there remains no doubt that it
deserves protection and encouragement.
value as as and
seets far a destrover of iniurious

estern meadiow lark living, to one dead, is an five ound pounds of grain, a considerable part of which is inportant point in favor of the birds is that ther urn their attention to the insect most abundan hereby increasing their efficiency at the time of an insect outbreak. They bear an important resect outbreaks as well. A strong point favoring the protection of the western meadow lark is to be found in the fact sprouting grain fields) can be largely prevented by planting grain deeply and drilling instead all agricultural expeasures highly advocated by all agricultural experiment stations as favoring
larger crous.

A Weed for Identification.
Identify the enclosed weed. How can it be
killed ? Mrdalesex Co., Ont. C. H. Scott the worst pests we have to fight. In some sec-


Tamworth Boar.
hampion of the Royal Show, Bristol, Eng.
 ion it has been kept in check. In some sections summer allow, stocks remain after a hoed crop or
east of Toronto considerable of it is in evidence out of the next prop this year. If allowed to spread it will evidence root and branch. It is a difficult matter to get such a foothold as to crowd out all other plants, lished a cond if the weed has ever been well estaband fields of grain are sometimes seen so badly nfested that one could scarcely tell what the crop is. It is very persistent and grows best in spreads from seed and root stocks, and thus requires thorough cultivation to rid the land of it As it is now just in bloom in many sections, a description of the plant is not out of place, even through these columns. There are several annual, spring annual, and the perennial. The quite harmless where anything like good cultiva tion is carried on. One of the surest methods for he average person to identify the perennial var ety is by flowers, which are bright yellow, one and-a-half inches across, and which come out full strong sunlight. The stalk on which the flower borne is coverod with bristles and long glandfar hairs. The stems grow from one to five sent in being four feet from our correspondent stems are hollow, and the leaves are long
(about six to twelve inches) some of them on the doeply sent im being good twelve inches, They ar edges are marked with sof uished frower of the common annual as distinyellow and the flowers are much smaller, being only about one-half to one inch in diameter, bristly as in the perennial. The the fower are not be identified by its very prickly nature and may The sly-lobed leaves.
by "Farm Weuds" as about variety is described dish-brown, oblong, closely and deeply red red lengthwise, the ribs wrinkled transversely, giving
the seed the appearace ways, bearing appearance of being ridged biving ways, bearing at the top a tuft of white, silky, persistent hairs which spread in drying and enwind. infested is absolutely eradicate it, once a field is badly son which a task. Fields were noticed this seawere thorouchly cultivated crop last summer, and well hoed twice, and still quite al times, and the weed is in evidence. Some armers ink hoeing seems to strengthen the growth of gthen the growth of the
weend. One thing is
certain the plamts
which escape death in which escape death in
good hoed field make remarkable growth the following writer remembers well ery rich low ground, which, was very badly was practically wich one year by the iven a crop of of urnips; only a few
tocks remained, hever since has this articular feld 'had a although this - year lew "pacches are noticeable. It always peys hold will soon be very strong. Owing its faotfew at the seeds are attached to a fluffy town ecessary mature heads often seed acres. Thus it is weed. It is little uso nor the moods fight the farm only to see it reseeded with to clean his The weed is or careless neighbor. from patches, ween is usually first noticed in small shonld he and where this is the case no time sholld he lost in grubbing out all the roots and
thoroughly dostroying each and every plant Pieces of rootstocks distributed from plant Flace in a field take root and grow, so care must be exercised that none of these cling to carm mast plementis, and thus spread the pest to new fields,
or to clean portions of the or to clean portions of the field in whish the the field it is wise to sume weed is established in ful and frequent cultivation, using the proadshared cultivator to keep all roots cut, and allow fall after the grain or have crop has. Earily this fall after the grain or hay crop has been romoved
from the field plow lightly and use the cultivator frequently. Plow again late in the fall, gring

Lincoln Shearling Rams.


Champion pen of five at the Royal.
some will be killed. Summer fallow as culti-
vated urtii late in June or early July ne vated uritil late in June or early July nest year about one and a half pounds per acre. Keep the rape well cultivated until it gets too large. It may also be necessary to go through with a hoe
and cut out what weeds the cultivator misses. F'asture the rape of closely in the fall and fall plow quite deep again. If it is found necessary a hoed crop as turnips, mangels, or corn may be
put on the field the following year. This sllutid pretty well exterminate the weed.
A bare summer follow is sometimes used to cood aftvantage, but very often press of other work during harvest does not allow of its loeing worked as frequently as it should be, and thus
the weed gets a new foothold. Sowing rape is the weed gets a new foothold. Sowing rape is
Advantageous in this respect and produces so mething from the land while cleaning it.
Buckwheat sown thickly broadcast, about the hrst week in July makes quite an effective drills.
And here let it again be said that a short rotation of crops tends to keep the weod from preading. A clean hoed crop and a good stand and the weeds gain no heardway in either, if proand the weeds gain no headway in either, if prorapidly in a hay-field the second year, the cutting preventing seeding, and the usual after-pusturing keeping the plant from making much progress, seeping down most of the farm pests. Just at this time when the fields are being clearsd, onil When considerable of this weed is in evidunce is a oont time to conerally rewarded; but half-way Determined alwnys fafí. Go after it as you would a poisonous reptile. Strike true and hard and cease not intil the last flower stem is parched in the sun, oblivion. Wage a no-quarter war on this great robler.

## Preserving Fence Posts.

The Minnesota Experiment Station has carried on a large number of expertiments with preservasions drawn fram the work state that the treated post is most economical in many sections. periment and experience have shown that creosote costing ten cents or less per post will penetrate peeled, seasoned jack pine, popiar, penetrate peeled, seasoned jack pine, popiar,
cottonwood, willow, red oak, or ash posts from
a quarter to a half inch deep. a quarter to a half inch deep.
Maple, basswood, birch, spruce, and balsam should be given two coats of hot oil with a brush.
This will increase their durability at a very low This will increase their durability at a very low
cost. Little more can be done with them even by more elaborate and very much more expensive methods.
Cedar

Cedar, white oak, and tamarack can be treated quite readily, but when treated they are no better than the cheaper w
The posts for this work should be cut in the spring when they can be easily and thoroughly peeled, for even a thin layer of bark is a great
hindrance to the penetration of the oil. They hindrance to the penetration of the oil. They be a goad circulation of air. Skids should be put under the pile to keep the bottom tier of posts off the ground. The treating can then
done late in the sumnier, or early in the fall.

## THE DAIRY

Ontario farmers scld $\$ 7,550,584$ worth of
live stock in 1911, and $\$ 35,385$ worth in 1901, live stock
showing an
cent.

Cream cans should be covered with a wet sack to keep the temperature of the cream from rising
to too high a point while on the road to the creamery

In handling cream on the farm it is well to remember that it is the cooling of the cream and not the mere fact of getting it into water that is so important. If the cream is stirred faithfully
it will in a few minutes be reduced to the same temperature as the water in the tank, while if nut into the tank without stirring it may remain warm for several hours. It is needless to say
that just so long as the cream remains warm the bacteria, which even under the most sanitary conditions have gained access to the cream, will not
be hindered in their growth. The vast majority be hindered in their growth. The vast majority
of milk hacteria, however, grow very slowly at of milk hacteria, however, grow very slowly at
the temperature of ordinary cold water; hence
the importance of cooling the cream very quickly.

Breeding and Feeding for Dairy Purposes.
Editor "The Farmer's Advocate." ' With "all classes of live stock it is a matter of importance, before the antock it is a matter breeding, to allow suffient tirne for quality and y develop before progeny is reared. It is often the case that defects, either constitutional or
otherwise, do not show until the anlimal has reached a reasonably full physical development. In nearly all cases, with all classes of stock, the and well-developed of toth sides parents mature that, have made a vigorous, thrifty growth from birth, and when bred are in good, healthy condithen. Too young breeding is such a drain upon the 'vitality that, 'in many cases, the animal
never fully recovers from the effects. Senerally, however, the dam suffers from too early breeding more than the sire.
One of the best
One of the best plans of management when full development, is to mate them to older and more mature sires. If the sire is young he hould be hred to older and more mature dams, but the dams that are being bred for the first
time should be mated with well-matured sires that have proved themselves cood breeders. In breeding up a dairy herd a judicious selection of both sire and dam is most important, and then ment suited to the pyurpose for which. the animals are, being raised. Too many dairymen follow out these principles only in part. For instance, there are scores of dairies where a comparatively
high-priced, pure-bred sire has been purchased and used, but the owner has paid no attention (or but little attention, at most) to the possibilities of his cows, and the result has naturally been The owners then say it is all rubbish to talk about high-class sires, for their calves do not


Carsegowan Coronation average much, if any, better than those from the
ordinary sire. But the matter of careless feeding and manfollow a line that tends every day to change calf bred for dairy purposes into a beef animal while others pay so little attention to the matter
of feeding that they develop ordinary animal, out of what, from its select breeding, ought to be a select one. Too many think that the feeding of the last few weeks be develop a heifer into a first-rate milk producer. I am aware that I step out on to what may b called theory, when 'I say, that the manner of feeding and handling the cow during conception
exerts almost as much influence over the nature and capabilities of her calf as do the few month after its birth. But if it is called theory, it is most certainly a 'reasonable, common-sense
theory, for no one can dispute this fact during conception the mother and offspring in embryo are identically one, and the food that nourishes the one also gives life and growth to
the other. This being the case, what called theoretical by tsome, becomes may be
cactical True, the matter of selection in breeding can and dous do considerable tovards improvement and the same is true of judicious feeding for a
purpose, but to attain the most desirable result they hoth must go together, for nesither is alone a success. By carefully practicing both it is an Short space of time to considerably increase
the product of his cows. utilized in running her machinery, and the cow is
tion is, what does she do with the surplus of her
food? If she returns it in the form may be a profitable cow, but if she lays it she her back as fat she is not a dairy cow. The cow that has a tendency to lay on fat is to b avoided always, if one wants cheap milk produc
The size of the cow has little or nothing $t$ do with the cost of milk production, which has time and again been demonstrated that there are large cows with comparatively small feeding cows have even greater feeding and digesting capacity than some of the larger ones. There is siderable a number of agricultural experimentenand destroyed the practical value of their work as the one declaring that animals should be fed according to their size. Some cows with short at 900 pounds, and yet, havely turn the scales middle, will eat and digest more than a capacious ong, heavy quarters, with a comparatively light medi, and weighing 1,200 pounds. Small or proportion to their size than large animals. Indeed, this seems to hold with all domesticated animals, not only as far as feeding capacity is con-
cerned, but in strength and endurance as well. In breeding to increase size. we always fail to in rerease strength and endurance, or speed, in the
same proportion. That the proportion.
measured by the size of maintenance is fairly in a general way. The temperament of the cow must be taken into consideration. An anlimal
having a highly developed nervous system will under certain conditions, require more system will, maintenance than will another animal of the same size under similar conditions, but not having a highly developed vital temperament Breeding is an art that calls for something
more than a simple mating of animals of the do of animals of the de-
sired breed. must not only the the mals $m$ at the animals mated, but
there must exist also the power to transmit those qualities to ine offspring. Feeding, as an art, calls
for something more than a simple supply-
ing of a sufficient amount $t o$ is satisfly he appetite. It calls individual needs of each animal being ng is not easily re thorough who of the art of feeding
are not so plentiful as those so plentiful nasterful lureeders, now. As the art of breeding includes the so, too, does the ing, feeding include he science of feeding. that, however well-bred a dairy herd may be, it cannot prove profitable unless well fed. And no with the necessary ties to meet her individual needs
cows cows alike. They do this formen feed all their is for the. They do this for two reasons. One other and more binding of the feeder, and the nearly universal that what is that the idea is must, of necessity, be what is good for one cow The first reason might be exousable, but the other
is wholly unwarranted. is wholly unwarranted.
sonable degree, and is not dairy type to a rea there is some good reason for it. In thefitable
dairy type should dairy type should mean a good cow ; in practic the good cow always has the dairy type. Th gether always. When the former exists found to the latter it is the fault of some man, and ca not be justly charged up against the cow. Eithe to develop her dairy qualities, or her owner is not furnishing her the proper kinds and amount
of food. of food. The chances are that her early treat for dairy purposes lefore they are tws are ruined than after they come in milk. There are ol
who have tried are two years herds, only to get heifers and breed up the their frrior to their mothers. As a result proved in sires have been hlamed, and pure-bred stock
ridiculed, while the use Fidiculed, while the use of inferior animals for Wreeding has been continued
When a well-lred heif
er, and not of the breed. The breeder should
shoulder siburuar his own mistakes, and not blame tho
gire and dam for hig taok of wisdom in foeding.
The
 almost unilitited.
milk
and securim the thes. melif-e eoure the frrst three withs , any damach and and
heifer, and the last, which is the object for which wo work, wini nott thill
Sometimes one acts too hastily, and condemns
a heifer before she has had her conenco a heifer before she has had her chance to prove what she can do. If I had a well-built heifer cow, and she fatiled to do pooing a good do iry
year, I should try her the second time the 'first year, I should try her the second time. Full de-
velopment does not come with the first de velopment does not come with the first year.
This holds true, no matter at what age the
heifer is first bred heifer is frst bred. no matter at what age the
with her third colf, cow has freshened with her third calf, and it would take big money
to buy her to dav. As. a heifer, her first year's to buy her to dav. As a heifer, her first year's
work was not satisfactory, and many men would
have discarded her. But she came from cow, and carried in her body the markings good good dairy animal, so I kept her for another
trial. She is now proving the wisdom of ther decision. So I say brating the whisdom of that are condemned too hastily.
The more uniform the herd, the less individual variation. This is a strong argument for a herd feeding would thus be simplified, and lamily, for and profit increased. The breeding and feeding of cows for greater production not only results in
better cows and more better cows and more profit, but the men . in
charge are made wiser.
Johnson Co., Ill.

## The Importance of Milk Inspection.

 milk is the raw material from which cream, but ter, cheese, condensed milk, etc., are obtained Milk is the only food which will supply all the of body tissue, and is thereforowth and repair ant food for the human family. The average composition of normal milk is water 87.4 fat, 3.7 ash .ash .7. only is milk an excellen animal kingdom, but it is one of the best articicial media for the growth of Pathogenic organ-
isms (disease-producinw, temperature. Therefore, it is easy to reat body importance of preventing, as far as possible, the infection of milk. Now with the ordinary method of milking and handling milk, this infection takes the majority of the public. There have, by found on the ordinary milker's hands have $45,000,000$ by thorough wich 98 per cent. could be removed the farm is easuly contains faeces in the sediment. This the cream separator. Now suppose this cow has pulmonary tuberculosis. She coughs up the sputum and swallows it, it is loaded with The cow is allowed to lie in it, and it gets onto the teats and udder, or over the surface of the
body. This is still heavily conteming live organisms, the milker is careless and allows regularly in dairies. This milk is infected occurs living tubercle bacilli, and under most favorable conditions to go on and multiply. Bacteria inshown that rapidly in warm milk. It has been c.c., kept at room temperature streptococci per creased to $4,000,000$ per c.c. The samie milk thus showing the importance of not only keeping 50 degrees as soon as possible. Out of 195 cases of typhoid, 148 were caused by out of 195 cases ing prevailed at the dairy. Seventeen cases ware traced to the well. infection gaining the cans by
washing with cold watcr. 16 cases were traced to seenen cases dilution with the infected water getting on to the udders, and 24 were water, it it
thed to
the attendants who acted as nurse to the sick while still working in the dairy. This is sufficient
show how easily Another experiment was made with the
cows, and strained into was taken from the infected a glass churn, and the bise. It-was churned in
free from wuter was washed till one ounce to the pound of butter. It was it of
placed in a glass dish with glass cover and kept in the ceilar in which the temperature remained
fairly constant at 60 degrees $\mathbf{F}$. When the but-
ter was 99 days
lated. Each received one gram injected, slightly
warmed, into tino abdomen. darmed, into tin abdomen. Forty-nine of these
died with generalized tuberculosis,
mechanical mechanical pneumonia, one from enteritis, one from peritonitis. The number of days between injections and death ranged from six to 121, the Now this shows how dangerous it is to milk from cows which have tuberculosis, is to usen ue thg iu butter for 99 days. Some may arue that bovine tubercle bacilli will not set up Dr. Hess,
Dr. Hess, oi New York, in 1910, took 112
samples of milk from eight gallon cans, tukin samples of milk from eight gallon cans, taking 10
c.c., from each can, and he found that 16 per
cent. of these savples and cent. of these samples contained virulent tuil picle bacilli. Twelve months later he went to the custoniers who had been using this milk and
tested the children with the tuber tested the children with the tuberculin test and
found 25 per cent. were afiected with tubercul
in Rochester In Rochester, in the month of July, before dairy inspection took place, the number of infants who was put 1,010. The next year milk inspection Wie in July was 413,597 less than of infants to month the year previous.
Tree from comem pure milk: first, the herd must be iree from communicable discase, tested by tuberfrom stagnant, filthy pools. the stable fields free kept clean and well ventilated ; the milker should should always be wined milking; the cow's udder wash and dry. Never milk with wet hands, it quickly and cleanly as milk should be taken as strained into sterilized containers and conled ately 60 degrees F . as soon as possible. This prevent ten minutes with. Scald all utensils for at least cold water, as you are in danger of infecting ing.
I have often been asked: "What is certified tified milk is milk which is produced ?" Cerwhich are regularly inspected, the herd free from
tuberculosis, as shown lyy tuberculin tost, and frem from all other communicable disease, and bacter ial counts taken runcalarly, which must be not
more than 5,000 bacteria more than 5,000 bacteria per c.c., in winter, and some as being pretty heavily contaminated, this to the standard ordinary milk in many of the cities taken 5000 per c.c., or under ; and many samples taken at farms will contain as high as $5,000,000$,
but this is dangerous The name "،
the great Freach bacteriologist, Pasteur zing by heating to a miethod of Pasteur, minutes, then cooling ta room temperature the vegetative sta-bearing bacteria to come into the vegetative stage. Then in 12 hours he re-
heated. This was done three times. speaking that is pasteurizing, but for milk it is 50 degrees and once, then immediately cooled to 50 degrees and kept at that till delivered to the
What we mean by bactorial count is this, the sample of milk taken is put into sterile test-
tubes. One c.c. of the milk is put into nine c.c. of sterile tap water and thoroughly mixed, tion is put again into nine One c.c. of this dilua dilution of $1-100$, etc., making several dilutiong of its soldedia is used. It is used on account about solid consistency, the agar is heated to pour, but is not hot enough to just sinhibit it will pacteria. The milk dilutions are poured into glass 37 degrees C . this is allowed to com'e down to 37 degrees C. Af this temperature it solidifies. these are incubated for 24 hours. At the end of colony, which shows as a light streaked a agar. These catonjes are a light streak in the this the number of bacteria per c.c. is easily
worked out. 1 am not giving this in it can only be done not giving this in detail, as ledge of laboratory by one who has some know-
will understand but but the reader will understand when he sees a the reader
500 , 000 of a bacterial count in silk report of bacteriologists didn't count in milk that the by the dilutions they have been correctly worked
out. This is the only dirty milk. A high bacterial method of detecting one or more of the following

