## PUBLISHED EVERY WEEK. \$1.50 PER YEAR. 

Dol. XLVII
LONDON, ONTARIO, MAY 9. 1912.


## Always Ready for Hard Work <br> Long Hours or Lodged Grain Do Not Bother This Binder <br> 朝

 The Frost \& Wood No. 3 Binder was built purposely to stand up an the field may tire you, but the No. 3 is and most trying conditions to be met with in Canada. Long hours in thein-the No. 3 cuts and ties it all into always ready for more work. Lodged Ginder you want to be assured of tight, compact bundles. In buying a bill your crop; that is able to three things-a machine that without crowding on the deck or missing elevate and bind it into sheaves withily handled and light in draft, at the Knotter; and one that is easily handed and these in all
## Frost \& Wood Binders

 The Cutter bar is so arranged that Elevators have ample capacity for the guards get down under the handling the heaviest and Kotters most tangled grain and save it all. crop, and to be equalled for sure and The Reel is easy to operate-back, positive work. Run the Binder as fast forward, up, down-so you and as long as you like-you'll find stantly shift it to suit varying con- andditions. That means clean work. it always ready to tie the next sheaf.

Are Light Draft Machines
Care Bearings that account for this-for inand things Frost \& Wood machines are made to describing the macnie that wrove last and do their work. They won't fall tains much information that will Wood apart and clog as do some others. They interesting to you. A ro sour farm are there to make the Binder draw light, Binder will do the wo don't wait anand they do it. The No. 3 is certainly as you want it abe easy on horses. There are features other day to gearest agent or write us
The Frost \& Wood Co., Limited
Smith's Falls, Montreal and St. John, N. B.
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THE FARMER'S ADVOCATE.

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aclieved a roof to last
"There is No Building Made Right, If the Roof Is Not Perfect.
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you, no building ever made is better than its roof. want to see you build a mood roofts thaimp the walls if you skimp anything. See your roof is right. Your
good roof pives good roor gives three-fold building service
"Why, in 50
years,
alitule thousand-dollar bari $\longrightarrow{ }^{\text {Pr }}$ duct. $\begin{aligned} & \text { protects poor roof can easily rot, and waste }\end{aligned}$ and lose for Aor twant timen its cost- twent waimes
the cost of a Pedlar Oshawa Shingle roof. With most roofs lightning may burw all -with my roof you can
defy lightning to "I Makea Roof that Answers Every Demand You Can Think OOf。"
"My roof has 'give' in it. It can expand in the sun.
out drawing the nails that hold it. It is ice proon out
Frozen snow cannot gouge it open. It is clean. Dir cannot rest on it. Root water gathered from it it
pure. My roof covers its nails. They cannot loosen pure. My roor covers ors too heavy or too light- it is
or rust. or frus.
ventiated. "As a result, wind or storms cannot lift it bodily
like a shingle roof. It is spark proof and fire proot like a shingle roof. It is spark prot and fire eroi
It is lightning proof. It still protects a building ii
 3 way. Every pertection besides the protection my roof on ordizary framing.
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"You can't get a roof deal like mine anywhere else in the worla ernis is because other metal shinglee
haven't my design or metal. Other metal shingles havvi't my design or oneer knowledge to back them.


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separator in the world. separator imo Separators are of the highest quality, wellbuilt, and durable. They are close skimmers, turn easy, We gladly send a machine to you on free trial, FREIGHT PREPAID, and if you are not perfectly satis enables you to prove our statements, and that's what we enables YeST IT AT OUR EXPENSE. We take ALL
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 Their Great SimplicityDE, LAVAL CREAM SEPARATORS EXCEL ALL OTHER separators not only in thoroughness of separation, sanitary
cleanliness, ease of running and durability-but as well in their great simplicity.

operatio IS NOTHING ABOUT THE operation, cleaning, adjustment or repait which requires expert knowledge or

OR ARE THERE ANY PARTS which require frequent adiustment in order to maintain good running or to conform to varying conditions the every-day use of a cream

THERE IS NO NEED TO FIT adjust parts to get them together right. They are so that thy and accurately made that they cannot help go to-
gether right. All bearings and bushings are easy to replace. There are no complithat cated springs, keys, ball bearings or other fittings, that only N FACT, SO SIMPLE IS THE CONSTRUCTION OF A De Laval machine that a person who has never touched a , nachine completely apart within a few minutes and then put be done outside a shop with any HERE IS NOTHING ABOUT THE
THERE IS NOTHING ABOUT THE MACHINE THAT cannot be taken apart, removed or replaced by any one who can use a wrench or screw driver. In fact, the only tool which tor is the combination wrench and ser a De Laval Cream SeparaTHE ONLY WAY TO PROPERLY UNDERSTAND AND appreciate De Laval superiority to other separators, is to look De Laval agent is tunity to see and try a De Laval Separator.

## Stumping Powders <br> used por

Removing Stumps and Boulders Digging Wells and Ditches Planting and Cultivating Orchards Breaking Hard Pan, Shale or Clay Subsoils Etc., etc., etc.
Figure yourself what clearing your farm is costing now, or what you are losing in crops through not clearing. Write
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## LIVINGSTON'S OIL CAKE MEAL

purest Lin eed -by the celebrated Old patent Prccess (Mhich of the it keep three or four years, if necessary)-proved by feeding tests, Even if LIVINGSTON'S OIL CAKEMEAL costs twice as much as the other foods which do not kef $p$ and cannot be ha'f digested. it
would pay every farmer and dairyman to get LIVINGSTON'S OII end quickly increasing and improving the milk and healthily

THE DOMINION LINSEED CO., LIMITED
Baden,
Ontario


EDITORIAL.
LOANDON, ONTARIO, MAY 9, 19.12.
The Control of Soil Moisture.
$\qquad$
In calculating the profit or loss of the season
wherations, do not forget the harvest of improve
ments in the way of stock betterment, increase
alone often constitute a very satisfactory profit.
$\downarrow$ $\qquad$ heavy around the roots to some extent, most of the roller packs the soil around the roots, squeezes down all small stones, and makes the surface
$\qquad$ melting of the snow and frequent heavy rains, the important, yet this is just the season when cultural methods tending to hold this water to tide
the crops over seasons of drouth later on should be practiced to the limit. All of the commoner during the growing season.
$\qquad$ from the standpoint of live stock is the hoed crop. An increased acreage of this crop this season. Nothing is more in the interest of general of corn and roots well manured and well cultivated. It excllent condition for a cereal crop with which (1) seed down $\qquad$
$\qquad$ lakings. but with underdramage there is no such
$\qquad$ (GIN: fields following the heavy rains of spring will $\qquad$

$\qquad$ huild up his stock and homestead, feels discour-
$\qquad$ The truth is that he spends a large amount
$\qquad$
$\qquad$
$\qquad$
$\qquad$
is an argument $\qquad$
prepared by capable experts，are now available and of inestimable value to the progressive grow－
er，particularly the amateur，who will soon find himself in need of reliable advice in the manage－ ment of hotbeds and hothouses，and at nearly every step from the time the seed is committed to the soil till the packages are ready for the consumer．Life is too short and the process too costly to learn it all by experience，but in some way or other everyone who embarks in truck－ farming will find he has an apprenticeship to serve．In a given locality a number of persons usually find themselves engaged in growing simi－ lar crops，and the success and profits of their dicious application of the tion in the purchase of supplies and marketing if not in the performance of field and other work． The demand for such foods was never better than to－day，and the prospects of good prices for the

## Good Roads，－Where？

## In November，last，an association was formed

 in New Westminster，B．C．，known as the Cana－ president，und P．W．Luce as secretary．Presi－ dent Kerr，in a short leaflet，sent out by the secretary，is quoted as saying．＂Good roads are a social and economic necessity，and good roads we will have all over Canada before I am ready to acknowledge that the work of the Canadian Highway Association is finished．＂It is to be hoped that his forecast becomes a reality．What is the aim of this association？We quote from their letterhead：＂Our object is the opening of a transcontinental highway from Hali－ fax，N．S．，to Alberni，B．C．＂The question is the best possible method of highway improvement． What class of people are likely to be most bene－ we quote：＂．The Canadian Highwe same leaflet accomplished fact within the next few years，and broad Dominion there is a road more than 3.000 miles long，over which an automobile can travel from coast to coast in safety and with comfort． splendid roads that Canada will have，the mag－ nificent scenery and exceptional opportunities of investment，will reap a large harvest from its visitors．＂
Does this look as though the road was going to be of grent benefit as a highway for the
people？It is quite evident scheme is highway on which the wealthy a their automobiles，to the exclusion may ride in fic．Such a road would，as suggested，be a traur－ ists＇paradise，but its commercial value as a pub－ lic highway is questioned．Our transcontinental railways seem to be all that is needed for trans－ as firmly as anyone，but these roads good roads at the service of the majority of the people，not the＂favored few．＂What is needed is a system or good public highways leading as feeders to the
railways of our land，and incidentally to the thriving towns and cities in each locality，these roads to be utilized by all．
A transcontinental highway is all right as an advertisement and a means of keeping up fashion－ thing from the viewpoint of the＂Wouggled auto mobilist，＂，but the money necessary to build would go a lone distance toward making many
bad concessions passable for the farmer＇s wacon during seasons of mud and heavy teaming smoother for a pleasure trip behind his not－to－be－
despised driving horse．I．et us have more good

Lime，Manure and Clover

## The Greatest of These．

An experienced fruit－grower，before the last meeting of the Western New York Horticultural strawberry soil was from three to five years before setting the plants．The purpose of this length preparation was to increase the supply of humus in the soil．The three essentials in strawberry development were，he said，available plant foorl． water and humus，but the greatest of these is hurnus．If true of the lowly but luscious straw－ berry，is it not true，also，in relation to other horticultural and farm crops？After years cropping and tillage and tillage and cropping，the very texture and composition of the soil is n as it once was when ages of forest vegetation or grass had left it covered deep with vegetable mat ter，carrying the nitrogen readily made available for plant growth．Then，again，as the speaker observed，the richer in humus，the greater is the moisture－holding capacity and capillarity of the soil．Had not many a reader of The Farmer s Advocate＂tangible proof of this during the la garden land rich in humus through generous plications of stable manure or otherwise，with those lacking in this prime requisite．It like wise improves the texture of the soil，making it more friable and easily worked，more accessible to the air，and raising its temperature．These are conditions that promote growth，and，in deal－ ing with a garden or field crops，like roots and weeds than in a hard，impervious soil，largely rendered so by the disappearance of humus．
Humus，concluded the speaker，is the keystone the arch of factors that supports the economic agriculture of to－day and to－morrow ；and through the coming season，when you look at your grow gg crops，whether with pride or dissatisfction of growth，this one factor－humus．

## Good Roads for Saskatchewan

That the Western Frovince of Saskatchewan it．seems clear from the following money will do the amounts allotted to be expended under the or Highway Commissioners： propriation of $\$ 5,000,000$ was made for highway
improvenents throughout the improvements throughout the Province，and
Commission was arranged to administer this fund Out of this，it is proposed to spend $\$ 1,500$ ， 000 during 1912．In addition to this，about $\$ 400$ ， the Government on on road from current revenue by ernment undertakes the expenditure of this money on two classes of work，as follows：First，on the improvement of main roads leading from the mar ket towns，over which the traffic is so heavy，and considered Provincial，rather that they may be Second，on improvements which are necessary，but which require such a large expenditure that they are beyond the means of local authorities．
Consists principally in filling sloughs，grading up main and putting in culverts and bridges on the have not been able to the present the authorition ling，macadam，or otherwise． of works include bridges，long fills．side－hil grades and works of this nature
It is proposed to continue this work under the
Highway Commission，and，in addition，to under－ take the construction of some high－class work such as gravel or macadam roads in places where
development is such that these better－class roads will he consistent with it．The area of the Prov－
ince is so large，and the settlement is taking Whe is so large，and the settlement is taking Dace so rapidl，that，without doubt，the Com－
mission will have to confine its efforts to the
former clacs of impren Cormer class of improvements to a great extent，
hat will have in mind the prolability of further improving such roads in the near future fure the or－
iect of the highwas improvement policy being to
it is published every Thureday．
 makers，of any publication in Canada．



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THE DATE ON YOUR LABEL shows to what time your ANbocription is paid．
ANOTMMOUS cous communioations will receive no attention．In
her Givene，the＂Full Name and Post－office Address Must 9．WHEN A AEPRLY BY MAIL，IS REQUIRED to Urgen
 11．CIHANGE OF ADDRESS．



 Address－THE FARMER＇S ADVOCATE， the william weld company（Limited），
this，good roads，over which products are to b carried to market，factory or shipping points The extra wear and tear on venicles or horses， ucts by jolting over rough highways may almos terially lessens the value of the adiacent land per Water supply is another essential in growing to perfection these classes of crops．Flowing springs are a unique advantage worth money，but tanks for storage to use in dry times outside or The aspect or＂lay＂of the land is impor tant for drainage and for shelter by wind－break mate where winter rules for four or five months of the year． Another problem，steadily krowing more seri ous in noost parts of Canada，is the necessity of
a sufficient supply of skilled laloor for the work which must be completed at the right time if it is to be done with satisfaction at all．In many necessary．Work and operations should be so planned as to furnish employment for men all the been employed on eight－acre farms，but it al depends upon
Small farms like these to not carry sufficient live stock to produce the stable manures re other fertilizers is not to be owerlooked． knowlente and shill，if crops of superior qualit
$\qquad$
main roads in approved locations and to an ap-
proved standard. This phase of the work will be continued as it is possible for the local municipalities to provide for it. The information regarding methods to the muni ate information regarding methods to the munihigher and more satisfactory standard, both by the distribution of bulletins and by the construction of roads under direct supervision of the overnment the should be done. A constant effort along this line has been made during the last six or seven years, with considerable success. A. J. McPHERSON,

## HORSES.

The stallion which stands for a
general thing, dear at any price.
The time to feed for weight is when the colt s young. Greater gains are always made while the animal is growing.

The model draft horse should show a vigorous, lively, energetic disposition, yet be docile, tract-
able and intelligent. He should be neither slugaively, end intelligent. He should be neither slug-
able and
aish nor irritable, nor excessively nervous.
The drafter is called upon to do most of his work at the walk. It is most important, therefore, that he be able training is when the colt is young.

The cost of raising the right kind of colt, as compared with that required in producing the scrub, is the same, but selling time shows a vast difference in values
good sire and dam.

The foal from unsound sire or dam may be
sound when foaled, but such animals very often inherit a predisposition to the disease or unsound ness with which the parents are affected, and if at ditions or bad treatment, the unsoundness appears Nothing but sound stock can be safely used for breeding purposes

Feet and legs are perhaps the most importan parts of the horse, and at the same time the most
likely to be affected with unsoundness. In selectlikely to be affiected with unsoundness. lose select to the underpinning. Clean, flat, flinty bone with fine, silky feathering, strong, angular hock and strong, straight knees, oblique pasterns, large hoof-heads and larg.

## Feeding Gpain to Hopses.

 If one were to ask what is the favorite grain for horse-feeding, there would be a unanimous"O Oats!" in reply, but, further than that, una Oats in would be a lost feature. Every one would have his way, his time, and his amount to feed, hardly two of which would agree, yet nearly all of which would be a success in the right hands. The two greatest controversies that come up in horse feeding are the amounts to feed, and whether or not oats should be chopped. In the first case
the amount fed will depend entirely upon the Mount of work done, but a safe average would pound horse doing heavy work, and from this feed according to amount of work
responding weight of the horse
Regarding the crushing of oats, this is entirely optional if the horse's teeth are good and he does not " bolt "" his grain. However, for old horses and fast feeders, the oats are better crushed
Many crush all their oats for the purpose of de stroying weed seeds that may be in the oats oats are crushed, they should be milled in smal Guantities that will be eaten within the week. I
chopped oats are left longer ther will become chopped oats are left longer they will become This sear, when there is so much feed wheat in H... Country, many will put this into their ration
> and rightly so. However, wheat is one of the
atronkest grains, and must be fed with cantion

## Hitching Teams Tandem

The frequent reference in your paper to the into a team has often prompted me to make the following inquiry, which I think may be of enough general interest to merit a little of your
space. Out West, where horses did some very long hauling, for a saving in wages, as many as six-
teen or eighteen were sometimes hitched int teen or eighteen were sometimes fitched into one roustabout. Putting them abreast was, of course out of the question, so they were stretched out One span in front of the other. For a team like one behind would usually be four wagons, hitched one behind the other by a "bull" or shor
tongue, the heavier wacons being tongue, the heavier wagons being
nearest the team. The horses pulled nearest the team. The horses pulled on what
called a four-foot stick or a piece of small gas-pipe, and
connected by a piece of chain with a ring in the connected by a piece of chain with a ring in the
middle, into which the draw chain was hooked As many as six horses, and sometimes eigut can be fairly well managed by the "ribbons" "cr "checks "-i. e., a line for each horse, so lons
as the work is on the road but when it comes as the work is on the road; but when it comes
to guiding the long teams, or even the shorter ones, in the fields, a very much simpler methor must be used. This is called the "jerk"" line, and consists of a single line stretching all along


A Typical Clydesdale Mare the bit of the nigh leader. The "off" leader is is then reduced to the simplest I know any hided bames-ring of his mate. The other horses of the ox-team.
re, until well broken, all guided by a line fastened to the stretchers just in front of the
ept when on the road with heavy loads.
it is here that the fancy or scientific work is done, for these long teams are often hauling loads of a ton to every horse, over roads that would make many a venturesome teamster in our Prov Ince shiver to travel wides in a light saddle on his nigh-wheeler, which, with his mate, and the twe "swingers"-the first span ahead, and fastened to the end of the tongue - he has to keep more di rectly in hand horses, for their's is all the extraheavy work on the turns. I have seen the swingers." at the order " gee !" or "haw ! wing, jump the chain and pult the "wheeler" at right-ankies side, when his mate was walking in loose traces. so as to keep the hind wagon out irom a cormer. The wheelers an that either one can help - in-pull of all the other horses.

























## Co-operation in Horse Breeding.

 uto-operation in its truest sense is being worked 'Am a Farmers' Club Horse Association, of aciation, Hastings County, Ontario. This As$\$ 1.200$, ba che by a scheme whereby and every mer became financially responsible or the indebtedness of the Association, thus band ng the members together in a sort of cummunity interest that is solidified by the common responsibility felt and borne by all The second annual neeting of the Association was recently held, and the finances were found to be in a flourishing condition, a dividend of 25 per cent. being paid.Stockholders are, as far as possible, allowed only Stockholders are, as far as possible, allowed only
ne share of $\$ 10$. This makes the interest general.
The County of Hastings is to be congratulated apon the success of this movement, and every farmer in Canada can well afford to, consider the advantages of "working together.
against it, but it can never be more clumsy on the turns, nor awkward to handle, than the beam-
like evener of a four-horse hitch. Neither can the loss of power due to the stretcher be any greater than having one or two horses walking
on the plowed ground. And how simple is the on the plowed ground. And how simple is the
hitch, compared with the multiplication of lines and forks we see in some of the illustrations in "The Farmer's Advocate." One can but conclude that at least some of them are designed by boss. The training is not a difficult task, and any young chap who has the confidence of his horses
and a little patience may be sure of success. The line-leader must be intelligent and cool enough to be able to take an order, without dwelling on the
punishment he deserves if he refuses. He should never, through fear, hesitate to push his mate promptly around. This is sometimes serious at heavy work on dangerous roads. Both leaders
should be willing enough to keep out of their followers' way
In the case of a green team, we used to use "ribbons" on the leaders, or more, if necessary. until all pulled up together when ordered. As " jeon as all are familiar with their places, the concern any but the one leader after the first few manœeuvres. Until he is perfectly easy, someon is not afraid should walk beside him and mpt him in

Ifter seedine is over and the rush of spring's
> cotal ht the risk


Veterinapy Preseriptions for Fapm Use．

## Tincture of

Tincture of opium－$-1 \frac{1}{2}$ fluid oz．
Tincture of belladonna－ 1 ．fluid
．Sweet spirits of nitre－1年年fluid oz．
Mix with a pint of cold water and administer as a drench，or with $\frac{1}{3}$ pint of water and admin The above may be said
or the different dose may be repeated in from two ne three hours and if the second dose fails to give lasting relief， the owner must decide that the case is a serious one and requires professional attention．Even in
serious cases the drench will tend to control pain until professional attention can be obtained．If
more than two doses are riven，it is wise to he opium and increase the quantity of belladonna and nitre，as opium tends to constipate DIURETICS
Diuretics，or medicines that increase the ac－ nay be said to be a standard：The following Nitrate of potassium－3 drams
Powdered resin－-3 drams

Mix and administer in a little cold water as a drench，or roll in tissue paper and administer as a bolus．The popular opinion that sweet spirits of nitre is an active diuretic is a mistake．It has
a slight diuretic action，but its chief actions are stimulant and antispasmodic．Another too com－ mon idea is that horses should be given diuretics once or twice weekly in order to＂keep their
water right．＂Horses should not be given diur－ etics or other drugs unless there be some devia－ tion from health．The periodical administration tion from health．The periodical administration
of diuretics tends to weaken the kidneys from over－stimulation

## plirgatives

lurgatives，cathartics，or medicines that in－ crease the activity of the mucous glands of the
digestive tract，and hence an evacuation of liquid or semi－liquid freces，are many．Some drugs of this class act with reasonable certainty on some classes of animals，but have little action on others．In most cases a mixture of drugs gives better results than one．Aloes is the principal purgative for the horse．The following makes a
reasonably reliable purgative for a horse of ordi－ reasonably reliable purgative for a ho
nary size，say 1,200 to 1,400 pounds