The milk has not been kept cool Or it is stale.
ess imanner. has been handled in a dirty or care-

Fix the Responsibility.


 sought out ? Every traveller on a staemer pays
pasage money; the several branche th then

 Weinyuouts in in his present has herd of cows any doonguors ind his present hierd of cows, perhaps
ortune tw ine in $a$ fair way to wreck his
 sofem bety er producers, for often two or throo out
of every herd of twenty cows how no proatt at Plenty of cow irs in June sand Jtivy
 untariy keep the kind of of tairyman that yiolded vol-twenty-four pounds of fat, or those that gave only four hundred pounds of milk during last
month? ${ }^{\text {a }}$ g great many cows in ontario end Qumber. This sponsibility, that on dairy cour has a corrain re-
 responsibiity, that of knowing his cows do not
shirk theirs.
Bis
nusiness io
 $\xlongequal{\begin{array}{l}\text { individual records to find out. } \\ \text { they do much. }\end{array}}$

## POULTRY.

## Egg Laying Contest and Breeding

 For Eggs.which results of some of the egg-laying contests many important principles in egg productionasize a United States bulletin on experimental works and since there is at the present time an endeavor of eggs for table purposes, ${ }^{\circ}$ with maximum amount possibly, to the production of market poultion, the form of broilers and roasters, it would seom that the more important facts brought out in the T. E. Quisenberry, who conducted many.
Tontin Missouri, states from, whe conducted a contest in apparently there is no variety or obtained that
excels other varieties excels other varietios or hreeds in general use
as far as egg production is concerned More, he says, depends concerned. breeding as to the number of eggs a variety oill produce than upon the variety itself. Som hens have a born tendency to lay and others to put on fat. The latter kind should be culled out
in establishing a laying strain.
More depends upon the breeding of the male as
o the number of eggs the offspring the male as than upon the female, yet it will pay to breed Breeders should select the variety whice poorent. them best as to color, size, and shape, and breed up until the fowls satisfy them as to quality and productiveness. They make a mistake by jump a better layer. It will pay the avera to discover man to trap-nest his flock in fall and winter, and breed from the pullets which lay earliest in life,
and from the pullets and hens which lay in the winter. The best producers have broad bodies. The
back is broad and the ribs are widespread plenty of room for the egg organs and digestive organs. Thetr boditos are solid. The birds are layers are big eaters. A bird must hatle Good acity to eat and digest. a hreat must have cap-
she is to she is to lay a great number of eggs.
be brought on more quickly by great variations in temperature, sudden changes in weather conditions, than by continued or prolonged spells of either cold or rainy weather. It will pay to
keep a good hen until she tour keep a good hen until she is four years old. To
had several four-year hens that laid over 150 eggs ieach. Most or the high producers have
good-sized In a contest for birds of their variety Storrs atationtest conducted at the Connecticut hen was 214 eggs: in Missouri contest, 208 per The average of all hens in the Missouri contest 60 A ten-year egg-laying contest with 360 hens of 1912. During that time there was a Wotices in improvement of the type of bird, and the average number of eggs was raised from 131 to 184 per
hen per year. The highest pen average exceeded hen per year. The highest pen average exceeded The results indicate the possibility the a verage production; not only of breeders baing of farm flocks. with little or orly of additional cost
To this end the poultryman REX. To this end the poultryman should constantly tryy
selecting only the best females from the entire tlock, by mating them, to good vigorous males
from high-laying mothers, and by using this special mating as a breeding pen from which all eggs for hatchugg should be saved. In this way
a continual cimprovement will be had, which can nut be assured when the entire flock is used to propagate the future layers. In other words, as
the New Jersey station points out"The time has come for the
pay more attention to individual birds, and less pay more attention to individual birds, and less
to the Lock as a whole, especially when breeding
for future producers for future producers. The practice of making
special ureeding pens in this way is bound to respecial breeding pens in this way is bound to re-
sint in time in larger, more vigorous birds,
better layers, better layers, and hence more profit.
in these special matings for breeding purposes any diseases, such as bacillary white diarrhea, are known to be drrectly inherited, others are known to give to the offspring an inherited weakness
which makes them especially susceptible to that particular disease. This is true of tuberculosis particular disease.
diarrhea, enteritis, etc.
Strue of thers, such as roup, catarrh, and other general disorders, weaken
the birds constitutionally the birds constitutionally and make them unfit
for breeding, Any bird once affected with diseuse should be conspicuously marked, so that it may never find its way into the breeding pens. "In selecting the females for the breeding pen
in the spring, the following factors have been in the spring, the following factors have been essential to heavy egg production, namely :1. Breeding from heavy producer
not pullets, use of mature birds, preferably hens, 3. Line breeding rather than too close in breeding or outcrossing. ducers as pullets
constitution 8. Selecting for egg type (long, rather deep digestion and reproduction)
. Selecting large specimens of the breed usua/ty the best winter layers.
9. Breeding

$$
\begin{aligned}
& \text { re breeding from birds whic } \\
& \text { records to be persistent layers. } \\
& \text { 10. Selecting birds that }
\end{aligned}
$$

and retire late , for ayers." in this wreeding, matings station indicates tha with the male progeny of high-laying mothers, because the high egg-producing power is transmitted
through the male Without strong, well-hred birds a good egg management. Hence much time and tho efficient if need be, money should be expended in the im-
provement of the flock provement of the flock by mating and brueding.
The birds set aside for breeding should be cared for as to provide for the production of for tile eggs in the breeding season, which will hatch into visorous chicks. They, should not be crowded into small, insanitary ho ases, nor should
they be forced for a heavy egg yield during the winter. The three factors egg yield during the
the production especially favor the production of fertile eags are exercise, which can he made coinpulsory by supplying most of the
feed in deep litter on the floor of the pen: green lood, which, for want of beets or cabbage, can be supplied in the form of sprouted oats; and meat scrap, supplicd liberaliy (15 per cent)
breeding season, buting the breeding season. should begin about the 1st. of February purposes should be collected at least twice a day, and to 50 der. They should not, be subjected to great
variafionc in variations in temparature, and should be placed
so that they may be turned daily and protected from the direct rays of the suil. The protected
temperature is of (embryo) begins to develop at 70 dea. F. High temperatures start the develonment of the germ,
but if heat is not supplied uniformly it ultimately
dies dested out as infertilo. Figrs for egrs are later be selecter with a view towards uniformity in
shane, size. and color, the idea heing to select to-
ward the ideal

## Raising Chickens

Editor of "The Farmer's Advocate"
Many of our farmers' wives are commlaining
of poor hatches of chickens this year. But even of poor hatches of chickens this year. But even
when the eqgs hatch well it is hard to raise the
tender little chicks to hawks, crows, and rats, craving for fresh meat, and consequently never miss an opportunity of
having a good meal. Then the chicks are some-
times killed ti, horses and cathe, although the hen does her very
best to take care of her family she is so proud

Oile of of our hens stole away her nest under Delieve in having a large family, for when we After a while she came only eight eggs in it chickens. But she alwass returned to seven fine nest at night, down in the clover tield. We never shut them up, only fed them when they
came looking ior food. We always used to imagine that chicks should be shut and never let out in the morning until the dew was arr the grass. But this summer we let them how, and they have thrived well. No matte mother's care, and we never lost one. In think is a great mistake to shut up the chicks when they are just hatched, for they do so much better when they have their liberty. The mother he with her methods. She knows when the little ones are getting cold or wet, and then she calls them under her sheltering wing and the warmth of her body puts new life into them, as it were In many iustances only about half of the eggs
set under hens hatch. But when the hen is mistress of the situation and when the hen is mis she seldom fails to have a good flock of chicks, which surely proves that she has good conhmon chick, and knows just how to manage. Our pouring rain, but it never hurt them in the least. As long as we give them good food, water, and is an industrious, faithful do the rest, for she is an industrious, faithful mother.
ggs, many of our farmers for chickens and size of their poultry flack. If properly mana the here is certainly monecy in poultry. One farmer who lives about twenty miles from the city, says day. He has about 60 chickens this year.
P.E.I.
ANNIE RODD.

## HORTICULTURE.

How Fire Blight is Disseminated.
No doubt many readers of "The Farmer's Adocate" have noticed in orchards in their apor which the leaves have all browned branches ap, and often blackened, much as though dried had been injured by fire or frost. The, leaves do twigs. Apple shoots often turn to to andy to the low, or reddish color, and characteristic cankers appear This is all caused by the presence of a species of bacteria (bacillus amylivorus), which the spring when the warm become active in sap to commence to flow weather causes oozes out of the lenticels and cracks in the iected bark laden with these organisms.
disease attacks blossoms extend down to the roof shoots, limbs, and may and as well known that spraying is ineffective, with such a disease it is important that fruit growers understand its methods of dissemination Fire Blight Disease in Nursery Stock" by Vor Ver B. Stewart, gives some valuable information. conceded agents as bees and wasps have long been blight, says the bulletin, but in recent years cerspread of the disease, particularly with the blight. While visiting b, blighted tissues the insect
becomes smeared with becomes smeared with the gummy exudate and sucking the sap from the twigs the insect punc-
turns the tissue and trance for blight germs.
TuThe commion green aphids (plant lice) freHowever, of all the slicking inspects and quinces.
dissuminate the blight hacteri in haps the most important is the tarnished plant
bur (T,yus pratensis). This insect cognized for many years as the cause of the
severe. injury to peach stock known as "fpeach
stine." The inury Stine." The injury resulting from the "peach "stinging" the terminal shoot of the first-year
peach bud, causes the tree to make a stunted,
hushy hoi.ht. During the past two seasons, the proper
has the then considerahle damace heen injured in this way, but
hon apparent in several
 old stock (especially in apples where there may
he considerable hiliwht) the insects visit the sweet. enmmy exudation on infected trees, and thus not
oml- spread the dismen to the large trees, but
carry the bacerin
year-old apple stock where infections occuarougn the punctures made by the insects. germs by insects, man himself is often an bactivt agert in spreading the parasite. His pruning ting the organisms. In means of transmit block of 10,000 trees of Bartlett and a nursery was completely destroyed by blight. This block as determined by the specimen, carried actual samples of hold-over blight in the stocks. When
the stocks were cut offi above the dormant buds in the spring, the pruning tocls became infected and the disease was transmitted to nearly every tree reached by the pruners. Instead of the buds
pushing up, the cut surface began to pushing up, the cut surface began to gum and Blight is frequently introduced into seedling blocks by the use of diseased scions that heedring which cut from two and three-year-old stock in seedlings, which are budded with present. The not only blight, but bucteria with diseased buds budder's knives to other seedlings. Later the rehudding time, the budders, being unfamiliar blighted stocks tighted stocks; their knives become infected and The number of diseased seedlings is also fre quently increased when the strings used for tying the buds are cut. Often in cutting the string a are inoculated in this manner, blight the trees are inoculated in this manner, blight germs hav-
ing been carried on the knives from diseased
Blight may also be introduced into the seedbacteria to means of insects, which carry the treas become diseased in this manner. However the seedlings as are seldom if ever so abundant in break of the disease. attempt to bud such infected seedlings would tend to favor the more rapid spread of the disease the blight bacteria being carried to healthy trees on the budding knives.
The shipment of scions from one nursery to another may also be a means of transmitting the
blight for long distances, and bacteria have even heen hnown to live over in scions used for graftwh purposes. In the winter, when the graits and transmitted the blight bacilli to grafts made from healthy scions.
The elimination of certain disseminating agents is an important consideration. It has been demonstrated that controlling the aphids is freof blight bacteriaial step in preventing the spread present time, however, is a means necessity at the sects which occur on numerous other sucking infire blight. Of these blight disseminators to tarnished plant bug (Lygus pratensis) appears to The most satisfactory means of controlling the eradicas by strict sanitation and an attempt to All sources of infection from any given locality.
orchard trees destroyed. Old orchard trees-such as pear, apple, or quince-in blight, in that frequently such trees facome the eased, and, for years to follow, are sources disinfection for nursery stock. Unless they are
given special attention and kept free from the disease, their presence is a menace to the nursery. and neglected orchard trees should be removed, clean. Old hawthorn and wild the surroundings quently harbor rows or in near-by pastures fre be destroyed. The blight. Such trees should on the necessity of a thorough and systematid cleaning-up of all diseased trees before growth itv should be inspected orchard trees in the vicinthroughout the summer; all blightce a week shoots, and water sprouts should be cut out cut disinfected with corrosive sublimate $1-1,000$ A thorough cleaning-un and removal of al Sources of disease in early spring naturally re-
duces the possibility of blight infection in hursery. As previously pointed out, however teria from oozing hold-over cankers which the bacthat often common on orchard trees, to blossoms stock. Since the production of fruit qu such
 hlossoming time it is considered good infaction at
ninch off or to
they ramove all quince blossoms before ported very liwht, but a a very district is reave crop of are also a cond cron. Much the same state of and
thines is reverted from tamber

AUGUST 14, 1913
FARM BULLETIN.

## Regina Exhibition Makes a Record.

All records were broken at this year's rrovi cial Fxhibition ut Regina.

28. Fresh as a morning orese did it open on on tuly developed under the able management the full
measure of the 1913 Provincial Exhibition at measure of the 1913 Provincial Exhibition at at
Regina was realized by exhibitors and visiting pubbic and the 1913 exhibition at at Regina flowered
pisiting into the greatest of Saskatchewan's provincial
exhibitions, and in one phase, that of Clydescale exhibitions, and in one phase, that of Clydesdale
horses, outstripped, we beblieve, anything of the kind that has been seen in Canada. In all
breens of live stock America-famed individual were seen as well as local-bred stock of creditable
merit. However first merit. However, first and foremost position in in
the field of agriculture was the unprecalented
display of Clydesdales and Percherons. There has xhibitions which hith raised most favorahle ments, but Regina seems to stand above all when it con
horse.
For the success of the exhibition the manage ment are due a full share of credit. They have
consistentiy and persistently labored for a large and high-class exhibition, and were this year well rewarded. To rebuild the main building and over a month ago, and at the same time keep ther departments of the exhibition running ments in order was no small undertaking, and speaks weli for the ability of the new manager,
D. Tr. Elderkin, who assumed nd also for the directorate which has always, HORSES
from top to bottom of the line, quality was to be found, and in never a class
shown there indivity wals to
reflected Canadian-bred classes were exceptionally breed. the rivalry being almost as keen as in the open
classes. classes.
Condie, landed top stallion class, R. H. Taber, of
anta. With The Bruce, by Revelanta. Wm. Barnsley, of Abernethy, Sask., Revel-
second with Gartiy second with Gartly Bonus, and Hugh McLean,
Arcola, third, on Prince Robert R. Sinton, Regina, led in three year-olds with
Public Notice. A grand string of two-year-olds was headed by a roan colt, of great substance and quality.
Sinton was second with Rothesay Ronald. Regal Sensation. Healings went tro R. Leckie on
The Bruce, stood secont ning and superb action, was quatity of underpinning and superb action, was made champion, with
Gartly Bonus reserve A great string of strong-topped, clean-limbed
mares lined up in the aged class, which by Caswell's massive, black Mayoress, by Silver cup. Taber's Queen of Revels, by Revelanta,
stood second, and Lady Montrave Ronald was
third In three-year-olds the first three places were Cake of Appleby, and Nellie Lansdowne.
Two-year-olds were seldom is such a string seen in in a Canadian show-
ring. Bryce's Doune Lodgè Flooradora of Moray led with his Courth on colts by The Bruce. ${ }^{\text {also }}$ The sot third and with foals at foot lion, and Doune was the best Canadian-bred sta.
female.
Percherons-Never in the history of the Regina
Show has there been such competition in the Percheron classes. been such competition in the aged class witiry, Jureur. .ther shows, led in the the
three-year-olds owner with Pontiac. in two-year-olds with Pontiac, and got 1, 2 , and 3
Miscarnot.
on
Nolan,
Sylphant, Upper Bros. Led in yearlings with Futurity and
Stamperle. In brood mares with foal at foot, Upper Bros'
Quickstep won. Drewry's Flossy again won the eaged class, and
later landed the championship. the Upper Bros. were
second and third on Pauline and Venette. Two-year-old fillies wauliere and Venette. by Upper Bros.' Drewry won first and second in yearlings on
Glorianna and Glienette.