> Barbadoes aloes－
Calomel－2 2 drams
> Ginger－2 drams．

Mix with sufficient treacle，alycerine or water to make plastic，roll in tissue paper and admin－ and give as a drench．with a pint of cold water Epsom Salts is the principal purgative for
ruminants．The following makes a realiable dose lipsom salts－ $1 \frac{1}{2}$ pounds．
Crameora－
drams．
－yrup of buchthorn is said to be the principal purgative for dogs，but where active purgation is
desired，we find that it is not reliable，hence it is
used used only for puppies and delicate，weakly dogs
the dose being from to
sire ounces，according to or a dog of say 20 to 30 pounds：
alap－2 drams．
The above doses are，as stated，for animals ordimary size：the dose for smaller or larger
animals would be according to size．When slight action is reguired，the dose should be about two
thirls of the purgative dosie．This is called a
a
$\qquad$
Febrifuges，or medicines that reduce fever．At inticated in cases where the temperature is high 10．Adram doses three or four times daily．When Compt inflrifuge action is desired，as in cases of

LIVE STOCK

Cross－breeding is always uncertain，and never hould be practiced $\qquad$


Palatability is important as a measure of the actual value of a food．A food which the ani－
mal relishes increases the flow of digestive juices and thus aids digestion． It is generally believed that，by breeding from animals at an early age，maturity can be hast－ ned．Early maturity is desirable to a degree， maturity is produced at the expense of size and constitution，which is a questionable advantage to

The advantages from maintaining a good con－
dition of flesh in pregnant animals include the fol－
lowing ：（1）They have the reserve fund tolore in the system which is drawn upon for the advan－ tage of the young after they are born；（2）the good account in the processes of digesting and they are much less lial
dition of flesh which
production or which is not favorable to high in＂Feeding Farm Animals．＂

Grading is entirely different from cross－breacd ing．Shaw defines a grade as the offispring of a pure－tred and an animal of common or mixed
breeding．Lither one，male or female，may be pure，but，in common practice，the male is usual－ is followed because it is much easier to get pure－bred male than a herd of pure－bred females and there is an improvement in the ofispring，in－
stead of a retrogression，as would be thi case a sire of mixed breeding were used．Ge the case if
the stock should be encouraced on up the stock should be encouraged on every farm
where pure－breds are not kept exclusively．

## Oup Scottish Letter

large ecry walk of ife，only one subject bulks the loss of the mammoth souther were many New York．Doubtless there gers，and the avful tall flashed across the cean will have cast telegraphy shadow over Canadian，as well as British and American homes．Out of the awful darkness of that April night there shines the splendid story of British seamanship，with its grand ideal of vomen and children first，and the infamous tale oi Anerican journalism，with its teeming falsehoods
and
heartless mendacities．Surely
something Should be done by the American people to rid themselves of such a upas tree as the yellow press，
which cherishes no reverence and recrards not sacred sorrows of bereaved friends and kindred The disaster is the most appalling in the history of the British mercantile marine，and surely，in view of it，we will hereafter hear less of the last
word in luxurious shipbuilding and the system of living as though there were and the system of
providence a a pove us nor moral and spiritual des tinies within us． last wrote has，agriculturalls，been most since I pointing．The third week of April，now closing has given us most delightful spring weather， andse the first fortuight in April were，but March If sootlanst，as wintry as could well be imagined． Rain and storm were our appointed portion，and the land was so wet that spring work was greatly
retarded．The fine sunshine of the retarded．The fine sunshine of the past week has，
of course，wrought an immense chance tation has come away with rapidity．In the east． of scotland the rainfall is much less，and there pects generally ars are far advanced．The pros－ the last week in Aproil and the whole of and should us seasonable weather，with alternate sun and
shower，we may look for a fairl．surcocsin ＇ricus fin．＇most every kind of produce are high．

 as dear．and mand＂ork horses have seltiom then左 anve matil its actions are estanlished．ory until
being a kindly，shrewd business man，whose hors
were of the big．weighty type，and he showed a feve at the Glasgow and Aberdeen show It the dispersion sale of Mr．McRobbie＇s stud，
stallions made an average of $£ 1228 \mathrm{~s}$ ．3d． Lord Polwarth，personally one of the most spected noblemen in Scotland，has fallen un evil days，and his whole movable property he been sold by public auction for behoof of his
creditors．His twenty Clydesdales creditors．His twenty Clydesdales，mostly mare
and fillies，made an average of 5715 s ． 10 d which was regarded by everybody as extremel satisfactory．His Booth Shorthorns made miserable trade； 82 of them，of all ages and was slow to a degree．Nobody seems to Tran these great big，coarse animals，with prominen hooks and most unsatisfactory，big，coarse bones．
het ween them and the faciorite sion low and level，there is no sort of altinity．Thy the three－year－old stallion，Knight of the Border （15910），which made 445 gs, to $\mathrm{A} . \mathrm{M}$ ．Rennie 1 oliwarth dispersion，and，had every redeemed the they did，there would have been a substantial composition for creditors．The best part o 1．ord Polwarth＇s stock is yet to be disposed of
This is tie flock of Border－1．eicesters．They ar to be sold in September，and experts affirm that
those at Mertoun．It is quite a possible thing
that these ewes will make record prices，and that these ewes will make record prices，and Cattle sales have recently been numerous．All have far outstripped all other breeds in brice At Belfast， 281 Shorthorns，mostly young bulls Penrith，in Cumberland，the center 13 s ． 6 d ．It which a very high－class type of Shorthorns are At the Dublin Spring Shoverage of e 292 s ． 10 d dark rown named Leix President from Viscount de Vesci＇s herd，made the unprecedented figure，for an Iristi－bred bull，of 400 gs ．There was a very large and good show of Shorthorns at Dublin，
and the supreme trophy went to Matthew Mar shall．Stranraer，for a fine，lengthy level，Mar legged roan named Marlborough，and home－bred． This is an ideal Scots Shorthorn；he is sure to e further heard of．The same owner had the
reserve with his Glassow champion hull of

England has recently had a run of very satis． hactory sales．At the Edgcote Shorthorn Co．＇s last week，when 61 hend neard，a dratt was sold sexes，made an average of $£ 8214 \mathrm{~s}$ ． 2 d ．The Messrs．Wallace \＆Gresson，the proprietors of the Edgcote herd，have been splendid buyers at the scots breeders made this their first sale．They shirnt several of the highest－priced lots．Ayr－ at the Lanark Bull were sold in large numbers head made the splendid average of $\mathcal{L 1 2}$ ， 2 s ． The highest price was $£ 65$ ，as against $£ 60$ last he seascn，but the alteration into March will no Shire horse－breeders are proposing a raid of Canada．They are disappointed with the meagre to convert youres from your side，and would like Their idea is that C＇anadians do not know Shires． them．It is therefore proposed to send out some
carefully－selected Shires to your autumn fairs． and so captivate your hearts．My opinion is i）horsell，reedling for heavy street in Canada un－ wryent．So far as Northwest Canada is con
cerned，there will be little of this horse－breeding ir many a long day．The excessive roughness of 6 he a great hindrance to their popularity with Crater cianse Clydestale breeders have much Percheron．He is in tread the opposition of the farmers who have crossed the line and are settling howerir，the big following and Clydesdale has hoold will wht the right type of Clydesdale


## 




Dlagram of root cellar and wing walls showing studding, etc

Root Cellar under Bapn Approach.
Among the various improvements eflected on " The Farmer's Advocate " farm during the sum mer of 1911 was a cement-walled and cement-
topped root cellar, constructed under the barn approach, the side walls of the root cellar extending out as retaining or wing walls to hold
the clay filling. The interior dimeasions of the root cellar are 15 feet by 25 feet 5 inches; a average height, $7 \frac{1}{2}$ feet; estimated capacity, about
1.700 bushels.
This cement rout collar rablacens an old stone-walled and planked-topped one of about half the capacity, built under the double
driveway leading to a barn with a part-stone and driveway leading to a barn with a part-stone and
part-wooden basement, the lower three feet of the part-wooden basement, the lower three feet of the
wall being stone. It was constructed eighteen or twenty years ago, and two or three sears ago a building was erected overhead to protect the plank from decay. When this ofd covered approach was torn down, it was found that the
joists were all rotten at the lower ends, and one of them broke in two from its own weight when being removed. The barn sill and the lower end of the central door-post were likewise badly de-
ayed, rendering the thole aprowis was cayed, rendering the thole approach wory unsat
and even threatening the stability of the barn
 ion, trenches swere duy two feet deep. foumbtom nehes wide at the hot tom, and thirtern at then
COMETANAL
details covering the construetion of the wall. sus
fice to soy made twelve inches thick, while the back wall, against which the earth filling crowds, was made three feet thick at the bottom, battered on the
cutside face to a thickness of twelve inches the top. In the last course of the side walls a ow of heavy spikes and old iron was set upright, in order to attach the woven-wire
subsequently used to reinforce the top slab
replacing wooden wall with cement.
All the sides of the root cellar were carried up logether; that is, there was no raising of one wall several feet high, and afterwards raising the
wall which stands at right-angles to it, as with vall which stands at right-angles to it, as with to get $u$ thoroughly strong bond at the corners. Therefore, when the sides and back of the rootcellar wall had been raised to the height of the
stone footing of the basement adjoining, construc stone footing of the basement adjoining, construc-
tion was ceased, and demolition recominenced The frame portion of this part of the basement wall consisted of three short posts supporting three bent-posts or door-posts above. The posts
were set on double-plank wall-sills, and supported he square-timber sill alove; the outside was boarded with short pieces of sheathing nailed upright. The joists of the barn tloor rested, of red to as having been badly decayed. It was cided to remove the central short post and shift the other pair east and west, respectively,
little way from the corner of the root cellar. little way from the corner of the root cellar, sf cement wall, as in this case their durability would he reduced. It accordingly became necessary to ack up the joists so as to permit the removal of hese posts. A $2 \times 8$ plank, 28 feet long, was placed under them, jacked up with ordinary jack oot cedar posts, stalding on a plank laid on the cement stable floor (see illustration, published on 685 of "The Farmer's Advocate," April 11th, in at Weldwood ") These posts were purnosely nlaced just three inches away from the stone footng on which the cement wall was to be reared. They thus served later as substitutes for curb
studding. The short posts were now removed. he two outer ones each set a foot to one side The sill was now cut so as to project just one hot berond where these short posts were to come, temporary posts having been placed under the
wall before the sill was sawn. The three door bosts above were now clear of the sill altogether. and ready to he supported by cement built up Under them when the wall should be raised to the required height. The cement wall under the
ioists was now carried up with the other three walls of the root cellar

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        ARCHED DOORWAY
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$\qquad$ orn down for a length of about four feet oppo site the feed passage, leading from the root cel ar to the feed alley of the stable. Here an consisted of two vertical sides, with a separate arch set on top. The inner and outer faces of he arch were thate from 2 pleces of 18 -inch 3 -inch strius pailed -inch strips nailed over these. The vertical
slides of the door-mold were 5 feet 2 inches in height, made of upright inch boards, with two ieces or board betreen as bracers or dividers ment. To bevel corners on the inner (root hour edges of the door, A -strips were tacked along the traight edges of the mold. The concrete around he door was reinforced win an old scythe-bla and a piece of heavy wagon tire, placed about
inches above the top of the arch. To proviतl attachment for the track of a sliding door, morontal scantling 12 feet long was embedded above the reinforcing, its outer edge being flush provide means of nailing on a door-frame, f,n Hocks of $3 \times 4$ scantling, about 10 inches loug were embedided, two on each side of the dour frame, and each one about two inches from the conges of the door. The ends of these piecos, of wall. Tow secure against these blocks pulling out ambertand heen driven in them before they were (IT) foll sumt such spilies ohHER ATTACHMGNTS
La, wach wine wall, a tie-ring, attached to a 6
Winh shank hent down at the end. was imbeddell acmitline were bedded crosswise in each




Studding, with braces, for erecting cement wall of barn approach.