## THE FARMER'S ADVOCATE

derson got the best of the money in stal-
lions.
Shires-This breed made a rather small exhibit, A. U. Shakerley, of Pekisko, Alta., and O. Jopkins, Aneriey, creditable animals, busk., had out some very make a strong showing.
W. H. Bryce won the prize for the Clydesdales, bryce won the prize for the best five
Percherons beiont five animals were the mals of any draft breed were Grant's Clydesdales
W. Hest ten aniW. H. Bryce's champion Welydesdale mare, Countes mare or gelding, all breeds prize for best draft are or gelding, all breeds competing.

CATTLE.
comperition. Although the beef wealth of cattle whole were not Although the beef classes on the
the dairy he dairy breeds presented an in array which much surpassed the expectation of the most sanguine on hand with choice yuality and in Jerseys were bers, while in the beef breeds Shorthorns. Aberthe Saskatchewand Herefords afforded a sight for Shorthorns-Th isisitors.
L. Emmert, of Oak Bluff, Man., and R. WV. H . well, of Saskatoon, with their and R. W. Casings amous Shorthorn cattle left nothing wanting in second to none on the Their stock has quality classes a goodly number continent, and in most Local breeders, however, did not take the interest in the show they might have.' This was exemplifor the hot bringing out their herds to compete The ribbons w
past shows with the placed on favorite winners of
were ruado in that a few changes Gere ruade in giving the championship awards, Gainiord Marquis, that smooth bull with great
sale, owned by R. W. Caswell, took the pionship, while H. L. Caswell, took the chamRoyalist, was made reserve grand champion. In the females, Emmert's Sittyton Lady 8rd championship was taken by Emmert's Ducheserve Gloster. They werz both very smooth, types of dividuals and well worthy of the honors obtained Herefords-There were three main exhibitors in
Herefords, L. O. Clifford, A. Chapman, of Hayfield, Man., and Mossom-Boyd a credit to the breed and the kind that ncpulare izes. They are sinooth, well-finished, typey aniraising individuals with such excellent credit fo tion. Many reversals occurred at Brandon, but Judge Robt. Miller, to the satisfaction of the
breeders, awarded the prizes much the same as breeders, awarded the prizes much the same as
they were awarded Winnipeg.
Clifford's
and Chapman's est award in the female classes The won the high winning herd competition was excellent, Clifford Aberdeen-Angus-Again Jas. Bowman, of
Guelph, Ont., exhibited against J. D. McGregor, In the bull classes Bownian secured the major took the lang end of the purse. Few comment need be made on the class of stock these two exwide as being two of the foremost bree Americathe very best of material. The placings mith Robt. Miller were much different from those by Brandon, but in accordance with the views of the In the bull class Jas. Bowman took first in
aged bull on Elm Park Wizard ; second in year-olds on Beauty's Prince ; first in senior two ings on Elm Park Mailbag 3rd; first and second Park Wizard 3rd. The smoothness 2nd and Elm tion and scale of Bowman's stock is excellent This may be especially applied to the aged bull Elm Park Wizard. This latter individual took in the reserve position.
sonior and the fales, J. D. McGregor obtained the Cherokee 19th, and the junior championship on on
Black Rose of for best three Angus calves and Bowman second and first for three, the get of one bull, with Bowman in second position, first place in herds also went to McGregor and second to Jas. Bowman. Ayrshires-The competitors in the Ayrshires
were similar to those that came before the judge Brandon and Winnipeg, with the exception of
few local exhibitors who brought in herds of no hean calibre that added considerably to the keen-
ness of competition. Itrsheed hardly be mentioned that the class of standard. In fact the best Ayrshire breeders

The exhibitors were : R. R. Ness, Howitk, Que.
Rowland Ness, De Winton, Alta. ; F, O. Harri son, Pense, Sask.; A. P. P. Hammond, Grand
Coulee, Sask. ; and W. H. Morston, Fairlight R. R. Hobbsland Masterpiece, was againg aged bull, the same owner's Broomhill Flora champion, and lar honors in the female classes. thase that came before the judge at either Winni peg or Brandon, owing to judge at either WinniHardy's herd, which put up such good competi tion. However, even with the absence of this herr, Fegina had the choicest competition in the Holstein classes. Not merely from the stand the standpoint of quality. The individuals com peting for the honors were certainly of a com rank, they being the real milk-producing kind
The sires in the breedy lot, and displayed to a marked exten dairy qualities. The exhlbitors were : Logan Robertson, of Ddmonton; H. Hancox, Dominion
City. Man., and A. B Poter City. Man., and A. B. Potter, Langbank, Sask.
The chainpionship in malea was taken by Logan \&"Robertson's aged bull, the same ownere Jacoba Johannia being female champion.
Jerseys-The Jersey

$$
\begin{aligned}
& \text { Jerseys-The Jersey competition } \\
& \text { stronger than antipated. }
\end{aligned}
$$

stronger-than anticipated, and some weas much
notch individuals of the top for compietition. Some of the entimals had ring winners at the large Eastern shows and almost unbeatable in Canada. Most of the top proses were taken by B. H. Bull \& Sons, of Brampton,
Ont. Their stock is certainly the rare good and especially the aged cow and two-year-old, bull are bristling with dairy points and Jor-year-old
type. Bull \& Sons received first and second in two-year-old bulls, first and second in second in twothe championship and reserve in the male classes. In aged females, Bull \& Sons took first
and second, while T. A. Cox, of Brantord, Ont was third, and W. M. A. Keax, of Brentford, Ont., Buil \& Sons took first, third and fourth. in two-year-olds on three exceptionally breedy look-
ing ones. T. A. Cox received ing ones. T. A. Cox received second place. yearling heifers on individuals well blessed in dairy points.
Bull \& Sons received first in heifer calves, while Bull \& Sons took the championship ribbon on
the aged cow.

The sheep display was a revelation to the
reople of the West. J, D, McGregor and Jas. Bowman, of Guelph, fought it out in Suffolks, the Sons, Teeswater, Ont., led in Oxfords. Arkell \&
Sobt. McEwen and T. A. Cox led in Southdowns. Cox got the major portion of the money in Shrop-
shires and Leicesters. STVINE.
The, excellence of the swine exhibit was very ratifying to the management of the show and tainly a credit to the breeders display was cero western Canada. The competition, especially surpassed even the mostires, and Duroc-Jerseys, surpass
Regina. part A. Cox, Brantford, Ont., won the greater in Yorkshires. money in Berkshires, and a fair share

## Fires Damage Exhibition Buildings.

 Sheep pens at the Canadian Nire broke out in the Grounds, Toronto, Ont. With a wind to drive ileys of the the fames soon ran through the long ew brick poultry buildinitures, and spread to the was gutted. A large amount of at hand, which making exhibits to companies and individuale destroyed.Following closely mpon this news came the re pert that about 200 feet of the hog and sheep hibition, Ottawa, had also Central Canada Exis expected that these will be replaced in time for the coming fair, but temporary sheds will be necessary for the poultry at Toronto, and it it
likely ine sheep will be exhibited in a large tent.

A school inspector's short course and Rural Fducation Conference was held last wural
August 4th to 8 th in Massey Hall, Ontario Agricultural College, Guelph, Ont. Many notable
educationists are included amongst the speakers.

C'ensus statistics in Ontario show an increase
in the weenkly wage paid farm laborers of 39 per
cent. in 1911 over that faid in 1901

## Markets.

## Toronto.

At West Toronto, on Monday, August 11, recelpts at Unon Yards were: 126 carloads, 2,645 cattle, 281 hogs, 144
aheep and lambs, 277 calves, 30 horses. cheep and lambs, 277 calves, 30 horses.
No sales. At the city yards there were 6 carloads, 113 cattle, 66 sheep, 30 celves. Butchers' cattle so".d at Sheep, $\$ 3.50$ to $\$ 5$. Lambs, $\$ 6.50$. 37. Stockers and Lambs, $\$ 6.50$ to 85. Calves, $\$ 4$ to $\$ 8.50$.

The total receipts of live stock at the City and Union Yards for the past week were :-

| City. | Uni |
| ---: | ---: |
| 19 | 28 |
| 277 | 3,9 |
| 83 | 5,3 |
| 912 | 3, |
|  |  |
|  |  | Cars.

Cattl
Hogs
Sheep
Calve
Horse

The total receipts of live stock at two markets for the corresponding wee
of 1912 were :-

|  |  | City. | Union. |
| :--- | ---: | ---: | ---: | Total.

The combined receipts of live 120 the City and Union Yards, show a docrease of 20 car loads, 1,677 hogs, 20
theep, 42 calves, and 107 horses, but an increase of 98 cattle compared, wit
the corresponding week of 1912. It will be seen by the above tables
that the receipts of live stock for the that the receipts of live stock for the
past week were not nearly as large as par week were not nearly as large as
for the previous week, nor for the corrorsponding weevious of week, nor for the cor
On that ac
count trade was more active, although prices for cattle were little better
There were plenty of cattle to suppl the demand, although there were not a many of good quality. Sheep and calves, as well as hogs, remained about steady
at the prices quoted in our last letter,
while lambs were fully 25 c . while lambs were fully 25 c . to 50 c . pe
cwt. lower. There was little demand from outside
points, especially
from Montreal, and this had the effect of holding the markat steady, espectially hor catding the
Exporters.-The Swift Canadian pany bought for Swirt and Company, Chicago, 160 steers for the London ma $\$ 6.75 ;$ also 150 steers for Liverpool,
1,271 lbs. each, 1,271 lbs. each, at an average of $\$ 8.55$. The highest price for exporters $\$ 8.5$ wa
$\$ 0.90$, while for the previous week the top price was $\$ 6.85$. Bold at $\$ 6.30$ to $\$ 6.70$; medium, $\$ 5.90$
and to 85.90 ; inferio $\begin{array}{ll}\text { lo } \\ \$ 3.50 \text { to } \\ \$ 5.50 ; & \text { canners and cutters a }\end{array}$ $\$ 2$ to $\$ 3.25$; bulla, $\$ 4$ to $\$ 5.50$.
Stockers and Feeders. On account the dry weather, pastures are and have
been failing in many parts of Ontario which has caused a much larger number
of young cattle to be marketed, especiof young cattle to be marketed, especi-
ally light steers and heiffers, and prices
ald these have declined or these have declined. A large per
centage of these came from
Eastern
On tario, which, being ill-bred and in poor
condition, were hard to dispose of at any price, some selling to dispose of at low as $\$ 2$ pet
cwt. Choice steers, 800 to 900 lhs. sold at $\$ 5.25$ to $\$ 5.50$. Cho:ce steer:
700 lbs., sold at $\$ 5 ;$ common to mediun teers,
$\$ 4.50 ;$ stock
2 to
$\$ 3.75$
Milkers and Springers.-There was lit pringers,
mana, and a quiet trade all week. Price sales were made betw, and the bulk Veel Calves.-Good to choice calves kere firm all week. 9. good at $\$ 7.50$ to sold at $\$ 8.50$ to © $\$ 6.75$; common, $\$ 5$ to $\$ 5.50$.. 84.75.
Sheep and Lambs.-Sheep were firm all


## Buffalo.



## Cheese Markets.

## 



 Waterttown, 13 ck . to 13 sc . ; Bellevill
Ont 12 za
 12 zc . to 12 gc

## Gossip.

Attention is called to the advertise-
ment elsewhere in this issue of Dawson's ment elsewhere in this issue of Dawwon's
Golden chaff seed wheat. Geo. R. Barrie Goluen chatifeed wheat. Geo. R. Barrie,
Galt, offers this at a reasonabie price,

Attention is called to the advertise-
ment elsemhere in this issue of aditer Shetland ponies, this property of Hon.
Miss Hicke

 are quiet under sadde or in harness,
each being four years old. Soe the ad-
clydesdale fillies to be sold. sale s. Finay Ont., last year., is leaving the old Land which should reach London consignment, August 27 th. The fillies ante a about lot, bigger and thicker than are are and
those brought out last year. $\left.\begin{array}{c}\text { One } \\ \text { or two tho }\end{array}\right\}$
stalions of exceptional merit
will brought out. The date of the sale is
September 6 th.
Look $u p$ Mr. Finlay son's a advert isement.
central canada exhibition. The free transportation of live stock
from Ontario and Quebec points to the Ottawa Exhibition, has worked up an
extra denand for the 1913 reize livts the Central Canada Fair. ${ }^{\text {Many }}$ never competed at large exhibitions will
make entries. The increase of the cash
Then prizes to $\$ 280,000$ is in another inducement o such a bix teature of the coming Central Canadn Exhibition that the
directors have arranged for thre tye 4irectors have arranged for three live
stock parades around the race track, to take place on September 11th, 12 th and
13 th of championship will be special displays on the two
of the later days. The daily programme
contains an unusual number or edicaional features ne interest to farmers.
and which will he under the direction of experts Irom Dominion and Provincial
Departuments armers will find the new $\$ 100,000$ ing-
hement hall, in itself, worth a trip to
 ncturing many of this yoar's design,
vill be made by manufactures of the

## Questions and Answers.

 Miscellaneous.
## Squabs.

bliged it you would indors, I would be me of a iable book on the matter of raising Ans, -Squabs for Profit, by Wm. E.
fice and Wm. E. Cox.
It may be had


How Girls Take Up Claims and Mak By Mel By Mabel Lewis Stuart.
[When we see the multitude of able-
bodied young men hanging around Broad way hunting for somebody who will give greater number of young women laboring away in offices or idly waiting for some admiration goes out to the girls of the West who have the courage and enter-
prise to carve out their own fortunes Prise to carve out their own fortunes
and make their own homes. You may find and make their own homes. You may find
them on Wyoming ranches, in Tifal forests or on Dakota plains; indepen-
dent, energetic and cheerful : out of which to build a future common
wealth] In the western parts of North and tana are vast stretches of country for merly inhabited only by the occasiona cattle and sheep outfit, an'd the atten-
dant cowboy and herder, but now be coming thickly peopled by but now be the genus homo known as the "Hon-
yocker"* or homesteader. It is probable that. in the mind of the average
Easterner the homesteader is aver Easterner the homesteader is a slouchy
indidual of the lonely bachelor type who smokes a stub pipe, lives on pan-
cakas and bacon, and whose cakas and bacon, and whose occupation
of "holding down a claim" is never al lowed to become irksome by the intro duction of hard work. It is undoubtedly rua that such individuals do exist on
claims, but they do not by any means orm the entire population of the claim
country. On the contrary centage of these pioneers of Uncle Sam' are not even of the masculine sex. More
than one-third of them are women who are thating an active part in the who
are
building of a new country and incidentally acquiring one hundred and sixty acres of Uncle Sam's land. So it is
evident that the "typical homesteader'" may as fairly be considered feminine as masculine and the- "Lady Honyocker" as try as the man. is 1 aking her part with zest and courage in the development of those
stratches of country which unt stratches of country which until a few
years or even months ago were a part or the still "uncivilized" West
as varied an aspect-although in ine dit lerent way-as to the fashionable young lady in New York City. But there are
features of the claim life of which the city young lady never dreams, or the the result of which, it she did, would prohably be the nightmare. To her the the railroad, in alone sixty miles from the wide prairie, would have shly terAror. Not so the girl on the claim.
Alone in her little shack, a mile from the nearest neighbor, she never thinks of fact. of the great distance from the railroad insures safety from tramps. Dis"The word "honyocker," we are in-
formed by a reliable authority, is from the Russian and in that language signifes "a greenhorn," "one new at his business." It had been borrowed
by the people who already lived in the Western country before it was throw open for settlement, and applied faceti
ously ously to the homesteaders with the
meaning perhaps of "one new at hie meaning, perhaps of "one new at his
business,", therefore "a blunderer." But
far from considering it merry comersidering it a reproach, our homesteads claim it a title of honor an
respect. The word is pronounced with of contempt, it hon-yok-er. As a tern
may curtailed as in the phrase "Only a honyock.
tance from a saloon, from drunken men. Coyotes? Well, to be sure, be afraid? timas hears them howling around at
night, but they seldom aper thaz, a few yards, and are easily frightened away by shouting or singing. Rat-
tlesnakes ? Perhaps tlesnakes ? Perhaps. She sometimes
hears and sees them. Should al rattler
coil to ander coil to attack, which he never does un-
less disturbed, she can easily less disturbed, she can easily run away,
but will usually return with a stick or gun to slay the monster. No, fear har no part in the life of the girl fear has
claim.
the ear'essness, her courage of doing. He The castie of the Lady Honyocker to ndependence are winning for the pionear is huilt
in girl the applause of the truest moderin a lumber mill near some pine gorest sith chivelry and have made her the subject which these states are pine dotest whith Outaide
of at least one real "claim ballad," of the boarde "The Girl on the Clajm," by Arthur Chapman. We cannot forbear quoting
entire this . Little bit ontire this little bit of western ming Tis a shack in the open-the girl calls And the winds of the prairie all murmur the name-


Carrying the Varsity Atmosphere to the Claim
his honyocker is a graduate of a univaim
Claim life is a decided change for most girin from the mode of living in settled and freedom, together with the added $r$ sponsibility of manag:ng one's own af
feirs, are irresistibly and healthfully en thralling. Girls who come out to the
claim broken down in clain broken down in health find the
can do things which before they would cen do things which before they would
have thought impossible. Some girls go have thought impossible. Some girls go
fifty, even sixty or seventy miles for
provisions, and provisions, and many of them sod up
their own shacks for the winter. If yout wish to form an idea of what this little
exercise exercise meanis, go out to a piece of
ground just freshly turned over with breaking plow, take a spade, cut a pi,iece of the sod about eighteen inches long
and carry it a short distance and carry it a short distance. Remember
that it makes hundreds of such pieces to sod up a shack, and you will undersitand

[^0]Sod or no sod, there's really a piano in this shack.

of the boards, black tarred paper it
festened securoly with largeheadea
tecks. The house to then sodidel tacker. The house is then sodded up to colness in summer.
Within, the little house is just what her books, pictures, magazines, gultar, and perhaps oven her plano and hand-
painted chine. The little home may
have the individult have the individuality and originality, though perhaps not the luxury, of a
Bryn Mawr or Vassar girl's room. fract, mawr or Vassar girl's room. Im
firls and their colloction ors are colloge girls and their collection of many collored
pennants and other college trophies grace pennants and other college trophies grace
the walls of the prairie shack. The fact that the tiny be kitchen, sitting room, dining moom, library, and bedroom all, in one-with usually 120 to 168 square feet of floor
space-makes the disposition of turn space-makes the disposition of furniture
and supplies. a serious atudy, the renuity displayed in the interior an rangement of these small dwelfing would do credit to a modern house-boot ng sanitary couck serves as bed by night and sofe by dey. The atorall
number O's, are tiny affairs, but com lete with four griddles and but an com hade, probably dry goods boxiture is hom corner cupboard reaching to the colling $r$ rather the rafters, is sometimes seen. as pantry and lanvenient affair-servige dish cupboald inen press and storeroom.
Varying interests claim the time and ottention of the hotmestead giri. The her piano, does her housewort, atirills thit hoir, tends her poultry and garden pild has some time left for her favorite palit ime of target shooting.
Household duties
cting on the claim, and more or leas on ut with the claim, and girls who come long holiday are surprised to bil beo busy they are. If-one is to five huw busy they are. If-one is to Hive and ${ }^{4}$ fifteen in one week) are to be property fod, breed muet bo made, the cooklo jar
kept alled, and other important detant apt filled, and other important detallo attended to. Before the cooking can be
dong, there is also wood to be chopped from the huge pile welore the door-it it possible for a cir! to become $=$ very good woodchopper.
leads a lonely the girl on the clatm easily disproven in the minds of anxinus astern friends. But a short stay in one of these buasy claim communitioe mould surely convince the most solieitoas.
Many times three or four giris take
claims claims
near together, buildinis
shacks their
only a few rods apart. The in Butte County. South Dakofa. Two ing claims and their brother took up adjoining claims and the three houses are
within a stone's throw of each other Another pair of sisters, friends of the first two, took adjoining quarters and near to the others as possible, and as would be a halp mile, the length of quarter section. The houses were comgroups could communicate at the two $t$ the day or night. Aside from this pleasant social uife reat deal ne to ter neighbors, there is a lonesomeness", on the claim in variou \& Redig. Harding. In the community ota, a little church has been started.
meeting at first in the shacks. As the Interest grew, a neat and commodious
building was put up. During the winter a series of socials, parties and literary and musical entertainments kept the
community humming. In the same settlement a young people's branch of the Woman's Ollistian Temperance Union was organized, and held several orator-
tcal contests, receptions and other social - affairs. Somerset parties were also very much the rage in this particular
settlement, while settlement, while at the neighboring
"town" (store and dance hall) the more gaily inclined found a chance to cultivate the "light fantastic.
It is not tof be thought that the talents
of the brilliant girl are wasted or of the brilliant girl are wasted or
buried in a napkin during her residence
on the claim. on the claim. Opportunities for social
ervice are nowhere greater than in the
cleim claim country of the West. One does pot need to live in Hull House
serve humanity. In a certain community serve humpaity. In a certain community
called "Harmony Settlement" of western South Dakota some young women had
come out amid the sighs and come out amid the sighs and lamenta-
tions of friends that they "out West to that awful uncivilized
claim country", claim country," But the young women
themselves viewed the themselves viewed the situation in an
entirely different light. In the midst onirely direrent light. In the midst
of the most primitive pioneer life-not without privation-a phrase often upon their lips was "We'll make our civilization." The west needs forming as much
as the city needs reforming. There of children brought up on the ranges of South Dakota who do not know that they live in South Dakota or the United
States of America
Surely the HonStates of America 1 Surely the Hon-
Hocker school teacher who rides sixteen yocker school teacher who rides sixteen
miles to and from her schood each day
may teel that she is may feel that she is doing a work as
important as ever Mamie Rose did for important as
Owen Kildare.
What think
in a street car in New York City ride mission in the slums to teach a Sunday
School class of street seven miles in the burning sun, over cacaeven miles in the burning sun, over cac-
tus and sage brush and through deep draws, to take part in a temperance meeting in the West
We are personally acquainted with one
young woman who young woman who supplied two pulpite
on sunday, driving several miles between appointments. A A
who had delighted
gitted
elocutionist who had delighted audiences in many
states invited '"all children under niner $y$ nine years of age" to a "safe and sane
Fourth" providing with a Ariend refre ment and entertainment. A trained nur Who commanded a large salary in the
city kept what was almost in reality free dispensary, so lavishly did she give
from her from her medicine chest in time of sick ness. As healing as the medicine wa
the outpouring of sympathy from her the outpouring of sympathy from her full
heart for her fellow creatures. Many a mile has she walked in the heat or cold to minister to $\AA$ suffering neighbor
and it is probable that many and it is probable that many a life has
been saved by her efflcient aid.
Bible been saved by her efficient aid. The
Bible class teacher in the Sunday Schoo at Redig had expected to become toreign missionary. But she took a claim and became a home missionary
delighting us Sunday after Sunday with her vivacious presentation of Jewtsh history
Our musician studied in a Chicago
conservatory and was offered a college conservatory and was offered a college
position, but she too came west and position, but she too came west and
took up land. She also took hold o the music in the little new church, di-
recting the choir, training the children, recting the choir, training the children
and making the o'd reed instrumen thunder and peal like a grand pip urgan.
Instances might be multiplied of th ennobling work of our young women in
the new West, and of their fine courage and determination. Surely they are to be congratulated upon the opportunity thus wisely seized upon-to become stabl factors in the economic life of the na-
tlon-and upon their adaptability, energy and perseverance in triumphing over the trying conditions of pioneer life. Bu
no less is our Uncle Samuel to be con no less is our Uncle Samuel to be con
gratulated that his pioneer country ha gratulated that his pioneer country has
so large a representation of that class of large a representation of that clility and sterling worth, th Lady Honyocker.

## Harding, South Dakota.

 permission of The Independent (New York), in which the article first appeared
Those who are intereated will find, in

Ingle Nook of this issue, some informa- mildly agitated over it, although he is Ingle Nook of this issue, some informa- mildy agitated over it, although he is
tion in regard to women farmers in so scornfully condemnatory of sporting
Canada] enthusiasm in general. Tncidentally

## Letters from Abroad.

the palio of siena.
Siena, July 3, 1913 My dear Jean,-As you see by the antait I am in ition soin I cond hoot


One of the Honyockers
$\qquad$ crowds, and whe me because she hates course would look like a river of blood strewn with smashed jockeys and dissome accidents, of course, there were
great it think she made a great mistake in not coming, for the oxeiting and unique spectacle. As the learned Harvard professor, who sat next
to me, remarked. "II the thent to me, remarked, "I don't suppose there
is anything like it anywhere else in the is anyth
world."


The Palio, Siena.
I do wish, Jean, 1 couid make you see erected for visitors, but the Sienese con-
it as 1 did, but mere words cannot gregate in the enclosed area in the cen
interper it as 1 did, but mere words cannot gregate in the enclosed area in the cen-
interpret so much life and movement and ter. There are no seats there and the
color. I cannot even send you any packing capacity is untine color. I cannot even send you any packing capacity is untimited. During
good pictures, as the Palio is run in the race, the people there are jammed so the evening, when the light is too poor the race, the people there are jammed so
for snap-shots. The photugraph I enslose ther you couldn't wedge a was taken in the morning at the last tooth-pick between them. trial race. You really must come to wakes from its accustomed lethargy an Siena some time and see the Palio for the excitement begins. Cart-loads of
yourself. I think even Jack would get sand are deposited
track for the race laid on the outer
margin. A number of horses are tested and ten of about equal speed selected, These horses̀ are distributed by lotected. solemn affair being conducted in the
Municipal Paace. After this Municipal Pa;ace. After this there are
six "Prove" (trial races) one every morning at nine-thirty and one every evening at seven-thirty. At each
of these "Prove" the pere of these "Prove" the palace is thronged
by an eager, excited, prophetic mass of people. The course is very difficult and
dand andic mater dangerous, being short, uneven, and
having a sharp corner which prove and having a sharp corner which proves the
Waterloo of a great many hopes. It is Waterloo of a great many hopes. It is
at this point most of the accidents occur, and sometimes horses and men are badly smashed. The horses are ridden bareback and each jockey has a
heavy whip, with which he belabs other horses-but not his own.
The day of the Palio began with a great pealing of church bells at with a $a$ early hour. The faithful were called to an open-air Mass, in front of the Muni-
cipal Palace, at five a.m. I had incipal Palace, at five a.m. I had in-
lended to go to this for photographic reasons, but at that hour my fervour was not as great as my sleepiness, so I missed the first event of the day. But the last trial race in the morning. All the rest of the day was filled with All citement compared with which an Agricultural Fair in Canada is as nothing.
At two o'clock the rolling of the drums is heard from every part of the city, and each Contrada marches in full re-
galia to the Duomo galia to the Duomo-that being the timehonored custom. . After this they dis-
perse and return and prepare for the pageant.
At four-thirty the ten horses competing in the race are taken to churcb to be Contrada it represents. church of the contrad it represents. There is a
special service, for this important occasion. I was very anxious to see this
part of the show part of the show, and was taken by
some Italian friends, to the Church of the some Italian friends to the Church of the
Eagle Contrada, which was at the Eagle Contrada, which was at the foot
of a very steep hill. It was a very unique performance. All. A priest in full
ecclesiastical vestments
it was. ecclesiastical vestments. conducted the service. The horse, magnificently ca-
parisoned
but extremely bewildered and parisoned but extremely bewildered and
decidedly balky, was coaxed and pulled into the sacred edifice, and led up to the altar by a knight in shining armour and
expensive plumes. The jockey stood at the horse's head. The men of the Contrada, costumed in yellow tights and
slashed doublets, slashed doublets, formed in two lines
down the centre aisle. The service was down the centre aisle. The service was
necessarily brie?, but the horse quite properly until the priest sprayed its nose with holy water out of some-
thing he held in his hand like a baby's rattle. This agitated the like a baby's rattle. This agitated the
animal to such an extent, that it displayed a disposition to bolt into the
side-seats, but was calme side-seats, but was calmed down by its in quietness, after which it took six men to get it turned around and out of the church again.
After this there is a general rush for the Piazza del Campo, streams of people
pouring into it from every street and lane and archway, until every availablo sight-seeing space is filled. The adjacent
rooss are peopled with spectators. The surrounding palaces are as brilliant as
flowers-ever decorated with tapestries and hangings,
and filled with people and filled with people.
At six o'clock a gun is fired, and im-
mediately the "Carabinieri" in their red mediately the "Carabinieri" in their red
cockades issue forth from the Municipal Palace and clear the course. This they do by walking completely around itevery thing being pushed ahead of them
like sweepings. Then the great bell of the Nangia
Tower, which is only rung on great occasions, begins to peal, and the pageant enters, headed by a band of trumpeters,
playing the Palio march. Following this come the ten competing ontrade, each one composed of a cap-
tain, five pages, a drummer, the jockey on horseback, a man leading the horse ner carriers).
faked up for show magnificent-nothing querading for silk, nor glazed cotton mas tending it is gold cloth. No ! These
costumes are the real thing and mint of money.
medienal. procasalion tis the exhibtion of
beanner-throwing by
by
the aro two with each division, each on farrying a beatititu silken banner ot about
fve teat suare, on which
are blems and colors of the contrada. When the drums begin to beat, these bo
 t complicatod movempents, during which the Allieri wind them round thair noecks, pases them under their legs, jump over
Hem, and finaly throw them
them

 a-futter with thete gorgouvashiudod ban-


 and Ah's of forty thousind spectators.
 ind madional pieture in the Art Galery
 ciual Palace, torming a mondertul bit of or
color when they are all massed together. Then comes the race. At the sound of a gun, the jockegy on
their horses appear and move to the the starting point. Three times round the ring they go. .Now the woit is ahead,
now the Ram is ahead, now the porcupine is catenhing up, now it it is neekeand-








 nhembivitoven to his wirt
him it hery practical English woman asted the reace was oold








 tha the Carabiineri had to torcility tear tho combatants apart, and lead the vic-
tro 1 trom the ield to a place of satety. sometimes the jockey who wins has to
 In the evening wo. went down to the
Contrada efurch to see the show.
The Sotratad ochurch to see the show. The
treet was ablaze with torches and the
the church bell was ringing like mad. A grand pow-wow was going on with the
Sockey
as
the center of interst.
We
We

 Walla were hung with the opriz pennants
of other years.
There
were thirty-one In onter thearse, There were tuirty-ne
in
eall, the oddest one going back to an early date in sixteen hundrad.
Wwo were inyited up-stairs to the ban-
gund were presented to the Hero the Hour but did not make the acquainAliter the August Palio, the banquet Cakese place in the streat. and on that
Oceasion the
 lectablo of equino daial wities. the most daOn the history of the Pailio there is just




 smitten with her herarme and gave her an seant iful horse as a present, temankring
that, although she could not manage old Tace horses, she could break in unruly
pots. Do try and get over here in time for
the August Palio.
Td dive to
like ogain

 Laura.

## Hope's Quiet Hour.

## Working in the Dark

$\qquad$ . . . Therefore, judze nothing the time, until the Lord come. And then shall every man have prai of dod. -1 Cor. III. 13: IV 5 , prais Go right in, and that is all ; There shanl follow stosill and find thee Help, sure halp." Several years ago a small gang of
navvies, working in an Fnglish cont mine
navvies, working in an English coal mine,


The Banner Carrier of the Wolf Contrada.
wise shut into a mall space by a cave
in entombed and wero rescued just in time
almost exhavatar Thes toxhauscad for want of pure air
atory of quiet
heroism Which is shining with romance. When
the rock fell they the the rock fell, they were at first almost
trantic with fear:
Then one Irantic with fear: Telten one of their
number said:
"Well, chaps, we mhall never get out of this alive, so wo may as well go on with our bit while wo
can." living tomb as steadily work in their
lietly as it they had been working under ordinary conditions. They all went on with
their "biti", until heel heir "bit" until they were too exhausted
to work. They did not expect to be
 were not working for pay, but from a
sanse of duty sanse of duty. The work their hands
found to to was done with their found to do was done with their
might-and probably the work saved
them from despair or insanity them from despair or insanity. They
did not know they were heroes-how could rough, ignorant coal miners in
such a case know that the world would treasure their deed as fine and beauti-
ful?
thoughts were not crowded and conined. They could mount swiftly through the of the great multitug on High. Think ing in the dark de stokers, worknight after night, doing after dair beas and ple on thef helping more famous people on thetr wey. more famous peo-
years ago a steanship weenty-five years ago a steaunship was in a narrow
channel, beset by reefs and sand-banks when a great tempest tossed her to and fro. It was difficult, to steer the ship
safely, but it safely, but it would have been impossi-
ble except for the men bel stokers stuck to their posts, below. The those nearest the furnace doors were in danger of being tossed doors were in
and their comrades had to the, and tweir comrades had to grip them by a ring-bolt with the other. They could
not see where the sid not see where the ship was Theing. A any moment she might crash into the
rocks; but steering was the business of
other men, and they had enough to atterding to to their own "bit." Fough to do
teen teen hours the danger lasted, For aix
victory was largely due to the the
Are you victory was largely due to the stokers.
Are you working in the dark? Do

you feel that your work is unnoticed and will leave no marls in the world ? which seem to have no chance of fullalment? A woman once said to me, when I was trying to make her see the
evil of indulging depression, easy for you to be cheerful, becauss have so many interests and are so much
before the world." Certan before the world." Cortainly, it is easier to fight. depression when one's
life is crowded with interests. but one can find interesterests ; but every
ife is in ing interesting and God. On tho On the stage the star player may
have the part of a servant, and a
player of eme player of less importance may play the king or millionaire. The interest of the spectators does not depend on the part
so much as the actor. A fine actor can make any part glow with color. So it service to God, it is ideal and beautifur, if you are living for sott, your yito it low and ugly, Our Master was as
kingly when Ho knelt with basin and
towel before the traitor Juda, towel before the knelt with basin and
his feet and loving him in odas, waithing his feet and laving him in spite of
known treachery, as when
Ho rode in
state through the city gates who the state through the esty gates while the
people threw their robes as a carpet bepoople threw their robes as a carpet be-
fore Him, and stouted thit praises.
The frst The first act seems more kingly, than
the second, for it was more difleult to loe second, for it was more diflcult to
do, and was the expression of more
beautiful love.
Have you a chance to do beautiful
things that only cod notice? Perhaps you are called to
work farthfully work faithfully for someone who is
treating you unkindly. Then remember you are given the opportunity of copying the Master in one of His noblest acts-His kindly service to a man who was at that
against HI m .
To-day a picture post-card came to
me to give to a little sick child. sender desires to little sick child. The God knows the loving thonght whit promoted the little act of kindness.
There are many kindnosses done in the dark, sweet apcrats hetweene aspiring
souls and their fod. The day souls and their fod. The day of the
Lord will light up with radiance thee Lord will light up with radiance these
forgotten deeds of love-forgotten by all
but God.
Therefore, it is wise to "Judge noth-
ing before tha time, until the Lord come, " as our taxt says. apt to fudge by outside appeareanco. One person is clever, beautifol or rich;
and is sulpposed to be very fortuneco nother is slow. plain or or poor fortunate. ne thought of much consequence. So emore man in the parable seemed to pick beggar at his and happler than the
But God has and desires the thaternal lovee them ell,
good of each; The rich man hai great good of each.
elping his fellowis, but wasted thes of helping his fellows, but wasted them in
prottloess self-seaking. The beggar was
too helpless for active work, but his proatless seil-seaking. The beggar was
too helppess for active work, but his
sufferings were accepted trustuolly, and sufferings were accepted trustiouly, and
his secret faith and patience won thio his secret faith and patience won the
praise of God. His name-Lazarue-do clares in one word nhe character.
means "God helpeth" ; and that is means "God helpeth"; and that is the
secret of the seauel, shown us by the
brief uting of the yell brief uting of the vell. Lazaru whe see his delly vietortes; only God could
tion to be tiie temptar tion to be impatient and complaining. his faith in tha Divine Helper, his hope
for the futura bleesednsss, which the rich man failed to get, because to was
not interested in th If the rich man and the beggar had been alike in their high ambition, the
riches of the one and the morrow other would have been ladders to
heaven. Then might the penter heaven. Then might the poet's wor
"That high-born child and the beggar
Passed homewarde side by side, For the ways of men are narrow, An English of Heaven are wide.
An English cathedral, which has stood heve sunk in a marsh if a bed would crete had not been lately built between its foundations and the insecure earth
below. This was done chet diver, who worked six hours chiefy by a dier water. "For five and a hall years
he burrowed under the hathelthen he burrowed unrier the cathedral, woark-
ing in the daric. the water ing in the dark. the water being too
discolored to allow the use of an eleo light. No one conuld supervise hime bict no portion of the work was scamped.'
That was part of the report of the

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preservation of the
sent to King Georg
Our work is always supervised by a
just Judge, with whom is no darkness
at all ; may He he able to say that the
work appointed to us has been as faith-
fully and unostentatiously done.
No one need work in the dark, for
God's presence will light up any life
with joy.
"That man is praying who doth press
with might
Out of his, darklpess into God's own
light."
DORA FARNCOMB.