COST OF BARN APPRUAC'H INT ROOT (EFI. a couple of toblocmoonfule of waw alcake ate a Cement, 38 barrels, at $\$ 1.65 \ldots \ldots . . \$ 62.70$ Grave, 26
Stone

32c. ... ....................................
Old pipes for railing
Rings embedded
Tile, fifty 3 -inch
einforcing for wing walls (old
wire), say 300
Total material for cement work.. \$107
Materials for doors, windows,
arge barn doors, with small one
cut out of one large door 400
sq. ft. $1 \times 5 \mathrm{~V}$ matching ......... $\$ 12.00$
6 pcs., $1 \times 8 \mathrm{cc} 12 \mathrm{ft}$., dressed all round $\$ 1.6$
4 pcs., $1 \times 6 \times 16 \mathrm{ft}$.
2.10

4 pcs., $1 \times 6 \times 16$ ft.,
50 ft. netal track for barn doors
$\frac{1}{2}$ pound leather
3.00
.35

Hinges for small door
Material for root cellar door $4 \times 7$
ft.-lumber, 45 ft.
.60
.20

Track and rollers
Nails
Total cost of doors and windows Total cost
Wsitimated
mated value of mater
from former approach
Net cost for material in making change.
Actual cash outlay for material ( $\$ 2.00$ worth old rods used Labor
Building cement work, $331 \frac{1}{2}$ hrs.... $\$ 82.65$
Carcenter's time
Carpenter's time, 81 hours 17.82
cavating, filling, etc, men's
time, 114 hours
Gxcavating, filling, etc., horses

Hauling 38 barrels cement ……… $\quad$| 7.55 |
| :--- |
| 3.52 |

Hauling 26 loads gravel $\quad 30.68$
Total labor $\qquad$
mplete
allow
old meterial

## THE DAIRY

Raising Skim-milk Calves.
Raising calves on skim milk, so that they may some day equal their whole-milk-fed sisters, ieve. Taken on the whole, my experience that calves fed properly on skim milk are in t ed on whole milk. We have fed calves on cki milk for the best part of four months, and har fed them on new milk for the same period, after - nel of the year it would be hard to distinguish between them, for flthough the new-milk calf made the greater gains al first, he did not do so
well as the skim-milk Many feeders advise cooking u porridge for calves after they are weaned, to be mixed with the skim milk, and take the place of the butterin the spring or early winter with healthy, vigorous stock, fed carefully with a porridge made mixed with the proper amount of milk. The grain we began using at lirst was used throughspite of all in others, our calves would be infinion in the end by was not convenient to make pmert ond and we were tired of making i and our luck turned, as far as went. I fed the first calf for
whole milk, then I gradually subst milk, a little at a time, till he was
tkimmed milk, fresh from the separator
handful of shorts. Rnd still later a handful of oat
chop. By the time he was getting no new milk he was getting all of this grain ration, juast thrown raw into the milk. I also provided plenty of nice clean hay, which he soon learned t
eat up greedily. At the end of four months was actually neariy as big as some of the previous year's stock. The other calves, as they came were treated in like manner, and did quite as
well. Since that I have fed no more cooked food well. Since that I have fed no more cooked food
and have had the healthiest, thriftiest lot o calves you could wish to see. I find that calve fed on whole milk produce the most flesh and have the sleekest appearance while they are being fed
nothing else, but once the whole-milk ration is nothing else, but once the whole-milk ration is
discontinued, no amount of grain feed will put them in the condition at the end of the year that calves accustomed to it and skim milk from the first would show.
I am in favor of taking the calf away from its
mother as soon as practicable after birth as it can more readily be taught to drink from the pail than if it had an opportunity to feed from the udder. It also does away with considerable
fretting and worry attendant on calves being weaned. A great many dairymen contend though, that it is beat many dairymen contend, the calf a better start, if it gets its first drink
straight from its mother straight from its mother. In any event, the calf should always get the irst milk, as it has the ef-
fect of clearing out the intestinal tract. I sometimes have trouble getting calves to drink from the pail, but this can be easily overcome by simply starving them for twenty-four hours. Very
often the cause for unthrifty, badly-shaped calves is too much feed. For the first three calves weeks, five pounds of milk in the morning, five in he evening, and one at noon, is quite sufficient nilk a day is a good feed for a Ten pounds oi should never be fed all it will drink, for a calf it unlike some animals that will stop when they have enough. It will drink pretty nearly all you give it-at least, until its holding capacity gave
out. The changing from whole milk nust be brought about very gradually, and only half a pint of skim milk be used at first to rethe amount of skim milk whole milk. Increase bout the same amount, till in wo day by II skimmed milk will be the ration, the grain atways being gradually introduced, as well. We ermin before being turned out to are free from also that plenty of pure fresh water and shade are available, for they will not thrive if subjected to neighbors has had extral summer. One of oull them extra feed after the grass has bepun feeding up. To provide for this, he cultivates about half an acre of good land as near the barn as plants have got a good start, the When the turned in for a short time each evening, berin
ning with a ten minutes' feed for the frst ning with a ten minutes' feed for the first
nights, until they have become accustomed after which half an hour was the usual time

## GARDEN 部 ORCHARD

## Topical Fruit Notes

the 1910 annual report of the Fruit Brancy ains some interesting figures with reformen com fruit plantings in the Niagara district. Theme made by the lepartment durvey of the distruct 1909 and and should be valuable at least to show the dis There are seven townships taken account of , mult Grimsby, Clinton, I outh, Grantham, and Natheol and the parts of these townships below of the escarpment, comprise what is or morth known as the Niagara Fruit District. Sime this
survey was made, six by the practical engulfment of been rewnem the Eity of Hamiton, broad avenucs up throurth then leadime to their subdividion into cit olums, pears, easily leads in plat second to Niagara in peaches than double any other towns! ries and apples ; it
those whe will appear the same, perhaps.
\& 13. ano have travelled the route of the H. (i) which, for stone Road from Barton to Winous, part of the township planted. These figures may also thus sparsely controversy that periodically crops uphly settle a relative volume of fruit shipped from the the with St. Catharines as a center and the fict the district running from Vineland to Stom Creek, with Grimsby as the center. The adyey lage appears to be in favor of the west end, but promably Robt. Thompson will get at these stawhat they set out to explain is on them; for, For instance, there are said to be 55992 elear. trees in Saltfleet, with an acreage of 281.36 , and Crimsby only 15,819 trees, with the comparathis means an averape of 199 In the former case roughly, an average planting distance of 15 , or, and in the latter instance an average of 74.6 rees per acre, with an average planting distance ably, if dwarf trees were explained, very probfleet and standards in Grimsby; and, further Salt the trees in the latter case were old-established and probably in many orchards every alternate

The idea seems prevalent in this district, and
he opinion is often expressed, that a co-operati stock company paying dividends on as a joint vested, with the proviso, however, that the in Many de taken out by the growers interested by the growth of the cosiness is more or less hur most with this advice. I wonder why? were it not be just as well if the association turned in the non-profit basis, and dividends re selling and operating at cost, fruit obtained by ber would be benefited proportionately to mem stock in his irult, and not to the amount of his that trouble follow. It is a well-known fac dividends on stock in a co-operative to regulate for the money as a loan. Accordine toly pay Restern Frait -grower, the Grand Junction (Col. Fruit-growers Association, which is one of the siderathe trouble just along this line. Many still members have given up fruit-growing, but still retain their stock, and naturally desire a big hisidend, and those who hold a big interest are
hso naturally in the same ship. Smaller stockholders and growers who are actually supplying as low wish the rate of interest to be kept down Monde, which is likely to remain, so tong as two lealurs or investors and growers, remain in the chation, in its cearly years made peace with the vear. Two such incongruous elements cannot andvantage of the co-oper
hur inst or dormant spraying with lime-sul Praving, under and we are not delighte!, for conditions, is not a bad
much easier than many There was considerable diff (6) the Lut. Our formula for home-boiled best lime
$\qquad$
$\qquad$ The athat boiling of the abo gallons of water cold water and added the method gave our boiling going perfectly satisfac any way on plenty warm troy the washers so hot with this formula con to 1,070 in the 30, or slightly aboving). How often we still hav racking, oiling, pays well as: (2) to clean out the dirst east wing ; (3) th irst east wind as pos
other points, but for patience when anything patience when anything

for cheaper foodstuffis for the people are not a greater than it has been in the history of ou country:
Oxford Co., Ont

Labor and The Angel. Because I have heard much about the article
in which I told how Mr. Clement showed me that
a man can do farm work like an artist, I am a man can do farm work like an artist, I am
venturing to return to the subject. One of our Canadian poets has dealt with the same theme in poem, "Labor and the Angel," Duncan Campbell Scott pictures even the most sordid labor as ac-
companied and watched over by a spirit of divinity and hope. 1 t is too long to quote as a
whole, but a few extracts will give a taste of its quality