The Children of the Forest a true story of a teacher's By M. Blanche Boyd. Chauter 15.
REMTINTSCENCES.
Our talks wera not always religious Por Mr. MeDonald and ways religious,
politics, and about thent tall politics, and about the possibilities o
the country, etc.. and it was so int|r. esting.
hection time had come around, and
ho wai asked to choose between voting
for asell-to co Yor a well-to-do drunken doetweon vating a
poor, honest farmer.
him to vote
tried to urge him to vote fomer. the tried to urge
as he was a Conservative.
Hepecially
 turn traitor and vote againe the the
Liberals he had always sided with.
twell"
 Conservative, the next best thing you
can do is not to vote at all, but vote
an can do is not to vote at all, but vote
accoring to the tictateses oo your con-
science."
". Conscience science." "Conscience 1 " he answered,
"men vote for the man who promises them the most, and can be bribed by a
glass glass of whiskey here, they dan't care
who gets in." He, however, did vote at all, allthe, however, did no
sometime about of toesh me for somotime about it. having had his toa
early and stayed. at the tean early and stayed at the barn for a long lon
time to make me-think he had gone to vote. make mint he had gone to
 the paper it speaks of England offoring tree Boers a home in Canada; 160 acres
imporions for the first year, farm implements to uct and thest year, farm
livelihood without tareal year livelihood without taxes, end what do
they give their own fesh and blood?
Why they and they give their nwn fesh and blood?
Why thy give us 200 acres of lland tree.
but clain all then hut claim all the pine orres of land free,
only wood that is wort the land-the only wood that is worth and anthing on on
the place. They give vi no provisions
nor implement nor implements, and it takes us years to the trees, cut them for up and burn to them.
the and it is many years before we can
get rid of the stumps. If we wan get rid of the stumps. If we want to
earn any money we must go to the shanties or mines in must go to the
farin has minter, then our

 at the meatiage st strust trade everything
to pay $\$ 12.50$ a yoar there $I$ have got

 cut down the pine in our woodstave to to
Government and leave our own work avornment and leave our own work,
and we get so poor that it is imposiblos
for for us to leave the country. impossible
TThe country is not organized: men take law into is not organized; men
settle dis. their own hands and
 finds out that we shoo the government
get fout for our tinnilies animal to get fond for our fanilies, out of season,
we arefined, while strangers are allowed to come during hunting season and kilh all our animals on while season and kill
working. They treters are working. They try to make us raise
$\$ 125$ to pay a rencher and to raiso halt
 we are to ropurreft or a mit minstor, but
are seized and sold to it, as some now are seized and sold to pay the teacher's
salary
 and cattee enough to feed their horses
anave to turn the poor
beasts beasts out in the forest in the dead of
winter to hunt for winter to hunt for a living, where they
sometimes die." If there were any people enterprising
 there were conl and silver mines in itht the
surrounding country, and, having been a
miner. he In regard to my questions about the fertillty of the land, he said that the
land consisted of sand and sandy loam
soil, in which wheat and potato growt
is good, but that it really barley-producing. coumury was a grea crop averaged ahountry. The whea
to the to the arre. Small vegetables could be grown, but the land was not cleared
sufficiently for great crops sclimate was too changeable. perature ranged from 45 below zero to 120 above. The country was subject t rrequent rainfalls. heavy snow-storms
aud severe frosts. which made it difin cult to grow fruit. or vegich made it difl-
cogles, as the summer was so short. Being, woond,
the land was naturally fertile and the land was naturally fertile and pro-
duced a quantity of raspberries, blueberries, cranberries (low bush and high bush), strawberries, gooseberries to aigh green berries, but the currants and winter on these.
As it is a naturally cold climate only
two kinds of nuts are found and they never amount to much, viz., the hamel and beech nuts. (For the benefit of
those who do not. know, I shall tell you that hazel nuts grow on bushes) The trees chiefly nuts grow on bushes.) such as pine, tamariact, of evergreens, maple, black oalk. ellm, beech, birch poplar, cherry and hawthorn are also
to be found, and these different kinde are used for various purposes, such as pine for the Government and fuel (pine hat the Government will not accept for shanty "bunks" for for bedding, cedar locks for shingles, and birch for making "jumpers."
The flowers
hose Round in "civilization," "at the Iront" or "down south" as we called ders
dern Ontario.-lady"s slippers, ad-
tongues, rad and white lilies white, yellow and blue violets, mayliew, ers as well as many beautiful vines and
ferns. ferns.
The
miles
miles Nastional Park was only four milles east of us, and it was here that a heavy fine imposed upon trespassers. In the forest are to be found not only lynx, wild cats and wolverines (the last hree mentioned being somewhat similar), moose, deer. otters, beavers, (Mr. Smith gave me a straight stick which
he found at the heaver dam as a keep-sake. This was all peeled by he beavers and cint by them; the marly bade by their tenth in stripping the martens, weasels. minks, grey, blacly and red foxes, $\begin{aligned} & \text { Eround-hogs, } \\ & \text { skunks, } \\ & \text { rabbits }\end{aligned}$ musk-rats, (the poor dogs used to come porcupines gir mouth all torn and home with cult full of quills. which it is very diffAfter extract and flying squirrels. where we lived. one might a half from hundred miles Fast, and nevar come A Frenchman had shot a fawn but not
killed it, so he put a bell arover neck and it wandered all around its country and came up to our house one near enough to pet, managed to get it moved it scampered off. Having ha we country. kinds of animals in the something abourally wished to know trappers and hunters way in which the turing these animals. The succed in capwith ar to our rat. traps, I mear trap is
withose centre upon which bait is plan in the two half circles of iron placed, and
sharp cruel teeth, which with when the plate is shich snap togethar strong chain is at.tached to
ing tree. A long ing tree. This is a very cruel methorpaw, and sometimes is in inght by one
hours until hours until the hunter is in agony for
its sufferings. its sufferings. Smaller traps of this
description are usad to other small animals, but, as is often the
case, the poor cats. these thap poor cats and dogs get instead, and many arto
and have to and have to be killed. Both are lamed hig cats had shared this fate, which so
enrager the boys that they trap that was set, nt the dam, and kept
it for months. In order to capture the deer they Tour it pail of vary salty water, and in the clearing. The deat the ground this and corae to the deer will scen scen

 then shoot theire unsuspeocting vicitima To watch moose they generally have ovening to drink at the ourek ind the this. way the dear aro otten obtuliped too
rine plan laid to kill foxes was rather
unnue come out on a hright mont rull so, on one occasisin, Mr. MelDonanald toold me one of the Froanhmen who had a
Violin , went to


 playing gome eime the foxes, attracted
by the music, cume in outie large
 tumturs.
When


 | uncommon thing for them to come home |
| :---: |
| with | with their foet tora, memich somowed home

 fish are very nummarou, and the settluer tate the advantape. belofere riverodiriving commences, to catch a large quantity of
them. Mr. McDonald and the boys them. Mr. McDonald and the boys
started after dinnar and walked about thres miles to see what they could get in this way, and succeeded in landing sides a quantity that they caught for others or gave away. Four men left the spot with a wagon load of these
fish. So black was the water with barefooted and snatch the fish with their hands. The business of cleaning and salting the fish down may be better
imagined that described, imagined that described, and if fish are
good for the brain. we certainly ought to be very learned. We certainly ought fisherman these settlers used to take an

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Pren Paul and Duluth without change. Ticket, are
alotion sale via
gation Compary. Full particulars from any grand truni agent.
way the poor things did not suffer by lying on the warm ground with a blaz-
ing sun beating upon them. ing sun beatisy upon thern.
The governnient offered the settlers twenty-five and firteen dollars for bear and wolf skins. hut only twenty-five
cents for the skins of smaller animals: the consequence was they soldom troubled to shont the wild animals un-
themselves with good for food.
Mr. McToonald kindly or his rifle one evaning just shoot out he waid for this was the time they genenaion,
chose, although chose, although many of them generally
Sunday in this way.
very fing Sunday in this way. of them spent
very fine one, but. very heayy rife was
me rather
called, but I wan compensated by thi 1act that the mark was hit,-a certain joyed playing games to be done, and, as a chtt, liked we games better than shooting with a bo Mr. MeDonald whs going to build barn, so for thin purpose he cut down split themi w/th the ave bark of and sides, and then at ave to form four at elther side to form and out ane chit
which another log Which another log would an opening it and it we
wonder:ul how cuickly he did it and hem well one log Attort into the other, to that in the building not one nali wae
used in the loge. The log houses are used in the logs. The log houses are
made the same. And also tablee. For
chipping, the chipping, the adzs was used, For the shingles he brought home
some cedar trees and cou them in
lengths of about a foot or more, cut each block into a fons parts, and with cut "frow' and a birch parts, and with block of birch so cut as to form
handle and hammer) handle and hammer) be split the
shingles from the cedar bit reason he used hirch mallets was
cauge they cause they were vory hallets and would be
stand so much hammering bell ing so much hammering before waen-
ing. Whan several shingles had thus heen cut, he put then on his "horse". which instrument pat thas
been before mentioned been before meationed when used in the
tanning process, and with he made the surface smooth. He kindly let me make one or two shingles. By means of levers the huge logs for
the barn were raised the barn were raised, and it was not
long bofore the granary was comploted Iong bolore the granary was completed. they splitit holl.w logs down the centre and place them on the roof so that
they link into oach other, which allow the rain to run down in these llittle
grooves. The sides are jointed


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The Ingle Nook.

haps, more than any other agency to
remove from this old world forever the sort, of stigma which harld forever the all toon
long, hung over, manual labor? if long, hung over. Manual labor? If
women, and educated women at that,
find honor and find honor and pleasure in doing manual (plus mental, of course) work, why
should men shrink from it ? Will it should men shrink from it ? Will it
not be grand tif their efforts should result in making people everywhere realize that the kind of work one does does not matter in the least,-that what we
ourselves are is the only thing worth thinking about?
Really, it seems to me sometimes that
women are like the Chinese : Both have hibernated, more or less, since the beginning of time. but now that they are
thoroughly awake, there is no knowing where they will end. right of l-That spasm doesn't count think of the "militants It is a symptom, maym doasn't count. one: just a fever spot, that a passing
away when away when women are recognized, as
they will be some day, they will be some day, as human beings
rather than as "only women." But I know you are anxious ta get to
the letter, so good-bye for this time the letter, so good-bye for this time.

Victoria. B. C., July 10, 1913
My Dear.-It is to be My Dear.-It is to be hoped that you
will not "take a fit" at the sight my writing, and the heading to this letter. I have been in Victoria for a month now, and every day I stay
love it more than the last. I came with Mrs. J.
cattage out on the Gorge, Which is an
inlet running in tre inlet running in from the sea for abou five miles, and beautifully wooded on both sides after the city limits. We,
come out from the city either by motor boat or electric cars, and have a movely park almost at nur door. After Calgary you can understand how much tha
means to me. The prairie has a beaut all its own, I admit, but give me bhe
wooded country every wooded country every time. To-day al my thoughts were with you and Miss $P$.
I wished you could both be with me, I wished you could both be with me, as
I knew you would both be very much interested in what I saw.
An English woman
met in Calgary, hunted meurnalist, whom asked me to come out and see her and a farming school for girls, which a wothe city. of course, I was miles from glad to go, as I knew the drive was sure to be Tovaly (all drives around something that. thought I might find How I wish you could have intest you. me! I know you would have enjoyed I left town or looked rather cloudy, had the whole motor-stage to myself except the driver,
who was rather kept his eye steadily on the road ahead of him, and made comments on life in eneral and Victoria and its surround-
ngs in particular.
Every bit of the Every
bit of the road is beautiful, residences, first through lovely suautipul,
filled with earban olldel with roses and and all kinds of gardens back to old home days. Which took me
dences came treat dences came fruit and After the resi-
and then we and then we went and vegetable farms,
a beautiful wood wonder whiful wood. I had begun to
we suddenere it would had
whe we suddenly rounded a corner, and, when
one side, lay lovely Cordova
and and erey and grey in the mist Cordova Bay, ©im
on the other lay on the other, a, thickly wooded over ith.
had been told had been told ton ask the driver to , let
me off at the Haliburton trail few minutes he stopped and said, "Here you are, lady, iust follow and said, "Here
that hill ; trail up that hill; keep, on climbing until you
get to a house." Thore before me, lay a narrow trai
up a steep hill so thickly it would have been impassable except for the trail. I shall never forget the
climb alone in the silence tor woods. Every the silence of the deep
beautiful to brought somethin beautiful to view, wild flowers thick at
your feet, trailing vines your feet, trailing vines, towering trees
and beautiful (almoost tropicel) all arountul (almast tropical) growth
thick in and you. The bracken grows thick in all the woods bracken grows
as high as a tall mand here and as high as a tall man, and the scent
from it is lovely. Here and there were fallen trees
stretching from one high point
hill to hill to another one high point of the opposite side o
the trail, and covered with thick the trail, and coverred with thick, green
moss. They formed a natural bridge


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Give these stockings and socks the hardest wear hose know. They
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## Holeproof Hosicmg

Every stitch is guaranteed for six months; not just heels and toes. Here are hose that will stand the most strinuous sports. We even guarantee,
for men and women, three pairs of silk Holeproof Hose for three months.

Silk From Japan
We could buy common silk for Holeproof. But we send to the North
of Japan for ours, for there it is grown as it is nowhere else.
74c Cotton Yarn
We could buy ordinary cotton yarn for as low as thirty-two cents
per pound. Yet we pay an average of seventy-four cents. Our inFor the past thirteen years, since Holeproof were first made, 95 per
cent have outlasted the guarantee. The above figures refer to Holecent have outlasted the guarantee. The above figures refer to Hole-
proof as made in the States and Canada. Try it-buy six pairs of proof as made in the States and Canada. Try it-buy six pairs of
Holeproof today. See how they are wearing six months from today. Sold in Your Town
The genuine Holeproof are sold in your town. We'll tell you the
dealers' names on request, or ship direct where there's no dealer near, dealers' names on request, or ship direct where there's no dealer near,
charges prepaid, on receipt of remittance. Six pairs of cotton hose guaranteed six months, for men, cost $\$ 1.50$ to $\$ 3$ per box; for women and children $\$ 2$ to $\$ 3$ per box; 3 pairs for children, $\$ 1$ per box, three Three pairs of silk Holeproof guaranteed three months, for men and women, cost $\$ 2$ a box for men, and $\$ 3$ a box for women. All colors.
Medium Cashmere Socks for Men, 6 pairs $\$ 2$-fine Cashmere 6 pairs $\$ 3$. Women's fine Cashmere Stockings, 6 pairs. $\$ 3$. 6 pairs of Cashmere are
guaranteed six months. Write for free book, telling all about Holeproof:' HOLEPROOF HOSIERY CO, OF GANADA, Ltd. (45)

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 trembling lest they tall on you, and a
funny grunting noise made you think of
bears and all sorts bers and all sortso of wild toniongs. You
were much amusad afterwards were much amused afterwards to hoar
that the noise wos from ground-hogs. that the noise was from ground-hogs.
Hore and there ha pheosant ran acrose.
your path; there are many beautitul your path; there are many beautiulul
ones here. I was really sorry when I
reat hed ones here. I was realy sorry when I
reached the end of my journey, and the
two pretty chalets. reached the end of my journey, and the
two prety. chalets, which house the mhe
tress, stay and students of the tarm tress, stag and students of the farm.
came to view.
Miss Smith. who is sole proprietor
and originator of this scheme is and originator of this scheme, is a ro
fined and culturad lady, born in England with an English tather and a Canadian
mother. She is the mother. She is the granddaughtor of
Haliburton, who was .ssam Slicter Haliburton, who was "Sam Slick" of a
generation ago. She has travelled" exgeneration ago. She has travelled ex-
tensively, and. now has chosen this
beauthtion apot beauthlin spot to make a home for her-
self, and, while trying to make it a self, and, while trying to make it a
paying proposition, is also doing much paying proposition, is also doing much
to help her English sisters who wish to come to this country with a small
capital to invest. capital to invest.
When in the East we hear much of the When in the East we hear much of the
hospitality of the West, but it has been my experience that it is only the English in the West who are truly
hospitable. There is no one who can put you as much at your ease or make you feel as much at home and welcome
as an Old Country woman fusses and worries you with unnecessary fusses and worries you with unnecessary
attentions, and you nevier feel that you are worrying her. Miss Smith was
most cordial in ty gave us all the information kindand showed us all the workings of her project, which is just a year old, and
which she hopes will work out into something much larger, The house is on a plateau at the top of the hill an
from the verandah you the waters of the bay to san Juan
Tsland lying in the Island lying in the distance with, be
hind -it, Mount Baker raising its peak against the blue skg
With thoughtful care Miss Smith had a tent erected on the shore so tha When she came to the farm frst, one of the cottages had been built, but only a very small portion of the land clear-
ed ; the trees had to be cut down ed ; the trees had to be cut down,
stumps blasted out, and everything made ready to start work this spring.
The girls start in with untried land and gain the oxperience needed lor With a small hut expert staff of teach ers, she manages to give those under her care a fairly wide knowledge of all
that is necessary for successtul farming and home-making.
The girls pay four hundred and fifty dollars a year for tuition and board,
and leave a deposit of two hundred dollars with Miss Smith, so that it ill-
ness overtakes. them or they wish to ness overtakes them or they wish to
return home to England, the money is there for them: if they remain until that much to start oney are sure of
this me a very wise provision. An old fary wise provision.
cellent practical traint gives them ex-house-keeping, each girl tâking one weel out of every month in the kitchen.
There is a special teacher work, and, judging from the laundry I saw of snowy linen, she must be an
expert. The dairy, with its white-washed walls
and cement floor, was the picture of cool cleanliness. and was not too well supplied with modern appliances, so so
that the girls who had to start with very little, might be able to start with
things and make the best of whathout hau. Everythink seemed to be worked out on that plan. Miss Smith's niece
had taken an acre of ground for hereele fenced it, even digging the holee for
the pickets, ploughed it and planted it with small fruit, and vegetables.
There were bee hives, and bee-keeper to give instructions ; a young
orchard was set out, and the one man about the place taught the one man
gratting, and care of trees. altang, and care of trees. There was
a large poultry yard and incubator where all kinds of poultry were being raised. I heard much talk about the
"intensive", and other methods which I Intensive" and other methods which I rabbit butches full of young rabbits. These were expected to bring in gabbits.
returns and rabbit is much in demand trouble, and rabbit is much in demand lor the
table in VIctoria.
An acre of strawherries was giving

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stroyed. For twenty years
we have employed we have employed Electrothousands of cases for the sure and positive removal of
this disfiguring blemish. The use of pastes, liquids and powders to remove hairs from
the face, neck or airms the face, neck or arms only
makes the growth, worse
Cutting, pulling burning and makes, the growth, worse,
Cutting, pulling, burning and
using pumice stone are equal using pumice stone are equal-
ly as bad.. If you are afficted and want satisfactory results
take advantage of reduced fares and come for treatment
during the Exposition (Aug. during the Expos
23rd to Sept. 8 th)
MOLES, WARTS SGARS Ruptured veins, amall birthmarko.
moue mate
mate, cowlith, brown



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VID Rankin was a big farmer and he knew his business. He owned the largest corn farm in the devoted his life to the pleasant study down in Missouri. He devoted his life to the pleasant study and practice of right farming, arming. This is what David Rankin said about the manure spress o
It is the most efficient money-maker on the place ', manure spreader
is in keeping with what all the agricultural other farm machines, but it Soils rebel when crop after crop is taken from them, without regnizing. fertilizer. Witness the abandoned, worn-out farms of New England. Return every bit of manure to the soil by the spreader method. The will spread evenly, and will make one much disagreable, hard labor,

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convince him that he has made the wisest purchase. Every deiail in the construction has a purpose for which it purchase. Every detail in tests and experiment. They have the maximum of strengthough endurance, and their construction bristles with advantages You will find all styles and sizes in the I H C spreader lin always evenly, up hill or down. There ary coat, as you choose, but with steel fr, up the choose, but possible service. Tractive or reverse aprons, but always giving best wheels well under the box, carrying nearly by position of the rear wheels well under the box, carrying hearly three-fourths of the load,

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look the I H C spreader line over at the local agent's. look the 1 HC spreader line over at the local agent's. There is
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much trouble, as the runners grow so
last in this country and the would persist in springing up. There also a mall green-house with a pro ars, cut flowerg in ${ }^{\text {ich }}$ beautiful flowmuch in demand, as everywhere are not roses grow, and everybody has a flower arden of some description.
much the better for these and so have come from hoines in England whet they have never been trained to meot emergencies. Our hostéss had meet made a great deal of her own furniture,
hoping to get the girls interested in haping o get the girls interested in
making use of everything within their Most
interesting of all was our
hersess
herself. gracious manner, her deep sense and her inheriter from her grandfather, and her mixture of the practical and man's farming schools in Canada, wind deserves much credit for her courage in tarting this enterprise. She quaintly was the courage of ignorance. the staff and sate have dinner with enjoyed the meal prepared by one of the girls, all the vegetables being grow the land. They are a healthy and enjoy the life of girls and seem to loaking more like our itho harese duchess, with her beautiful golden young Wh complexion and. Tegal healthy, with their lite be happy and beauties of nature all around open, the to bathe in? the Pacific and its waters to bathe in?
was time, as the it all behind when it trail for and its dream of that peaceful spot come, and only wisa for mont come, and only wish you could have
been with me to share it all.

Witer lilies
letter, which help printing the following lovely white water lilies, just for of the
surgestion suggestion of heauty and "coolth"- as
Kipling it may inspire some more housekeepers
to go out "'pold finding out what it is like creeks," and once in a while. from "pots get away, kettles and cans."
We put the lilies in a shallow We put the lilies in a shallow pan
filled with water. so that they rested flled with water. so that they rested
on the surface as when in their "country," and you should have native how they opened up and spread their
white petals out. to the sun. Nearly
every everyone about the offices peeped in to
see them, and so a number of people
had reas and had reason to thank "M. D." Water
lilies to a city are castle. whether if J should bend wondering water lilies it would be "sending coals risk it. I hope they may reach docided to fore their freshness and fragrance have
departed. If you could only have been with us is in the greatest part of the pleasure is in the gathering of them-or, if you warded us, I'm certain beauties that re Joyed it as we did.
So you also lou d have enblossoms, I've always thought them the most beautiful of the spring blossoms,
nd was delighter ame mind Welland Co.. Ont. Yours sincerely, M.

Dear "Finding it pleasant." Che Ingle Nook so long I I feel as if
Should be chautterers, yet this is lill as any of the to express my views. Thy first attempt thought you have put into the and
has not the helps and been wasted, for the splendid dieed. I cannot are very welcome incare of a mom dislike housework why so
 Of course I belienve in all ath abor sactive.
devices, and think every woman saving

AUGUST 14, 1913
should do what we have to do, expenda woman wishes to, she can do her own work and yet he interested in other
things besides work. Let us just live each day, making. in it ittile bright us. Ir am sure our paths are in more pleasant places than those of so many
wo read of in far countries. ${ }^{0}$ read of in far countries.
May I sign myself. . Kidalesex Co.." Ont. "Lover of the Woods." What a happy pseudonym you have
chosen. I think you, too, have been dreaming of water hilies and other lovely things, Don't you think "Lovers
of the woods", always know how to to find of the Woods" always know how to find
amusement and happiness in
 how. to glean the "harvest of a quiet
eye.."-And now, thank you so much tor eye."-And now. thank you so much for
your encouraging words.
They are apyour encouraging
preciated, inded.

## finding fault.

Dear Junia, -What would we do it it
were not for help trom "'The Farmer's Advocate." I would please like you to
give me a fow points on ""hysical give me a fow points on "physical and
mental harm of finding mantal
oblige,
harm
ond
Wentworth Co., Ont. subscriber.
What a task you have set for ho by finding fault, with the weathor-and
 the worse it seems,-so, perhaps, there' ${ }^{2}$ a paint "Physical and mental harm of finding
faut ${ }^{2}$ ?-Well, we all know what continual ""anger". ${ }^{\text {is }}$, the whe who
finds fault "with Ands fault with avery thing that cames
up, always looks through blue spectacles, and never sees the bright spoots at all. If she (or he) dooss't become a nervous wreck herself (himself) she (he) is rather
sure to make nervous wrecks of every
 dreadful oh. or a French "on" once in a whilo!-But there, this is grumClearly, an ootimistic frame of mind, is worth cultivating, were it only for
the way it lubricites the wheels as wo go. Being able always to ", see the
gilver
lining to the cloud," and to make the best of things" is an invalu-
eble posssession. and indeed somere who go so far as to wish to alose
their eves so tiphtly that
 would scarcely be well if all the world
were so built. There wrongs, and if no one will from them-how shall they be righted ? is to see absolute Truth-the many folk the bad-things axactly as thes ore and of prejudiced, is mut int important not to Perhaps what I meanot be "prejudiced." must not permit ourselves to be biassed, persuading ourselves that the bias is Both Sideo-aud, also, natanco-to see Allowance. We are not perfect our-
selves, so we should
try
not to all fault who hase who slip. "He Tennyson.
Here uggest what you quotations that may "Dare to be true, nothing can need a A fault, which needs it most, grows If lovers should mark everything a Affection would he like an ill-set book,
Whose faults might prove halr a volume."." Bad men excuse . their faults, goo
men will leave them."
Ben Jonson. "Men's her faults a little blind. appear."'-Shakespoare. "Our virtues would be proud, if our
taults whipped them not.,"-Shakespeare "Love, that covers multitude of sins,
Makes 1 Iove in parents wink at children's faults." "O, what a world of vile. ill-favor'd pounds a year."-Shakespeare.

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young and tondar. When seealed away they. aro very doo doolious ams
winter use, elther
 mads into
methods :
Boets with Horseradish :-Boil twolvo beots, peel them and panci- in storillted
jars.
Heat 1 quart of vinegar with 1 teaspoon ginger and 1 teaspoon of macee:
strain, then strain,
horseradish. bolling hot and neal at once.
Cann3d Beots: - Tseo very young, tonder
beots.
Cook in cold water and beots. Cook in cold water and poor.
Put them into hot fruit jars, then ali
the farg int the jars with boiling salted water,
teaspoon salt to a quart water. on the rubbern and gless wators Put and
stoean for one hour steam for one hour, then screww down
the sterilized tope, and boil 15 minute longer. Unless very young beets are used cut them in milices. - Boston Cooking
School. School.
bolit 30 minutea :-Choose young beets,
beet beet, in jars. .fil and gkin. Pack the
place the rubbers onth cold water, tops on. boiler, and all the jars on rack in
depth of the jars withe to half the on the cover and with cold water, put
oner one hour.
Remove Romove one jar at a time, screw down
the lid, replace in the boiller, put the cover and boil for boiler, put on
Instoad of water. may be ussd.-Pictorial Revinw.
Sugar Cookies :-Cream together 1 cup


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tionary and portable), scales (platform and portable), art exhibit is to lovers of the beautiful in pictures. Write to-day for our free catalogue. Prepare your self to see a practical demonstration of the machinery therein listed in which you are interested, and learn
more about our goods that you are now using
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Branches : Winn

butter, 2 cups sugar, and add 3 eggs,
well-beaten. Next add 1 cup sour weil-beaten. Next add 1 cup sour
cream, 1 teaspoon soda, and anough
four to make a soft dough and bake in a rather yuick oven for 15 minute
Tomatoes on Toast :-Peel two large
tomatoes a saucepan $\frac{1}{\frac{1}{2} \text { cup milk, a bit of butter, }}$ and simmering add the tomatoes. Beat all with a fork untill quite soft, th3n spread on hot buttered toast, and serve at
once. Tomato Pie :-Peel and slice 1 It . ripe
tomatoes.
Line a ple-dish with good pastry, fll with the sliced tomatoes
sprinkle well with sugar, then little cinnamon and grated with a
Last of all adder and Last of all add 2 teaspoons vinegar and one of lemon essence. Cover with Bavarian Crea fruit juice, juice of half a lemon 1 cul cup sugar. When the sugar is dissolved add 1 tablespoon powdered gelatine dis
solved in $\ddagger$ cup cold water. solved in cup cold water. Let stand 1. $\frac{1}{\text { c. }}$ cups henvy cream whipped stiff.
I.et stiffen in a mould, and serve with T.et stiffen in a

## Women's Institute Papers.

Having an Aim in Life.

$\left\lvert\, \begin{aligned} & \text { distant shores are shipwrecked and lost. } \\ & \text { No man }\end{aligned}\right.$ No man knows his destiny. We pass
our lives in regretting the past, complaining of the present, and indulging false hopes of the future. The great art and philosophy of life is to make the hest of the present,
whether it be good or bad, and to bear and to with resignation and patience, and to enjoy the other with thankful-
ness and moderation ness and moderation. Are we brought
into the world and allowed to occupy a place in it only that we may pursue trifles?-that wa may brutishly gratify our appetites and passions ?- that wo
may leave the world at last without may leave the world at last without
having derived any advantage from be ing in it, or conferring a single benefit upon it ? I have often been impressed
by the deep sivnifice by the deep significance of the phrase
which Dickens has given as one of his Christmas stories, "The
Rattle stite to meaning. Life. It is full of solemn cradle to the grave, are but arom the antagonisms, hunger, fatigue, sickness,
temptation, sin are the strong, remorse, sorrow.-These must wage continunl war. Foes beset
us from without and from with we make life one long, earnest wattle. But
there aro Chere are victories to be won on the
field more glorions the the crimsoned Marathons than those which
habits may Waterloo, rabits may be subdued, fiery passions
brought under the temptations resisted, self den principle,
fully sustnine tully sustained, and Life itself consecrat-
ed to high and holy purpose (iood training and a fair start constiCute a more desirable patrimony than
wealth, and those parents Their children's welfare parents who study
wratification of than the
 those who feel its value and andure duties with
it ans a deeper purpose, and its path be-
commes distinct and easy in The is earnestly and easy in proporthion protly pursued. if ndapted or the the most refined pursued.
of the parts and capacititer
and a saticfur, has a truth, a beauty " satisfaction. a truth, a beauty,

AUGUST 14, 1913
THE FARMER'S ADVOCATE

## You Are Welcome

to make our exhibit your headquarters while at any of the Fairs listed below, also at the smaller Fairs. We wish to meet you personally and show you the STANDARD Cream Separator--the separator that made the new skimming records
in the Government Dairy Schools. Also to show you the

## Renfrew Standard Engine

little enasoline that starts without cranking and runs on so
Renfrew Truck Scale
-the scale that you can wheel about, that mounts its own load and will weigh one pound to 2,000 pounds accurately. DATES OF FAIRS
Toronto, Aug. 23 to Sept. 8. London, Sept. 5 to Sept. 13 Quebec, Aug. 23 to Sept. 2. Renfrew, Sept. 17 to Sept. 19. Sherbrooke,Aug. 31 to Sept. 6. Ottawa, Sept. 5 to Sept. 13. Charlottetown, Sept. 23 to Sept. 26.
If you cannot meet us at the Fairs, send for our catalogue
The Renfrew Machinery Co., Limited Head Office and Works: Renfrew, Ontario
Salee Branches at Sussex, N. B.; Saskatoon, Salk,; Calagry, Ate agencies almost everywhere in canada

Western Canada Offers You 150,000
Free Homesteads
On the lines of the Canadian Morthern Railway



FALL' WHEAT ${ }^{- \text {The results of } 50 \text { years continuous use of }}$ tion at Rothamsted, England shows : Unfertilized, 13.1 bus. average yield per acre; Complete Fertilizer, 37.1 bus. average yield per acre. These exper-


## Stone's Fertilizers

increase the average yield which is only 19 bu. per acre. Made from the best available Nitrogen, Phosphoric Acid and Potash, mechanically mixed, in per-
fect cured condition for drilling. Write for complete cataloge WM. STONE SONS LIMITED, WOODSTOCK, ONTARIO


Riverside
Holsteins
When Writing Wention "The Advocate"


 Do not make too much of childrens
 platin their mistakes gonty.
Wo. Bo pationt.
Weit.
 gull botwoow thi Novider and toar make within
 but out of theen will come experiencoo
and gradually selt-control.
The object of all family government is being governed. They must, therefore be trusted. Keep them busy with pleasant work if possible: a waken in
them curiosity about the : lie around them : a very thittlo instruc tion will make tham turious in regard oo plants, minerals, natural history. literary curiosities, autographe, post
stamp collections, and many things which will inspire pleasure in their rean son rather than in their appetites. We are indebted to our children for the perpetual reminder that wo do not live to
ourselves alone: for their sakes we are admonished to put from us the debasing appetite, the unworthy impulse, and to gather into our lives every noble and
heroic quality, every tender and attractive grace.
Girrs have much influence at home,
where brothers delight in thair sisters, and where pareuts look fondly on them and pray that their example may in-
fuence the boys for good. Girls much in their power with regard to
mose boys. They have it in their power to make them gentle, pheir
truer, to give them himher truer, to give them higher opinions of
women, to soften their manners and ways, to tone down rough places and
shape sharp encular cornerg shape sharp angular corners. All this,
to be done well, must be dong by perceptibly influencing them, and giving
them an example thern an example of the politeness and
tenderness wo wish them to emulate To be successful in life, to rise above the common herd of mankind, a young
man requires certain elements of acter. He must poseses integrity, that he may win public confidence ; intellit gence, that he may command respect: from the flowers of trade collect honey frugality, to preserve his gains ; energy, by which to surmount obstacles ; tact,
to enable him to adapt himsele openings of Providence, and to make
him the man. for the hour of opportunity. These qualifications are, to suc-
cess in life, as forndations a royal palace. Whoever poseesses the cannot io an inforion possesses them man who rotains them, life cannot be a
Self-culture implies suitable efforts to strengthen and expand the intellect, by
reading, by reflecting, and by writing down your thoughts. Reading suitable books stores the mind with facts and principles as a raal mental aliment and
thus quickens the soul into while writing tands. to precision thought and beauty of expression. Every person should, therefore, read
much, reflect more and write much, reflect more, and write as fre
quently and carefilly as they have opIn order that a young woman may be qualified to act wall her part in life, she
should accuire a thorough should acquire a thorough knowliedge she
all domestic and culinary affairs. that even if she should never be re-
quired by circumsinances to go into the kitchen to cook a dinner, she will yet
be able to give directions how to do it and know when it is properly done. It must not be inferreed that we should
shout a woman ap a prisonger in her shut a woman up a prisoner in hher
house and cause her tr devote every
hour of her time to domestic duties.
All we contend All we contend for is that a woman
should govern li.er household as fully as a man governs his farm, store, offliye or
factory, and that. in order to do this,
she she shory, and that. in. order to do this,
she should qualisy herself beforehand
for her particular duties, as he has to qualify himself for his. . But he has to
he forgotten that. the habit of order
beust be formed in early years. When
must . When
lite's most serions duties press upon
the mind and demand the exercise the mind and demand the exercise of all
its energies, there is no time to think


LET A MASSEY-HARRIS ENGINE
PUMP THE WATER, SAW WOOD, RUN THE CHURN SEPARATOR, WASHING MACHINE, FEED CUTTER, GRINDSTONE, ETC. A simple and reliable source of Power; Economical and Effcient. Stationary, Portable or Power.