Down in the sodden field, A blind man is gathering,
Guided and led by a girl ; Her gold haid by a girl ;
Her varments with fut he wind,
Leap like a flag in the sun
And whenever he stoops, she stoops
And they heap the dark-colored beets
In the barrow, row upon ro
When it is full to the brim
He wheels it patiently, slow
Something oppressive and grim
Clothing his figure, but she
Beautifully light at his sid
Beautifully light at his side,
Touches his arm with her hand
Ready to help or to guide :
Power and comfort at need
In the flex of her figure lurk
In the flex of her figure lurk,
The fire at the heart of the deed,
The angel that watches o'er work
This is her visible form,
Heartening the labor she loves,
Keeping the breath of it warm,
Warm as a nestling of doves.
Humble or high or sublime
Her's no reward of degrees,
Ditching as precious as rhym
Ditching as precious as rhym
If only the spirit be true.
And Oh! in the cages and dens,
Where men never laugh but they bone
Think you she leaves them alone?
She, the twin sister of Love!
There, where the pressure is worst
Of this hell-palace built to the skies
Upon hearts too crushed down to hur
There, she is wiser than wise,
Giving no vista sublime
Of towers in the murnurous air,
With gardens of pleasaunce and pride
Lulling the fleetness of time,
With doves alight by the side
Of a fountain that veils and drips
She offers no tantalus-cup
To the shrunken, the desperate lips
But she calms them with lethe and 10
And deadens the throb and the pain
And evens the heart-beat wild,
Whispering arain and arain
Work on, work on, work on
With her tremulous, dew-cool lips,
At the whorl of the tortured ear.
Till the cr. is the presage of hoppe.
The trample of succor is near."
There must be labor always, but ."The tramber of succor is near." It will not he true alway
that one man doms the lator, while another take
the profit. the profit. I ahor will mot always be hrutalizing.
A better day is dawnine. and it will need its poets. A better day is dawnine, and it will need its poets
and artists, as well as its ditchers. And even the

It is whan we try to detince art in connection
with farm work that we set into troulle.
seems even more unnecessars that "science," and
more mirth-provaking. Jull sut I hnow from
more mirth-provanes I have received that hate are plenty of farmers who have a the
though they are not savil
others who are real
get a good working definit get a good working definith
could all agree. it would t...
matter in an intelligent
like when finished, and strains every nerve 1rake the result in keeping with his idea. The
artist sees things whole. He doesn't simply blunder ahead and make the best of things. He knows what he is going to do, and does possible. Whether he is going to paint a picture,
chisel a statue, or raise a field of corn, he know, chisel a statue, or raise a field of corn, he knows
from the beginning what the result should be like, and gets his joy from making it as close t his ideal as possible. And he is none the les
an artist if he makes the highest possible profit an artist if he makes the highest possinte prot
from his work. But if he does his work as a artist, no cash profit will equal his joy in ove coming difficulties and achieving what he had i
mind when beginning his work. And always, mind when beginning his work. And always,
he works sincerely, he will find that, like the master artist, " He builded better than he knew.

The terrible disaster to the Titanic has called forth many dirges from our poets, and has caused the re-publication of many sea poems. Strangely enough, none of our editors seem to realize tha
some of the finest sea poems in the language have been written by a Canadian, Bliss Carman. None of his pieces have been quoted, and yet the Ti
tanic could not have a better epitaph than this:

## And strange unearthly crea <br> Where far below the gulfs

- 

ad what could better express the peril those who go down to sea in ships than the
" Oh, the shambling sea is a sexton old.
And well his work is done.
Hith an equal grave for lord and knave
He buries them every one.
"Then hoy and rip, with a rolling hip,
He makes for the nearest shore;
And God, who sent him a thousand ships,
And God, who sent him a thousand ships,
Will send him a thousand more ;
But some he'll save for a bleaching grave
And shoulder them in to shore-
Shoulder them in, shoulder them
Shoulder them in, shoulder them in
Oh, the ships of Greece and the ships of Tyre Went out, and where were they the port they made, they are delayed
followed the ships of England far
As the ships of long ago
And the ships of France, they led him a dance
Oh, a loafing idle lubber to him
Is the sexton of the town;
For sure and swift, with a guiding liit,
For sure and swift, with a guiding 1
He shovels the dead men down
But though he delves so fierce and grim
His honest graves are wide,
well thev know who sleep belo
well they know who sleep below
The dredge of the deepest tide.
on, crooked is he, but strong enough
To handle the tallest mast;
rom the royal barque, to the slaver dar
Then hoy and rip, with a rolling hip.
Ind God, who sent him a thousand ships
"But send him a thousand more;
thoulder them in, shoulder them in.

Sheep and Swine also Bapred.
 rector-General, informs us that the Thited States clates from Great Britain. Irelande entering the cutinnts, on steamships carry fur horses from

Grain in Fapmers' Hands the ana from live stock.
The reports of correspondents show that on of a yield of $215,851,300$ bushels of wheat harcent., were merchantable, and that, at the end March, $58,129,000$ bushels, or 27 per cent. the whole were yet in farmers' hands. The quantity held by farmers in the Maritime Provinces on Harch 31st was 329,000 bushels; in Quebec, 50,000 bushels ; in Ontario, 3,874,000 bushels. in Manitoba, Saskatchewan and Alberta, 53,528,000 bushels, and in British Columbia, 48,000 bushels. At the same date last year the quan tity in hand in all Canada was $33,042,000$ bushels, or 22 per cent., of the total crop of 149,989 , 600 bushels, of which $141,006,000$ bushel
Oats, which last year gave a yield of $348,18 \%$ 600 bushels, was merchantable to the extent $310,074,000$ bushels, or 89 per cent., and the quantity in hand at the end of March was 153 ,-
846,000 bushels, or 44.18 per cent. In the Mari ime Provinces there was $4,007,000$ bushels ; in Quebec, 12,780,000 bushels; in Ontario, $24,870,000$ bushels; in Mani oba, Saskatchewan and Alberta, $11,735,000$
bushels ; and in British Columbia, 454,000 bus els. In the preceding year, the quantity in hand out of a total harvest of $323,449,000$ bushels was $127,587,000$ bushels, or 39.44 per cent., and there
was a total of $301,773,000$ bushels, or 93.29 per The barle $\begin{gathered}\text { andable quality }\end{gathered}$
and of barley yield 1911 was $40,641,000$ bushels end of March quantity there was in hand, at the cent. The merchantable yield was 36.583 per cent. The merchantable yield was $36,683,000$
bushels, or 90.26 per cent. The barley crop of 1910 was $45,147,000$ bushels, and the quantity on hand at the end of March last year was 13,135,000 bushels, or 29 per cent. The merchantable 91.93 per cent. Ontario's crop last year was $13,760,000$ bushels, and that of the three Northwest Provinces, $24,043,000$ bushels.
84 The merchantable yield of corn last year was per cent.; of potatoes. 89 per of buckwheat, 84 and other roots, 85 per cent.; and of hay and clover, 88 per cent., as compared with last year's percentages of corn 84 , buckwheat 87 , potatoe clover 88. The quantities on hand at the end of March were, in bushels: Corn, $3,659,000$, com pared with $4,734,000$ in 1911 ; buckwheat, 1 ,
728,000 , against $1,750,000$, 000 against 23,564,000; and turnips and other roots, $14,055,000$, against $16,159,000$. Of hay March, last, 3,134,000 tons, compared wit 5 March, last, $3,134,000$ tons, compared with 5
287,000 tons on hand at the end of March. 1911 The condition of live stock at the end o March, expressed in the percentage of a standard representing a healthy and thrifty state, and de-
noted by 100 , was, for horses 96 , milch cows noted by 100 , was, for horses 96 , milch cows
92.58 , other cattle 91.53 , sheep 93.40 , and swine 94. Only in Prince Edward Island, for cattle in Nova Scotia for milch cows, in Ontario for catce, and in British Columbia for cattle othe than milch cows and for sheep, do the figures rep-
resenting condition fall below a percentage of 90 A. BLUE,
Chief Officer

Dr. L. H. Bailey, of the New York College d
Agriculture, says the reneran

## A Warning

minion Entomologist, states that very large num bers of eggs of tent caterpillars, which have bee ing the past winter are now hatching, and th young caterpilars will soon make their conspicu ous webs on branches and twigs of the trees. During the spring and early summer of 1910
these caterpillars were extremely abundant in Eastern Canada, and were responsible for widespread and serious defoliation of fruit and shade crees. uns and destructive during the present more These caterpillars are very easily controlled in or chards, ornamental grounds, along roadsides, and on shade trees of town and city, if the webs in
which the caterpillars shelter at certain periods complished by either burning the wehs by mean of a torch, or by cutting off and destroying the small branch bearing the web or nest. The best time for destroying the webs is during the early day the caterpillars are generally out of the webs feeding. If these webs are not removed while the caterpillars are small, many trees will, of course, be entirely defoliated, and, in consequence,
seriously injured. When the caterpillars are seen to have spread over the trees, they may be killed ${ }_{0}^{\mathrm{by}}$ ure (using one pound of Paris green, one pound f unslaked lime, and 160 gallons of water), or arsenate or
water.
Orchardists and all citizens interested in the protection of our fruit and shade trees, should destroy as many of
the month of May.

South Ontario Notes.
$\qquad$ Spring has again arrived, but unfavorable
weather conditions have so delayed the drying of
he soil that little work was done on the land before May 1st. Wheat has come through in fine ondition, and, owing to satisfactory returns last new seeds which managed to survive the summer's drouth are looking well. From the demand for seed, we anticipate a large sowing to barley. Will
we have $\$ 1.00$ barley next fall? Clover-seed prices have taken a slight dropat least locally-probably due to the fact that last year's crop was not nearly all threshed until this spring, on account of the quantity of snow making it impracticable for the traction engines
to move from farm to farm. Feed is unusually scarce, and the stock is
coming out in rather poor condition, but healthy. Feeders of beef have not realized as much as they to see a very large margin of profit. Cattle were bought here all the way from $4 \frac{1}{2}$ c. to 5 c . and sold at from 6 c . to 7 c . for good stuff; the 7-cent cattle had to be good. But then, we find
a large pile of manure or a nice-sized field ala large pile of manure or a nice-sized field al-
ready spread, and this is not to be despised, parricularly the latter. We are looking for a shortage of feeders next fall, and, with the increased population, we are unable to see
cheaper living for our urban friends. Potatoes have been exceedingly scarce, but
where tood crops were harvested as high as $\$ 100$ dore good crops were harvested as
to $\$ 150$ per acre was realized, in some cases (in
northern township. Uxbridge) on land worth our northern township, Uxbridge) on land worth
less than $\$ 50$ per acre. Talk of the West no
more the bugs took as toll more than their share, an
the result was no potatoes. The scarcity of farm laborers is being keenly available men, and they pay larger wages than the farmer can afford. The Government Immigration Offices were not much help, as they were
away behind in filling applications. hrough the district quite close to each other (i)...the Filectric, along the Kingston Road Wuching the toruns and villages: and the Cana
dran Pacific, which has actually commenced work 4.. certainly have no chance to complain at lack Trailway facilities.
Ile are anticipating a change in the mail
ontes. thus giving more people the chance to antes, thus giving more people the chance to
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ter we heard the expresspon, "Was your silage
frozen ", and the answer was always the same,
except in a few cases where the silo wice couthe the barn, when the answer was "No." We heard one man state he intended to use building paper which would be fed during the coldest part of part . He thinks he can then keep the frozen to a certain extent. It may be worth a trial, The spring freshet was the largest ever
seen by the writer, yet no severe damage was done. was The scarcity of teachers is seriously felt. The
trustees find they must pay higher and higher trustees find they must pay higher and higher
salaries, and a male teacher is almost a novelty. Ontario Co., Ont.