CLOSED Jacket If PReferired Tho Hopper moy be remod at any ing to Engine to tho Cloed Jactot tyrio. which it sometimen proferrad whe of dant supply of viter ib ivilabie. Whilo to Hopper Jacket is the poppuar type for fare we, we cin apply the other and oue an bo chaysilot the Plato or Hoppen.

Mustrated Circular for the asking.
MASSEY-HARRIS CO., Limited Hed Officen-TORONTO, CAN. Montral, Monctom, Mitit
 $1=3(2))^{- \text {Ag geder }}$
$1=$

## The Premier

 Cream Separatoris the separator you want becaus It skims cleanest, lasts longest, Is the easiest to wash and operate and Will cost less for repairs than 'any


Every machine fully
Guaranteed by The Premier Cream Separator Co. TORONTO, winNipeg, MAN. JOHN, N. B.

## Show That Animal IN CONDITION

The Caldwell Feed Co., Ltd., are again offering Silver Cups at the Guelph Winter Fair for the best conditioned horse, steer sheep and hog, irrespective of conditioner used.
You can take the word of the majority of owners of "blue ribboned" stock that nothing can touch
 *. $\begin{aligned} & \text { nutriment; } 16 \text { per cent. edible moss, great aid } \\ & \text { to digestion. Animals like it from the start }\end{aligned}$ Use it. It is an economy and an excellent investment and you will SEE the value of your stock GOING UP. From your feedman or

## THE CALDWELL FEED CO., Limited DUNDAS <br> ONTARIO

## CALDWELL'S <br> Molasses Meal

For getting animals into the pink of condition in a mighty short space of time. The Reason isn't hard to find: This feed con-
tains 84 per cent. pure cane molasses, all tains 84 per cent. pure cane molasses, all your stock GOING UP.


This is one of four cups donated for the Best Horse,Beef Animal, Dairy Cow and Pen of Bacon Hogs shown at the Guelph Fat Stock Show this year.


## Percheron Stallions and Mares  <br> PURITY FLOUR

 years odd and over. Twenty-tree yearaire areederof Percherons.
See my horses at London Fair
F. J SULLIVAN.
$\qquad$
Cloverdale Large English Berkshire

 or come and inspect.
Hampton,
C. Ont., Durham
about systems or order and little in clination to attempt doing so. Deportment, honesty, caution, and
desire to do right. carried out in ticular, are, to buman character, what truth, reverance, and love are to re-
ligion.
They are the unvaried elements ligion. They are the unvaried elements
cf a good reputation. Such virtues can
never never be reproached, although the
vulgar may scoff at them. There is no greater enemy to nll goodness than illtemper and selfishness. $\begin{aligned} & \text { Idleness is the } \\ & \text { nursery of crime. it is the prolific }\end{aligned}$
it germ of which all rank and poisonous
vices are the fruits. It is the source vices are the fruit.s. It is the source
of temptation. it. is the field where the enemy sows tares while people sleep.
Could we trace the history of a large class of vice, we should find that they Generally originaterd from the want of of
some useful employment, and are some useful employment, and are
brought to supply its place. There is a differance between character
and reputation. Character is what we really are; reputation is what others
suppose we are. A person may have a
cood character may have a qoord reputation and a bed
may haracter. The renson of this is that
chat we form our opinions of people from
what they appear to be, and not from
what thine really are. Some people
are more anxious about the are more anxious about their reputation
than they nre nhout their character.
This is anvie should endeaver to While every person
reputation, he or she should a good
resian reputation, he or she should especially
labor to possess a good character.
Nothing can be sin important to person as the formation and possession
of a good character.
is the "Staff of Life" in hundreds of thousands of Canadian Homes. It makes "More Bread and Better Bread." And Buns, Rolls, Cakes, and Ples made with PURITY FLOUR are certainly a treat. Order a sack of PURITY today. If it does not give you complete satisfaction in every way your money will be returned.

## PURITY FLOUR

"More Bread and Better Bread" and -Better Pastry too

When writling mantion Adroctio

THE USE OF LTfe.
A spark of God, to cherioh or let di. I breast no wave, but drift to sea, Or shape

Or I Forever murmuring, "What must be Or work with every fibre, till I stand Or work with every fibre, till I stand
beacon, shedding light through the
land.

News of the Week.
british and foreign. The Duchess of Connaught suffered a alapse at Cowes in England,

The will of the late Anthony N , Brady, of New York, is said to dispose
of an estate of $100,000,000$ dollare equal to that of the late J. P. Morgan.

The Duke of Connaught, it is stated, whe return to Canada immediately after
the marriage of his son, Prince Arthur of Connaught, October 15 th, next.

Presilident Huarta, of Mexico, defies foreign intervention in Mexican affairs.

Peace was restored in the Balkans August 6th, but. another outbraak may are not satisfied with Roumania's share of the spoils.

Henry Lane Wilson resigned as American Ambassador to Mexico, and ex-Gov-
erncr John Lind. of Minnesota, has been sent to Mexico to minnesota, has been
dent of the Unesent the PresiStates.

Dr. Sun Yat Sen, formerly provisional
President of China, has fled country on a Japaness steamer bound for Formosa. . . . .
occurred August 6th near Shangai, China, many rebels being
killed. canadian.
Geologists from all parts of the world held a great convention in Toronto, and
toured several parts of Ontario.

## Gossip.

 The Men:e District Ayrshire Breeders'Club propose holding a meeting at Wm.
Stewart \& Sons' Stewart \& Sons' Stock $\cdot$ Farm, Menie,
Ont., Wednesday. August 20th. 1913. Ont., Wednesday. August 20th, 1913. A
judging class will be conducted by
Her judging class will be conducted by Prof.
H. Barton, of Macdonald College, and
practical practical subjects of interest to Ayrshire
breeders will breeders will he discussed by G. G. G
Publow, Chief Dairy linstructor $\begin{array}{lll}\text { Fablow, } & \text { Chief Dairy } & \text { Instructor for } \\ \text { Eastern } & \text { Ontario. Prof. } \\ \text { others. }\end{array}$ others. Trains will be met at Hoard's
station.

The Continental Cream Separator, ad vertised elsewhere in this issue, is manu-
factured by the old reliable firm Heinrich Lana Mannheim (Germany) leading German firm, manufactuerers of separators and agricultural implements.
Their separator Their separator is the result of many
years' experience. its special features be ing an absolutely self-balancing bowl, no
springs being use springs being used. It is the final word
in bowl construct. in bowl construction. The whole design
is simplicity itself, and the accessibility of each part is a striking feature the best materials arriking feature. Only
struct in its construction, the gears being made of abso-
lutely non-corrosive metal. It is very
leasily cleoned easily cleaned, and special cleaning tongs
are furnishod with each machine turns easily, a child being able to
operate it without difficulty. It will be
exhibited exhibited for the difirst time in Canada
at the forthcoming C'anadian Nationa Exhibition, Tornnto, and later at the
Western Fair, London, and the Cen Canada Exhibition, Ottawa. The Central
importers of Contineutal Separator Marburg Bros.o engineers and importers
Empire Building, 64 Wellin int West, Toronto. Ont. ${ }^{64}$ Wellington Street
See the ad., and
ook over this separator hefore

## A CONCRETE SILO

## Is One of the Best Investments on a Farm

THERE is no question about the advantage of having a sillo. In the winter and during diry weather in the summer, it assures the dairyman of an increased milk flow from his cows. Silage also makes excellent feed for steers. Every dairyman and stock-raiser who has a silo will tell you that he would not care to do without it.

The sillo here shown is 16 ft . by 35 ft . high. The inside diameter is 15 ft . This will give silage for 182 days for 30 head of cattle. About 20 tons of silage will go in each 5 ft . of vertical height of the silo.
The quantity of cement required to build a silo of this size is approximately 55 barrels. Other material required---about 13 cords of gravel and $11 / 2$ cords of small field stone.

## A Few Advanteges of Concrete Silos:

Being air-tight, there is no waste with a round cement sillo.

A concrete silo prevents all danger of waste from frost.

Concrete silos are permanent. The severe windstorm of several months ago blew over and damaged quite a number of silos, but concrete silos were not damaged in the least.

There are many other advantages, which are given in our 128-page book, '"Portland Cement on the Farm." The regular price of this book is $\$ 1$, but you can obtain the same free in connection with our Special Offer, as follows: Send us $\$ 1$ for the Rogers Book, and we will mail you with the

book an order for $\$ 1$ worth of cement on the nearest Rogers dealer. If there is no Rogers dealer in your vicinity, send us 50 c ., and we will send you the book by return mail. The information contained in it is worth hundreds of dollars to you.

When building concrete silos or making any improvements in concrete, be sure to buy ROGERS' PORTLAND GEMENT. The man who knows cement will tell you that ROGERS' BRANDS are best.

## ALFRED ROGERS, LIMITED

28 King Street W.


## Every Bag a DOLLAR

## Get them all

THE farmer with a big crop of potatoes has a gold mine at his back door.
Every bag is a dollar.
Every bag left in the ground is a dollar lost. Every bagful chopped by the plow is a dollar lost. If it costs $\$ 5.00$ too much an acre to harvest them it is $\$ 5.00$ per acre lost.
To handle the whole crop and handle it cheaply is going to make a big difference in the profits. We can help you there. Our book "Money in Potatoes" has ideas that will help you to mine that crop of potatoes to the last dollar.
Dollars saved in the potato field are as good as extra

## BIGCROP COUPON

The Camadian Potato Machinery Co. Limited, Galt, Ontarie As a Potato Grower I woold like on
Name.
Address-
ddress-
$\square$

## That's better!

It pays, for sure, to keep Cows in a clean Stable. Give them clean stalls and lots of pure air, which they need just as much s pure water and good food, and they will give more milk, more cream, more butter

"Clay" Gates $\mathrm{S}^{\text {TRONGEST }}$ mand bert fatm
 The CaNADIAN Gate co. Ltd. 34 Morrls St., GUBLPH, Ont.

Trade Topic. ADVERTSING MANAG
THE INTERNATIONAL. It has been announcecd by tho manage ment of ot the Interational Harveste
Company of $A$ merice that
 manager. will succeed M. r. D. owings as advertising manager, and that A. tion department, will take the prosition left vacant by Mr. Heiskell's promotion. Both of these promotions are along the
regular civil service regular civil service system of ad.ance
ment laid down by the building up its organization. Mr. Heiskell began his work in the harvesting
machine business,
twenty years machine business, twenty years ago,
while still a high-school boy in Indianapolis, working in the repair room under
James B. Heywood, who was the McCormick destinies in Indianapolis 1895, he was given a permanent position. He worked his way up from the repair department, until, in 1905, he was
sent to Fort Wayne to J. W. Wisehart, who was the Interna following year he was sent to Akron using the Buckeye a Transfer Agency, chased by the International Harvester Company from the Aultman-Miller ComLouis to establish a went transfer East St
tributing tributing house for the southwest terri
tory, for the purpose of relieving congestion at Kansas City. He wa later made assistant general agent at
Indianapolis under Indianapolis under "Jess" Everson,
which position he was holding when he was transferred to the Chicago head-
quarters manager. Mr. Seyfarth has been.identified with the advertising department o
the International since its formation in 1903. Beginning as a catalogue writer,
he has gradually he has gradually gone ahead until the production department. which issue catalogues, folders, calendars, the I H O Almanac and Encyclopedia, and other itterature. He is a University of Michi-
gan man. Both Mr. Heiskell and Mr Seyfarth are well known to the trade not only of the fellow-members of the
Internation International organization, but of the

Questions and Answers.


CANADIAN NATIONAL EXHIBITION

## Toronto

hug. 23rd to Sept. 8th
$\$ 55,000$ in prizes for products the rarm, the Home
and the Garden.
New Live Stock Department and axtension of prizes to give the
small breeder a chance.
all entries close aug. 15

> For prize list and Finformation write
J. o. ORR, Sec'y and Manager City Hall, Toronto

Pump annoyances never worry the armers who are fortunat Imperial Anti - Freezing Pump The "Imperial" is the pump best suited for It has a large chamber, extending to top of stand, containing $1271 / 4 \mathrm{cubic}$ inches. Has 11 -inch plunger-pipe instead
of stuffing-box. The of stuffing-box. The advantage over the
stuffing-box is that it has three plunger-buckets which are selfexpanding, and theretention. Can be used on any sized pipe from $11 / 4$ to 2 inches in dia
meter, tapped for $11 / 4-$, meter, tapped for $13 / 2$,
$11 / 2-$ or 2 -inch pipe.
On tubular wells, the On tubular wells, the
plunger can be withing the pump. Get our .illustrated
catalogue with prices catalogue with Prices
sent pootpild
teresting cald Io you on rocelp of poatararac. semf us your Aylmer Pump \& Scale Coo., Lid.
 Registered Attorney, Dep. E. Temple Building,
Toronto Booklets on request, 20 yrs.' experience.
adgust 14, 1913

Dates of Fall Fairs, 1913. dates of Fall Fairs, issued by the Agri cultural Societies Branch of the Ontario Department of Agriculture, Toronto.Lockie Wilson, Supt.

## Aberfoyle Abingdon

Abingdon ............. .... .............. 10 and. 11

Alexandria ........ ....... Sept. 10 and 11 Alexandria ......... ......... Sept. 10 and 11 Alfred ......... ......... .......... Sept. 16 and 1 Alliston ......... ......... ............ Oct. 2 and Alvinston ......... ....................ct. 2 and 3 Amherstburg ......... ......... Sept. 23 and 2 | Ancaster $. . . . . . . . . . . . . . . . . . . . . . . . . . . ~ S e p t . ~$ |
| :--- |
| Arnprior ..................... Sept. 4 and 24 | Arnprior .............................. Sept. 4 and 5

Arthur..............................t. 8 and 9 Ashworth ......... ............ ............... Sept. 26 Ayton................................................... 23 and 24 Bancroft.................................................... 23 and 24 Barrie ........... ... ...... ...... ...... Sept. 22-24 Beachburg .......................................... Oct. Beamsyille......................................... Oct. 1Beaverton............................. Sept. 29-Oct. Becher .......................................... Sept. 26 Beeton............................................. 6 and Belwood ........................................................ 1 and Berwick
Binbrook
....................................................................... 24 Blackstock............................................... Sept. 25 and. 26
Blenheim ...................... Blyth............................................... 2 and
Bobcaygeon........ Send.
Sett. Bobcaygeon ..................... Sept. 25 and 26
Bolton .................... Sept. 29 and 30 Bonfeld ................................... Sept. 24 Bowmanville ..........................ept. 25 and 16 and 17
Bracebridge Bradford ... Brampton... Brighton ......................................................... Sept. 11 and. 30 and 12 Brockville .. Bruce Mines Brussels. Burk's Fall Burlington
Caledonia.... Campbellford...
Campbellville arp.......... Cayuga. Centreville
Charlton Chatham …................... Sept. 16 Sept. 13 Chatsworth...........................................ept. 23-25 Clarksburg............................ Sept. 16 and 17 Cobden. Cobourg Horse Show ................ Sept. 23 and 24 olborne.................................. Aug. 12-16 Coldwater.............................. Sept. 18 and 19 Comber ..... Cookstown
Cooksville Cooksville
Cornwall Cornwall
Courtland

Deleware | Delawa |
| :--- |
| Delta | Delta

Demore Desboro................................................... 10 and. $22-24$ Dorchester ......................................... 18 and 19 Drayton.............................................. Oct. 1 Dresden................................ Oct. 9 and 10
Drumbo....................... Sept. 23 and 24 Dumbo..... Dundalk.....
Dunnville. Dunnville...
Durham....
Elmira Elmira.......
Emvale.
Embro Embro..................................................................... 1 . ${ }^{2}$ Emsdale........................................................ 23 and 24

Erin ....