Egg-laying Contest in B. C.
The International Egg-laying Contest, being carried on under the joint auspices of the British
Columbia Poultry Association, Vancouver Board. and the Provincial Government, completed six months of its course on April 20th last. In Class No. 1, including Mediterranean breeds, one pen of White Leghorns produced 404 eggs, another
367 eggs, and a third 326 . The first eight pens are White Leghorns, with a Buff Leghorn pen in ninth place, followed by five more pens of White, and then a pen of Brown Leghorns. In Class No, Orpingtons leads, with 350 eggs; Rhode Island Reds are second, with 320 eggs; White Wyandottes third, with 317 eggs, and Rhode Island Reds in fourth place, white wandottes fich, siver-laced Wyandottes sixth, and Barred Rocks seventh. In
all, there are 39 pens. of six pullets each, competing. The average price received for the eggs
was 33 cents per dozen. It is interesting to note was the fowls in Class No. 1 consume more green ood than those in the heavy class.


Hoist for Raising Gravel

Canadian National Hopse Show and Military Events
Favored with ideal weather, and in the pres, ence of upwards of three thousand of Toronto tional Horse Show, with military events, was of ficially opened by His Honor Lieutenant-Governor Gibson, in the Armories, Toronto, on Tuesday evening, April 30th, who, in a few well-chosen re marks, congratulated the show, which, from modest beginning eighteen years ago, had developed into an institution whose reputation was not confined to this side of the line, nor to this
side of the Atlantic.
Greater effort, and care appeared to have been exercised this year than usual
in the decorations, which presented a truly magnificent picture, backed up as they were by the orilliant costumes that filled the ity-ord is the society event if the vear in Toronto, and that Toronto society he large and representative crowds that attended cers session from the first premier honors of highfumpinv. It is a great show, and well worthy of the four massine walls of the Armories, with the performencos of the equine aristocrats the saddle, is one of ex-
contested, and kept th
The entries for the breeding classes were more numerous than usual, that for Thoroughbred stallass being particularly noteworthy for the highToronto show-ring has a quartettom, indeed, in old English breed, of so choice a type and qualpatteen seen together. Hafling, the entry of ied aft Bros., of East Toronto, who has carhack his colors lowered by the beautiful entry of James Bovaird, of Brampton, in the bay six-yearBros Selwick, Nasbaden, from the stables of Thayer place, but he cortainly did the color credit, and place; but he certainly did the color credit, and
in less illustrious company is quite fit for much higher honors.
In the class for Standard-bred stallions, only two came out at the bugle's call, an balt. Mograzia, the invincible, was agai mate, Euxg.

Considerably more interest was manifested in the class for Hackney stallions on the line. Five of the world's greatest breed of equine reistocrats
lined up for comparison, where, after being put through their paces, midst the thunderous, applause through their paces, midst the various admirers, the leader was found in the many-times champion, Derwent Performer owned by G. H. Pickering, of Brampton. He is a horse of superb type, intensely classy in his styic class entry of Miss Wilks, of Galt, in the Toronto champion of past days, Crayke Mikado, whose hy the judges over the brilliant quality and sensational all-round action of the Ottawa champion Terrington Semaphore, from the Bedford Par tables of Graham \& Renfrew. It was a little difficult from the outside to understand the placings in the class for Hackney
mares. any age, shown on the line. The sensational entry of the
tion.
Hon. Reith, of Howmanville, looked like a sure winner but she was not in
favor with the
 judges. The entry high-class one, t
awards going Lochryan gring t Lochryan Pre. B.
owned by E.
Clancy, of Guelph; Clancy, of Guelph Lounsborough
Madge, owned by Crow \& Murray, of
Toronto ; and HolyToronto ; and Holy-
port Polacco, owned port Polacco, owned
by Dr. McPherson, by Dr. McPherson,
of Toronto, in the order named. Stallions in harness, although open
to any breed calto any breed cal-
culated to improve the type of heavyharness horses, were
represented reppresented by
Hackneys only. TerHackneys only. Ter-
rington Semaphore
and Terrington Narand Terrington Narhibited by Graham \& Renfrew, of Bedord Park, and Brookfield Laddie, exhibited by A. Yeager, of Simco
Clydeste in hase were splendidly represented by entries from the stables of the Dominion Transport Co. and John Larmon, Toronto. The Dominion Transport co. won all the awards in Larmon getting third on team.
heavy harness horses
The entries in the several classes for horses in arness, both in double and single events, showed a fasses for the several years past. Whether this is in any measure due to the invasion of the automobile on the sacred prec the owners of high-class harness horses were tardy in making entries, does not on the surface appear to be easily explained. Our own opinion is that the auto is gradually re placing fancy harness horses. Although, in the majority of events, the quality of the entries was never higher. A Yeager, of Simcoe, came out to win, and win he did; his entry was particularly strong, and he
won considerably the largest number of awards of any one exhibitor, including the single and double championships, the King Edward challenge cup, four-in-hand, and hest collection of three harness
horses. Next in order of winnings was T. A.

THE FARMER'S ADVOCATE

C'row, of Crow \& Murray, Toronto, whose splendid pletely drowned the band's effiorts of helping the
entry, well appointed and well handled, carried them to the front a number of times, to the evi- 8,000 people
dent sanal Anthem dent satisfaction of a large number of the on merit, were : Hon. Robt. Beith, Bowmanville Montreal ; Beck, London Miss M. E. Thpt. W. T. Rornhill, Toronto ; Mr
M. E. B. Exid, Jarvis ; W. I) Beardmore Toronto J. A. Kelly, Listowel; and R. B. Clancy, Guelph T. Beith, first; A. Yeager. second; and Crow \& Murray, Liird.
The majority oi the classes for Roadsters
Trotters and facers brought out a much large entry than did the heavier classes, demonstrating that the horseless carriages will never make any
serious inroads in their ranks. Without doubt. the most useful and intelligent of any of the light breeds, thes are quite able to hold their own so long as there is any need for horses. The seen at the leading shows in this standar the unusual enthusiasm manifested by the almost entire audience as they dashed around the tan bark ring, was as a voice from the multitude en-
dorsing the Stanuard-bred breed of horses. The principal winners were Pairs-W. J. Crossen, of Cobourg, and (Crow \& Murrey; singles-Crow \& Murray, Miss Wilks, W
J. Crossen; T. Bartrem, Toronto: J. Kelly J. Crossen; T. Bartrem, Toronto ; J. A. Kelly, istowel; T. Bowes, Toronto, and M. A. Darroch.
Toronto, winning in the order named. UNDER THE SADDLE.
The unprecedented entry in all the saddle and jumping events, and the intense interest manithe closing, must surely contain a lesson, and if it means anything, it must mean that the healthy vigorous exercise of a dash around the country on ing more and more popular, and that the horsebreeders of this country would do well to take
notice of the "hand-writing-on-the-wall." and pay notice of the " hand-writing-on-the-wall," and pay
more attent ion to the breeding of this class of and many clo the order of merit winnings, the following, enum-
eration tells the tale: Hon. (1ifford Sifton. (ottawa; Ennisclere Farm, Oak ville ; Hon. Aldam T. Rodden, Montreal
vinners were crow \& Murray, G. Taylor, (apt. Hackburn, Loondon, and A , R. R. Robinson, of
Hamilton. In the Hunt Club events, Hon. Allam Seck, of London, captured both the team of three quaitied flunters and best team of three Hunters,
o be ridden abreast. The Hunt (Club Plate was won by T.t. Cliford Sifton, with Ennisclere Farin second, and Hon. Clifford Sifton third
in honor of the occasion, all the pons session, and in honor of the occasion, all the pony classes were
reservel for judgment for their benefit, and that "was a wise move was well demonstrated by the
vigoroms iuvenile applause and hand-clapping that greeted the varions ceents. The classes were well pionship, for best pony in harness went to Hon-
Robt. Beith. on loushion win Iaughtonn Bros.. Toronto., aseetheart, "wned hampionship for best saddle pomy "om to coull


Fing tae be said.The auld wumman sars tae me, "Sandy, daefays 1, "I dimna' ken as he's leatlin' us taewent, but the same auld road oor forefathersollow his directions. Ioll come oot a richt atthe feenish, an maybe do a wee bit o grood alanghe way by helpin' some puir beggar, mair un-ortunate than: mysel', tue get his feet oot o' thehire. In that's better than what some o' ?di-timers used tae preach, wi' their fight in thebey had an singin psalms sae steady thatresent, an' the chance they had daein" theresent, an the chance they had o' daein guid
ae their fellow men was lost sichtatruggle tae mak' sure was lost sicht of in thehemselves an' their ain particular chal safety o"Weel." says the auld wumman, for the sakehaein' the last word, " maybe ye're richt, butken he's no' sae comfortin' a preacher as auld
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$\qquad$ providin' for the future. (sin se hae at wife at
family, or ony ither incumbrances, aro boud think oo the time tae come, when the days will auld an' full o' rheumatism be cauld. an' ye're too very far frae the door. The wise mon will be
anxious, tae a certain extent, about the an' the iuture, dinna' mak' ony mistak' aboot that. The text doesna say ye're no to put onyWhat it's trying tae come at is this account. tae be sae taken up "i the future that sell miss "i' a sumpll stock an (ous younge men has a farm foown mortgake on yer hands, that has tate be that it will fory, that se ve got a pretty guta thinking not at he. Weel. se've got an excuse as rechen hoo naom som persom, mon or wmman, has for ,BI the can trac thay tae day; an" makink the hi. present ly lacin vere little best, ve winna lays s. may nerore see An It's me. a hit mair
universe; or gin he is raising a wee colt
calf, it's the same. He gets the lesson calf, it's the same. He gets the lesson o clevelopment forced on him frae ilka side
farmer hasna half the excuse for going bad that mony a mon has. Tak the chat
has tae paste labels on the bot tles in a has tae paste labels on the bottles in a
iactory, for instance. On the farm, ilka ditiors, for instance. On the farm, ilka
die the one that went before it beter, gin ye're on the richt thack yes
friends, ye ve got a better job than the pres gin se ken hoo tae live up tae ser poseet in naeboody but yersel' tae kick aboot ye ken it already, but some o' Maybe s tae tak' plenty wark. what the doctors ca' greatest pussible amount want to accomplish anxious. Will generally be found warkin sar step a the next day. He is a the time I tell ve, men, wark is a vera necessary pairt wal that changes aff once in a it a the inct
$\qquad$ as weel as the body, an' helps tac keep ye
ruts that yer grandfather died in. There's
$\qquad$

$\qquad$ doon, ve'll no hae muchle but dirt.
the story. John Bunyau tells aboot the chap
the muck-rake. He was sae taken up wi rakil
orether a the straws an sticks he could time
Was held juist above his heid, that he might hat the morrow, that chap. It juist a amoont or buildin' it an to-day is the omly time we
$\qquad$
$\qquad$