Fairground

Fergus.
Feversham.
Fleshertion Florence
a) Moody'sNo. 3 Thresher The F'armers Outilt

D${ }^{\text {ONT }}$ worry about the threshing again this year, be independent, own your outfit, it pays for itself by what you will save. An 8-h. p. engine runs it at full capacity, cleans the grain ready for market. Equipped with Moody Patented Bar Cylinder, assuring
no loose teeth or breakage. Can
be supplied with high grain ele
vator for wagon or grainery. Capacity from 600 to 1,000 bushels per day. Handy and easy to perate. Write for price and further particulars.

We have a complete line of small Threshers. Our Famous Two-Horse Tread Power Threshing Machine is known all over the Dominion.

We also build the America Champion Thresher and a full line of Farm Implements.

## 'The Matthew Moody \& Sons Company <br> Terrebomine, Due.

## AnldealEngine for theFarm

This engine is staunchly built to stand up under rough and ready conditions. Simplicity of construction is really remarkable. The small number of parts makes it an easy engine to understand, and lessens its chances of getting out of order. It has practically all the valuable features of our larger

## Barrie Engines

including their famous economy in operation. Lowest, pos sible consumption of gasoline or kerosene guaranteed Hopper-cooled. Requires small amount of water. Mounted on good, substantial skids, all ready to run. 2, 3, 4 and 5 h.-p. Other styles in stationary, portable and semi-portable from $2 \mathrm{~h} .-\mathrm{p}$. to $400 \mathrm{~h} .-\mathrm{p}$. For gasoline, kerosene, producer
gas and distillate. Write for catalogue and prices. gas and distillate. Write for catalogue and prices

The Canada Producer \& Gas Engine Co., BARRIE, Limited, ONTARIO. Distributors: James Rae, Medi-
cine Hat: cine Hat; Canada Machinery Agency, Montreal; H. Holfendin,
Calgary; J. E. Sheriff, Caledonia,


The roof is the mainstay of the building. Trinidad Lake asphalt is the mainstay of Genasco. fect protection. Write us for the Good Roof Guide Boek gives per





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Poligroo Shetland Poany Stallion sut
 2 Com
Shires and Shorthorns avaw idvertise in the Adroento

THE FARMER'S ADVOCATE

HORSE OWNERS! USE


Veterinary Jrugs Pharmacy


Any kind of VETERINARY If you need a write at once, when we will quate very
low and reasonable low and
prices.
Consultation by
letter letter $\operatorname{FREE}$ R
of Aplomed veterinary charge, with our dipeamed writer and consul him now
NATIONAL STOCK FOOD COMPANY

THICK, SWOLLEN GLANDS Roart have Thick Wind reduced with
ABSORBINE
also any Bunch or SWelling. No blister, no hair gone, and hore kept at woris.er, Con-
centrated-only a few drops sequired at an centrated-only a few drops required
application. $\$ 2$ per bottle delivered. ABSORBINE, Book.,antiseptic liniment for man$\frac{\text { kind, reduces Cysts, Wens, Painful, Knotted }}{\text { Varicone Veins }}$
 horse and cattle insurance Againot Death by Accident or Diseae Speciltien of Stallions. Thforal Mares, Track
 WRITE FOR FREE BOOKLET
 NOTICE TO HORSE IMPORTERS GERALD POWELL
Commission Agent and Interpreter,
Nogent Le Retrou, France, Will meet importers at any port in France or



Notice to Importers
C. CHABOUDEZ \& SON II you want to buy Percheron HRANCE



Messrs. Hickman \& Scruby Erporters of Pedigree live tockk of all deacriptio Iluatrated Catalogues and hiighest refecernctes on

 bheep will surprise you. 5 years, biz boned Clydestestale Stallion



## WINCHESTER

## "Repeater"

SMOKELESS POWDER SHOTGUN SHELLS

When it comes to getting a high grade shell at a reasonable price, the Winchester "Repeater" has the call among sportsmen who have tried all makes. Although moderate-priced, the "Repeater" is loaded with the best quality of powder and shot. The list of loads furnished in this shell cover most shooters' requirements, and all of them give a full measure of shooting satisfaction. Ask for Winchester Factory Loaded "Repeater," and look for the big $W$ on the box. They are

## HIGH QUALITY BUT



## I will again arrive in London during the middle <br> Clydesdale Fillies <br> Stallions

latese will either be sold privately or by auction as arranged and advertised leter. This shipment will rank among the best to Canada this year and has
been picked up throughout Scotland by myself been picked up throughout Scotland by myself, and I have paid great attenand good blood. Anyone wishing any narticular size combined with quality me a favour to drop me a line on the appearance o this ad. and I will attend
to their wants on a small to their wants on a small commission.

## Fem. J-inlaveron

## Scotla d

Throsk, Stirling


3CLL ORMSBY GRANGE STOGE FARM, ORMSTOWN, P. OUE. fersey cattle of the choicest breeding thest of pededian bees always on on hand. Purre-bred


## $\triangle$

 WMARKEI, ONT.Nount Victoria Clydes \& Hackneys onman iman
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3


When Writing Please Nention Advocate


## EFor the cure of Spavin, Ringbone, Curbe


Simcoe ....
Smithvile Smithvilfe..........................ct. 9 and 10
South Moutain............Sept. 11 and 12
South River....................oct. 7 and 8 Spencerville.........................................t. 28 and 24
Spent.
Springield..................ept. 25 and 28
Sprucedale.................Sept. 18 and 19 Spruc
Stella Stila......................................... Sept. 30
Stirling
Straffordville ......................... Send. 26
Stratford........................ 17
Sept. 18 end 19
 St. Mary's.........
Sunderland....... S T
e

T Tiverton .................................... Sept. 1 Tweed...................................ct. 1 and
Under Utterson................................................... Vankleek Hill...................................ept. 17-19
Verner........................... 22 and 28
Wallaceburg...........Sept. 80 and Oct. Wallaceburg..............Sept. 80 and
Wallacetown............ Sept. 25 and 20
Walter's Falls................. Sept. 16 and Waiter's Falls...........................cet. 2 and
Warkworth........................ ${ }^{2}$ and
Waterdown
Warren................................................ Oct. 17 and 18
Waterford.
Watford.....
Wellindport........................................ 7 and
Wellesley
and
Wiarton..............
williamstown..
Winchestor ...............................ept. 28 and 17 and 18
Windham Centre................................. Oct.
Windsor ............................. Sept. $15-1$
Wingham.......................................... Set. 25 and 26
Woodbridge..........................ct. 14 and
Woodstock.
Woodville. $\qquad$
Wyoming
Zenhy
Zurich

## Gossip.

At an auction sale last month o Middleton and Capt. Behrens, two of the best herds in Yorkshire, good priced
were obtained. ally all of the old Bates strains of blood upon which the scotch top had been re use of Illustrious Count, out of the
same cow as Earl Manvers' Royal champion. Duke of Kingston 2nd, by Laven-
der Royal. Lord Middleton's averaged s350. the highest head being $\$ 1,600$ for the red yearling bull, Birdsall Champion. Two others of his bulls brought $\$ 1.800$ and $\$ 1.500$, re male was $\$ 850$ for his red five-year-old Duchess
ren's 35 of Birdsall 11 th.
head averaged $\$ 225$, Beh-
the highrst price for his consignment being $\$ 700$
the yearling heifer, Swinton Secret.
poyal warrant


## Sun-dried Grass Won't Give Good Milk

In early Spring, the milk from your cows may be plenti uu and high in quality. But the summer sun dries all the juicy derive the requisite nourishment from it. The flow of milk fails cows to quality and quantity, your cows lose weight and you lose money. This loss, which amounts to a large sum depending on the grass alone as SINE MEAL"-it will increse actually gain weight-keep them in betterhealth and make yourself much richer The best food known to science to-day for milch cows, cattle, horses or


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Wolves and Buffalo
THREATENED BY TTMBERTHREATENED BY TIMBER-
WOLVES. Investigations carried o try Branch of the Dominion the Fores bave proven conclusively that sument large hords of wild buffalo are still to be found in the hilly country on the north ern boundary of Alberta, in the neighber hood of the Slave River. A party worl ing under the direction of A. J. Bell, the Government agent at Fort Smith made a study of the habits, and obtaine photographs of these buffalo, which are identical in appearance with the former buffalo of the plains, the remnants of which were forced to seek shelter in the imbered fastnesses of the north
These wood-buffalo, when fully grown, are able to defend themselves against heir natural enemies, but in the winter, bore young yearlings have attained hal strength, they frequently fall victims to the timber-wolves. Bands of these wolves hover around the flanks of the buffalo herds as they pass in single file waiting one reeding-ground to another, waiting for the opportunity to cut off a beaten animal and drive it from the it is unable either to escape or to de foud itself.
Partly eaten carcasses were found by
tha investigating dicated that the wolves were the cause.
Thase These great timber-wolves are of large size, and are very numerous in this re-
gion, where they menace the kion, where they menace the existence,
not only of the wood-buffalo, but of
other other game as well. The Dominion Covernment already offers a bounty of
twenty dollars apiece for twonty dollars apiece for their destrucregion, and so clever are the wolves in avoiding traps, that the present bounty
has had little has had little effect in reducing their
numbers. It is possible that the Dominion Governinent will raise the bounty
hare to forty cling the regions of these pests and of preventing the extinction of the last.
wild bison in existence.

Forests Have a Beauty Value.
Cornational Forestry Congress, - Which representatives came from every probially the targest forestry conces var held, met in Paris for the expressed vurpose of studying economic and tech nical forestry problems, and of promoting regislative and administrative reforms in Surests, the prevention of sail erosion and the reforesting of waste lands.
Such subjects as the right of the state expropr:ate misused and denuded forest lands to insure public safety from floods. ware discussed from an International view-point. This state right has long on watertheds can be expropriated unless managed by the owner according to
strict Ge to strict Government regulations and an
adequate forest cover and adequate forest cover maintained.
Federal Government of the United has also recently of the United States this right by the Week's Bill, passed in
1911 for the acquisition A1911 for the acquisition of lands neces-
sary to protect the watersheds
wabibily Wability of navigable watersheds and navi
ing promptness and
By exer minion Government has been able to fore-
stall private occure reas now reserved on the enst the forest at Rorkheds. and on other important
but, should the necessity arise, its legal right to expropriate pri-
vate land for the public beneft Ve borne for the public benefit, seems to A countries. is Forestry Congress at Paris. int ational in representation and interna-
ional in its scome. was that this Con-

AUGUST 14, 1913
THE FARMER'S ADVOCATE

## Trade Topic.

 This year the "Bissell"' Exhibit of DiskHarrows and Steel Land Rollers will be rouped with the John Deere Plow Farm Machinery, at the Toronto Exhibition, Friends of the Bissell Comany will remember the location. This onto Fair by T. E. Bissell without reak, which is a pretty good record t ttendance.

Sheep and Hogs at Brandon.
Eastern exhibitors won many prizes classes for sheep and hoga
There were 240 entries in the, shen lasses, and there were few entriest but exhibit of sheep that will be seen in the West this year, and in but a couple breeds was there a lack of competition Hampshire Downs and ond exhibitor of in Shropshires he took all awards exce afth place in aged rams, which went t John Campbell, of Brandon.
Suffolks, - A wards :
Re Jais, aged-1. J. D. McGregoror ; 2 and
3. Jas. Bowman.
Shearling -1 . 2.

Shearling-1, 2 and 4,
Gregor ; 3, James Bowman.
Gregor ; 3, James Bowman.
Ram lemb-1. 3 and 4.
Gregor ; 2, Jas. Bowman
Champion ram-J. D. McGregor. B. Jas. Bowman and 4. J. D. McGregor Shearling ewe-1. 3 and 4, J. D. MC
Gregor:
 Champion ewe-J. D. McGregor.
Pen. $\quad$ ram, ${ }_{\text {two }}$. Pen. ram, two ewes and two ewe
lambs, 1, J. D. McGregor : 2 , Jws. Bwo man.
Oxfords.-The awards were :
 R. W. Shearling 1 , 1,2 and 3, P. Arkell Ram lamb-1 and 2, P. Arkell ; 3, O Brown : 4, W. J. Mortson.
Champion ram-P. Arkell Ewe, aged-1, 2 and 3, P. Arkell : W. J. Aortson. An . Al
Ewe. shearling-1, 2. 3 and 4. P. $\underset{\text { Ewe }}{\text { kell. }}$ $\qquad$
$\qquad$
Pen, ram, two two Arkell. ambs 1 and 2, P. Arkell.
Leicesters.
 The exhibitors. Rea awards were:

| Ram. |
| :---: |
| Poter |
| Phearling $-1, ~$ |

$\qquad$
$\qquad$
$\qquad$
$\qquad$ End 4. T. A Co



## A Good Silo

 soon pays for itself whether you are keeping cows for dairy purposes or you are a stock raiser.Ihas repeatedly been stated by some of the best posted authorities on farm economics that even if a dairyman or stock raiser had to buy a silo every year he would still be money ahead.
There is absolutely no question about the advantage of erecting a silo. It insures for the dairyman a larger milk flow in the winter or during dry weather and takes the place of grass for steers or sheep during drought.

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you ce well- bred fellows with high official backing, that ID. G. FLATT \& SON, R.R. No. 2, HAMILTON, ONTARIO. 'Phone 2471.

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 ohanna Lad out of Mowa Pauline de Kol (27.18 butter) the dam of one dau colter over


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PINE GROVE YORKSHIRES
 eree, paire not alkin, tot of yor yourg pige of both DUROC JERSEY SWINE


 HE OBEYED ORDERS. was given one of the worst horses. in the troop.
"Remember,", said the sergeant, "no one is allowed to dismount without
orders." Murphy was no sooner in the saddle ver his head. kicked and Murphy went "Murphy," yelled the sergeant, when discovered him lying breathless on the ground, "'you dismounted"
"Did you have orders
From headquarters


Awards mere as tollowa
Rem, aged-1 and 3, R. McEwen
T. A. Cox.

Ram, shearling-1 and 2; T. A. Cox
T. A. Cox. Ramb-1 and 3, R. McEwen ;

Ewe, aged-1 and 3, T. A. Cox ; 2 and
4, R. McEwe
${ }^{\text {Lex. }}$
Ewe lamb-1, 2 and 4, R. McEwen .
T. A. Cox

Pen-1, T. A. Cox ; 2, R. McEwen. Aold, Horns.-J. A. Chapman; Hay Horns. Chapman's exh exhibited Dorset and always a lavorite.
sho showed only in a couple of classes, all championships going to J. A. Chapman Hogs.
exhibiniting well over 800 entries, the hog in this was said by many to be a record Canada, and the quality was certainly high class. A. C. HallYorkshires. Ont., made the awards. major part of the hog show mith close
to 200 entries Maclonald \& Son, Napinki. were A. D,
 light; A. G. Engtish and W.f. Engdon ; G. R. Curtis, Chater: J. A. Mcand
and J. E. Brethour, Burford.
Right at the start the judge sprang a Surprise by placing A. D. McDona!d \& hen had been picked by practically all the hogmen for champion hog and it looked ndeed as though a mistake had been made, as McDonald's hog is a rare good Awards were
Boar, aged-1, J. E. Brethour ; 2, A B. Potter: ${ }^{8}$, 4 W. E. Tees.

Boar, one year-1, W. E. Tees ; 2, W, A. Mortson :

Boar, over six months-1, 2 and 3, w. Boar of calendar year-1, w F Teas 2. J. A. McDonald : 3, A. D. McDonald
Son: Son ; 4, A. B. Potter
Sow, aged-1, J. E. Brethour ; 2, A
B. Potter ; 3, W. E. Tees McDonald \& Son.
Sow, one year-1 and 2, J. E. Bretour : 8, A. D. McDonald \& Son ; 4, Sow over six months-1, W. lish: 2 and B, N. E. Brethour : 4, A. D. McDonald.
Sow of
Sow of calendar year-1 and 3, W. H.
English: 2, J. E. Brethour. English
Tees.
Sow
S. Sow and litter-1, A. B. Potter : 2 S. H. English ; 3, A. D. McDonaild \&o J. E. Brethour English. on aged boar, with w. J. Mortsonship serve, while J. E. Brthour got both Championship and reserve on sows. shires was out with Manitoba breeders putting up a very fine display of hogs. Exhibitors were: McGregor \& Bowman, Weaver, Deloraine ; A. M. Shuttleworth Brandon, and T. A. Cox. Brantlord. Awards were: Aged boar-1 and 3, T. A. Cox:
Megregor \& Bowman. McGregor \& Bowman.
Boar, one year-1 and 3, T. A. Boar, one year
2. R. L. Lang.
Boar. Lover six Boar. over six months-1, A. M. Shut-
tleworth; 2, C. W. Weaver. T. A. Cox. ${ }^{2}$ C. W. Wcaver: 3 and
Boar Boar of calendar year-1, 3 and 4. Breaver; 2 , T. A. Cox.
Weaver: : 3, T. A. Cow and 2 , C. W. Weaver: 3, T. A. Cox: 4, MeGregor \&
Bownan.
Sow.
Sow. Weaver.
Weaver over six months -1 and 3 A. Co Weaver : 2 and 4 , T. T. A. Cox. Cox.
Sow if calentar year-1

## 2. 3 and 4, CIU W. Wear-1, T. A. Cox Sow with litier-1. T.

L. Lang.

Champion boar-1. A. Cox: reserve.
T. A. Cox.
Champin
Champion sow-T. A. Cox : reserv
W. Weaver.

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ing more than its ing more than its rated horse-power, and the most simple engine offered to
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Pleas.
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purchased from you in pleased with the $31 / \mathrm{h}$.-p. Hopper-Cooled engine pur-
it does., It tums ast. Iam surprised with the work which
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