High Priced Hay.
$\qquad$



The SandiDunes of Prince Edward County, Ont.
the east end of Big Sandy Bay are about little whenever a strong wind blows.
150 feet in height. On their crests are Then the sand may be 150 feet in height. On their crests are Then the sand may be seen sirting over $\begin{array}{ll}\begin{array}{l}\text { cedars and other trees over which bitter- } \\ \text { sweet and foxgrape climb luxuriantly. }\end{array} & \begin{array}{l}\text { the surface of the dunes exactly as snow } \\ \text { drifts in the winter time. }\end{array} \text { But the main }\end{array}$ The main body of sand has travelled advance takes place, according to local
inland until, where the dunes stood 50 testimony, in the winter, when a mixture inland until, where the dunes stood 50 testimony, in the winter, when a mixture
vears ango. is now a moist, sandy flat, of sand and snow is carried along with years ago, is now a moist, sandy flat,
which is covered with water in the spring, and in the summer and fall supports a scanty growth of rushes, flat-
topped golden-rod, Kalm's lobelia, silvertopped golden-rod, Kalm's lobelia, silver-
weed, old witch weed,
lows.
West
should alternate with those of the ne wo plants of beach grass should
placed in each hole, and the sand presser After the beach foot tablished, weach grass has become e lows (Salix syrticola) should be plant among it, and after this young cedars and white pines should be set out. Thu may a forest
dunes fixed.
Visitors to Visitors to this interesting locality will find accommodation at the Lake Shore which is right in the area of the stag A Potato-Growing Contest.
Those who have been interested in
Pearson Flower Garden Competition Peel County, will also be interested hear tuted in Carleton County-this time potato-growing. This competition is re-
stricted to boys between twelve and eighteen yo boys of between twelve an
ene, and the prizes,
donated by Mr. R. B. Whyte, donated by Mr. R. B. Whyte, of Ottaw
the well-known horticulturist, and orich nator of the "Herbert" raspberry, are a First prize- $\$ 15$ and silver medal. Second prize $\$ 12$ and silver medal
Third prize- $\$ 10$ and silver medal. Fourth prize $\$ 8$ Fifth prize $\$ 6$.
Sixth prize- $\$ t$.

The stipulations in regard to the con test are : That each competitor mus
operate a plot of exactly onetenth acre; that the variety of potatoes grown must be of good quality, such as Car man No. 1, Vermont Gold Coin, or Green
Mountain; that each competitor must all the work himself except in case o the younger boys, who may be assisted with the heavy work, as plowing; that
an accurate account must be kent, showing total expense and profits of show terprise, the scale of charges to acre; each horse 10 Rents of land $\$ 3$ per
boy 10 per hour; each boy 10 cents per hour; each man 2
cents per hour; stable manure $\$ 1$ pe son; seed, at market price per bushel spraying material at current prices.
Finally, a complete record of the work. etc., is to be kept, and written out in
full in story or history form. To facilitate the success of the enter-
prise, pamphlets contuining directions for prise, pamphlets containing directions for
successful potato-culture have heen pre pared and printed for distribution among the competitors, and a committee hy


Resurrected Forest.

THE FATPMER'S ADVOCATE


Apple-picking Made Easy.
 omato-growing contests. It is gratify- able faculty weeds possess of appearing
ng to see, by this potato-growing con- among the plants they most resemble ? ing to see, by this potato-growing con- among the plants they most resemble ?
test inaugurated by Mr. Whyte for Carle- Twice I have had my carrots nearly all
ton County, and the flower-garden com- weeded out, because the leaves of the ton County, and the flower-garden com- weeded out, because the leaves of the petition instituted by Mr. Pearson for carrot and Mayweed are so much alike. Peel County, that the fashion is creep- The same thing has happened with par-
ing, surely, if slowly, into Canada. We snips, but it was marshmallow, not Maying, surely, if slowly, into Canada. We Snips, but it was marshmallow, not May-
shall be glad to announce any movements
weed, that grew among the parsnips. It she
of a similar nature which may be set does not matter how you move those
ofoot by enterprising individuals or so- two vegetables around in your garden afoot by enterprising individuals or so

The Roundabout Club
Gardening.

(One of the prize essays, Stud

Someone has said that it wise
you will begin your garden in the fall, but I believe you should begin it in child-
hood. There are so many things to be hoor. There are so many things to be
learned in a garden, and impressions are so much more easily made in childhood. Blessed is the child who has a corner
mother's garden in which to revel. mother's garden in which to revel.
What funny mistakes the children mak The way they pull up their, plants to see it they are growing, and the amount of
water they will carry just before, or more water they will carry just
likely just atter, a big rain when there is plenty obtainable, are amusing things to older people. Take care ! ${ }^{\text {ol }}$ Do not
"children of a larger growth" do much "children of a larger growth" do much
the same thing in other gardens? How the same thing in other gardens folf
about the mistakes you make yourself There was that first hotbed of yours.
You were so sure you had done everyYou were so sure you had done every-
thing necessary to make it a success. thing necessary to make it a success.
Then you raced out every little while to see if the temperature was just right. To make sure, you raised the sash every time you went, and the result was that
the heat passed ofl too quickly, and so many of your seeds failed that you almost vowed you would never try again.
But you did the next year, and nearly Boa you dour plants.
rou learned at last how to manage roastea learned at last how to manage
Yat part of your garden, but you find that part of your garden, but you find
some difficulty teaching others some some difflculty teaching others some
things you learned from mother so long
ago that it seems as if you knew them
by instinct.
$\qquad$ chooses carrots for chums, and the
marshmallow has a perfect passion for
the companionship But weeds are quite unintentionally re sponsible for much of your enjoyment of
your garden. The cultivation necessary to subdue them is elso the necessary Added to the pleasure of seeing your plants grow, you feel the exultation that comes from winning in a stiff fight. You
feel like one of the knights of olden leel like one of the knights of olden
time as you sally forth to conquest. armed with a garden cultivator as a battlo-axe, and wearing an old straw hat as a helmet. Like David, you slay your
ten thousands, but those Philistines ten thousands, but those Philistines
(otherwise weeds) seem as numerous as ever after the next shower. Someone has said that William the Silent showed
his great generalship in the way he filled his great generalship in the way he filled
his depleted ranks. Measured by that standard, Purslane is one of the greates generals the world has ever seen. You persevere manfully, and learn that
in gardening, as in most things of life, in gardening, as in most things of life,
the joy of doing and the joy of anticithe joy of doing and the joy of antici-
pation are sure rewards, surer than some others, and that persistent endeavor usually spells success. You almost smell
the roses when you prick your hand the roses when you prick your hand
pruning the bushes, and if you ar counting your currants in the blossom perhaps that is just what the robin in the maple is doing. While you are smil-
ing at the prospect of dinners from th vegetable garden and bouquets from th
fower garden, possibly the cutworms an flower garden, possibly the cutworms an various hosts of a like nature are hav
ing a banguet, the cost of which you hat not reckoned. Ind the chickens? Bless your heart
they know a garden when they gee Ind the chickens? Bless your heart
they know a garden when they see it
and it their iden of gardening is a little
hit orratic. they must be given credit for


Dune Burying a Forest.
nowing a good thing, and for indefatigable industry and perseverance in
purssing it. They know perfectly well pursting it. They know perfectly well
that a ripe, luscious strawberry, is food hat a ripe, luscious strawberry, is food
fit for a king or a hen, and that toma-
toes, like a pretty girl, are' very attractive when they blush. You learn at last and that in gardens, both physical and
morat, the good seems to grow stowly moral, the good seems to grow slowly
compared with the evil.
But there is this difference between the gardens. In he whole but, as E. P. Roe points out, known. You may plant strawberries and
onions. together without affecting the flavor of either, and so also the hore-
hound and watermelons. The prettiest.
mose roses I ever saw were grown in the moss roses I ever saw were grown in the
middle of a potato patch.
The last oy gardening brings is, like midale of a potato patch. brings is, like
The last joy gardening late
many other last things, the best. It is many other last things, the best. It is
health. All ye who are afficted with health. All ye who are afflicted with
nerves, whose nights are restless and
sleep broken, go out into the garden steep broken, go out into the garden earth" is as good a medicine as a merry heart. If you cannot sleep after two
weeks' course of nature study of that sort, it must be a clear case of guilty conscience. It will not be the yault o grs. J. H. TAYLOB

SOME MORE ECHOES.
hrough the ice-figlds of hud SON BAY.
There is one echo which almost clamor served it for much later reference as incidental to a travel atory of some sixt years ago, when, in my early gy mith entered together upon one of the most eventrul periods of our lives, my mother having undertaken mission work under Dr.
derson, the first Bishop of Rupert Land. I am writing at this moment a a little haven of rest in the Niagara dis
trict, where I have none of the old notes to keep me accurate in my dates or to remind me of some of the awe-inspiring fields of the Hudson Bay region, so will not attempt much detail until such lime as it may dove-tail in with my scenes present themselves to my mind's eyo, and so clearly are repeated in my ears the mysterious sounds which broke the stillness of those ice-deserts in Hubson Straits, that find it hard to tako daily more and more to tell us of that dread calamity of the 14th of April last.
I can have nothing to say which oan I can have nothing to say which can
throw Hght upon that tragedy; I can only recall, with the deepest of thankfulness, how wisely and carefully, untir-
ingly and skiltully managed by its akip ingly and skilfully managed by its skip-
per, officers and crew, was the good ship "Prince of Wales." which came sailing safely into port at York Fort, on the
shores of Hudson Bay, some two or three shores of Hudson Bay, some two or three
months after leaving Gravesend in June. months after leaving Gravesend in June,
18.1 . Is far as 1 remember, our ship. as well, as her companion, the "/ Princo within hailing distance of us) also survived all ice perils and reached Fort vived all ice perils and reached Fort
Churchill in snfety, was thilt of wood
handling of the matter.- 1 y you a visit to
lieve this last statement. pay
the Broadview Boys at work on their
arm
a chat with the superintendent. They
Boys need some such motive. Thect them
are only boys. You can't expect them
to have old heads on their shoulders,
nor that they shall be willing to wrork
lustily. steadily, and enthusiastically,
lustily, steadily, and enthusiastically,
year in and year out, for your sole bene
fit, without any personal interest what
wer in the matter. You wouldn't do it
fhersml for any other man. stimulath
inst as soon as direct home influence
- heen age fort. such theys' competition


meaningless period of
the United States corn-growing all




Hope's Quiet Hour. $\qquad$ What dishonour we professed disciples of We Would See Jesus.
$\qquad$ nee JESL with the sight;
would see JESS-dying,-risen, pleading Every tiue we are careless about prausing
our debts, every time we try to prind as much work as possible out of an enlployee and pay for his work far less
than it is worth, every, time we take Heasure in repcating a bit of unkind Yossip, every time we are cross or un-
orgiving, we do sonething to reelel the oustide world from a Master Whose dis Qiples are so unaturactive, They see the
lisciples act in a way that is ungenerous or unreliable, and naturally suppose that such conduct is the result of their "hrits
tianity. Of course they dont wunt such (hristianity tourse they thonsiselves. want such
But whon hey see one who is really trying to walk
$\qquad$

Stant companionship cunn give ever-qrow inse gladness and lovableness to Mis orw ervants. ion the come. like the eriech

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| Risen |


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Sut when we have confessed
So far as we discern them, IND GOD has given Pardon, Peac Though we could never earn they Then lying is no 'dangerous' thimy Safe in the Saviour's keeping
The ransomed soul is The ransomed soul is gently led
Beyond the reach of weeping of tell me, with unfaltering vorco When hope is really dawning: should not like to sleep away e anyone to down into the on the shadlow of death so joyousl:

The Robin in the Rain.

The Beaver Circle.

## Senior Beavers' Letter

 OUR SENIOR BEAVERS.A Boys' Garden Company

0


Board of Directors, the Boys' Gardening Company.

he Beaver Circle. is my first leter to The Farmer's Advocate" for some taken and I enjoy reading the letters.
। have two purelired calles called Pansy and king. P'ansy is broken to
lead, and 1 all just l,reaking King. phansy is one year old and weighs a lit the over five hundred, and King is eight
months old and weighs nearly six huntred pounds.
t ko to school every day. There is
nitule creek about half a mile froon our scheol, and we go skating on it. We
site
live about two hundred yards from the live about two hundred yards from th
sichool. 1 Euess 1 will close, hoping my
letter escapes the w.-p. b. (aternox mordue Brantiford, Ont.
Bear Puck and Beavers,- -1 s 1 wrote to
He Beaver Circle before and never saw It. in print. I thought I would write
a
ain. 1 would like very much to join

ur went in the monster w.-p. b. 1 was very anxious for the snow to go

$\qquad$ house fllwers, but one cold winter night
they all got frozen. had one that an
old lady gave me..and it got frozen, too. Whd lady gave me, and it got frozen, too
I was very surry, and tried to tring i
$\qquad$
$\qquad$
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$\qquad$
6
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$\qquad$





较


 man
$\qquad$

| "ondestand. was one of the hats. In the |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

$\qquad$
$\qquad$

| write |
| :---: |
| join |

squirrel that goes down our cell
eats our vegetables and apples. going to dress a doll and hem some prizes for dressing dolls befor am learning to knit. I had a birthda party last fall, but it would tak his in print. Good-bye.


Some Sayings About Gapdens, Etc.
.And he gave it for his opinion, that Whoever could make two ears of corn or
two blades of grass, to grow upon a two blades of grass, to grow upon a
spot where only one grew before, would deserve better of mankind, and do more
esential service to his country, than the vhole race of politicians put ount than the Dean Sw
"Whatever is worth doing at all
orth doing well.".-Lord Chesterfield "No child who has ever loved a garden by experience to respect hanus learned yy experience to respect manual labor, together to bring go
"There is pleasure in working
sil, apart from the ownership of
man who has planted a garden feels that he has done something Yor the good of the world. He belongs to
ers."-Chas. Dudley Warner
Health lies in labor, and there is no oyal road to it but through toil." endell. Phillips
Dr. Hodge, of Clark University, onc keep our prisons and reformatories empty was to give every boy a piece of ground, in his boyhood.
. Introduce a little active participation the care of plants and grounds, and at once to each and every child the gar
den becomes "our garden," and an inden becomes "our garden," and an in-

ury to it a personal affair; any praise or merit becomes a comment on some out the care of public property, consid | eration for others, and responsibility |
| :--- |
| ward public good." |
| M. . Greene | ward public good." - M. L. Greene.

"The love of rural life, of honest work the habit of finding enjoyment in familiar chings, is worth a thousand fortunes of
money or its equivalent." " It is only those who do not know how to work that do not love it. T
those who do, it is better than play-i

The Amateur Gardener

## is almost here. And she will doubtless get it-for Dori is a dear- <br> little bed, six

and sweet peas,
he says she's sure
nd like that with ease.
With pad and pencil she has planned the little garden out.
Just where the inignonette will go an where the pansignonette will go ant.
What sort of border we must have, an that geraniums
Will hold their bloo tis tum ter Dorix.


## The Insle Nook.

$\sqrt{x+5 v a v y}$
Dear Ingle Nook Friends,- -Just a word
to-day, because I want to leave as much of the space as possible for the answering are garden-lovers will be beginning at the soil this week or next, and I just want
to pass on to you a bit from Kipling that you may appreciate as you work.
He is speaking of gardening as a cure for boredom, or the blues-' 'the hump," " The cure for this ill is not to sit still, Or frowst with a book by the fire;
But to take a large hoe, and a shovel

And digo, till you gently perspire.
And then you will find that the sun an
the wind,
And the Djinn, in the garden, too, Have lifted the hump.
The hump that is black, and blue.
If any of you feel run down and out o
sorts generally.-a very frequent. result sorts generally,-a very frequent result
of lack of out-door exercise and fresh air during the winter-I hope you will try
ev a little bit of a garden this year and that there will be in it a good Djinn
who will help to lift "the hump" and throw it away so far that you will not even think of it all year long.
It means so much to be happy-both for our health and our work-and it is
so unreasonable to be otherwise if one can help it. I remember reading some
where where a bit about looking on the blue
side of life, which compared the morbid, side of life, which compared the morbid,
norose, kill - joy sort of person to Morose, kill-joy sort of person to a 1 cup boiling water in which in finger,
woman sitting in a room with windows and woman sitting in a room with windows tablespoonful of sod i. . Hold cup over
opening on both sides, those on the one the mixing bowl so not to lose any of
side commanding a view of a beautiful the water; 6 cups of flour. Stir well.
fiower-garden. those on the other looking and allow to side commanding a view of a beautiful the water; 6 cups of flour. Stir well,
fiower-garden, those on the other looking and allow to stand 10 minutes. Place
out out upon an unsightly dump.
woman might woman might have looked out upon the
flowers all day long, but instead she chose to sit by the window aboy But who wants to talk of hlues these inspiring spring days ! If you have even wicked to nurse them at any time. Get
away from the window that suggests un
pleasantne away from the window that suggests un-
pleasantness. Go out into the garden.
work at it with your own hands, try to get rid of the "hump,", and you may be
sure that there will be a rood ming hand to help you. JUNIA.


TITION.
columns of your papor, agitate a compe-
tition (fower) for the County of Halton? I know several farmers' Hives
and daughters who would like this. and daughters who would like this.
FARMER'S DAUGGTHER.
Halton Co.. Ont.
( cannot "agitate" a flower-garden
competition for Halton County, but I

QUERIES-GINGER COOKIE a farmer, almost four years ave read with pleasure and protit in
Ingle Nook, and have felt very gratecfu
or many useful hints concer for many useful hints concernin
making. II am always glad
letter from "Lankshire gact t with the coming of spring she may
better health. I have tried some of
tood recipes, good recipes, but have found sometimes curate enough to give the best resullsnotice much written about the work un a
do not see any, so fifference between keeping because where I live my husband mates the living, I keep the house, and look after the comfort of the family generally,
providing well-proportioned meals, suitproviding well-proportioned meals, suit-
able clothing, clean, well-aired, warm rooms in winter, and cool ones in sum-
ner, as far as possible, and really my time is quite occupied without reaying to ielp outside. I never can understand
hy men who get their living from the soil need their wives to help thenn
much. Other occupations seem so diffe nt in this regard. Besides, it at seems
to me that if the one that if the head of the family mained unmarried until he thought he
I want to tell you, dear Junia, that 1
ike your new name very much. I have
inought of you as an elderly thought of you as an elderly person
hitherto, but this new name gives me the feeling that you are really quite a younct Of course, I want to end my letter ne usual way, that is, by asking for to know about peacocks. I would want apply, or how much one would where to ven how to care for it. Thanking you, will with best wishes for all Nookers, I cookies. One cup molasses, it jing cups white sugar, 1 cup lard or dripping, 1 and allow to stand 10 minutes. Place
on greased pan as drop cookies, and bake in moderate oven. "Kooskey:
York Co.
Vo. Don't you think that sometimes, while hethod of mixing materials in cookery:
some difference in the temperature the oven, may bring about a failure of
results? I remember having thad a and time in regard to layer cakes; howere hands, was not up to outcome, in my
an acquaintance away mark. Then gave mea a bit of instruction on the mix.
ing, and there were no more dry or "holey layer-cakes. "Cream together the butter
and sugar first," she said, "then beat in
the already beaten eqga, "tdd the in next, and finally, the flour sifted with the be very accurate about contributors may sometimes, perhaps, they should add fur-
ther directions,-and even then some practice may be, necessary before the finm I am glad you like my new name,-
but , please don't jump at hasty conclu-
sions. I have been much amused at the 0

MAY 9, 1912 the parlor walls, look
good rus would be sure good rug certainly though 1 showld not try
most
to match anything alrealy in the col tage. Make your plans with regard to ing. It would so nicaly with thin conecols what you will want in the larpere house.
and buy acordingly, getting just sus fei.
things as you can do with.
this will
 house, sut will save you the present risk
of geting things that thay the out of
ballance or harrunny with that home. If you are fond ot green, and have
fixed upon it as the teading color-note Lor your drawing-roon, you will find no
trouble in getting a pretty rus in two tones. But I think you will run a risk
in geting one or your small parlor, yn-
ins. less, as 1 say, it is one that hays be
utilized tor a bedroom later.
your final see.

$$
\begin{gathered}
\text { your marer mar. } \\
\text { mour } \\
\text { The net }
\end{gathered}
$$

The net you mention may be bought
by the yard, with a lace edge all ready. Ask tor regular curtain net. $\begin{aligned} & \text { Some buy } \\ & \text { the plain net, hem it, and sew on a }\end{aligned}$, simple design in intat crama braid. often
the net is used simply tor sash-urtains

back over the wall. The oldd-lashioned.
much-patetreed lace curtains are not now
much used, except, occasionally, for
ous.
drawing-rooms, when they must be of
very good quality and desi inn As a
erery good qualuty and desigur as a
rule, Ince curtains reach the luor; others
usually come but to the sill.
usualy come wat The wiker chairs will do excellently
tor the cottage, and will work in well
afterwards. You are fortunate in whev.
ing good leather chairs and couch also


be needed but a a student's lamp, with a
sbate on simple lines a square one with
vooden trume would aok well

artistic coloring (say browns and dull
arters.
greens) for the couch, and one or two
greex chairs.
of the
You can get all information in regarc

depa. of course, the
are,
nicest, it one one canno
aflord porcelain.
I should not not carpet for the bed
rooms; rugs are better , and you can gee
many of the best houses the foors are
bare (bardwoot, it possile), simply
stained and finished nicely, and the rugs
sted are amall,-one before the bed, an

housekeepers in simple houses otten use
an unotrusive linolemu for the foor,

sanitery, hard ot sweep, and a pertect
nuisance at housecleaning time.
The dresser needs but few articles,-,
Iinen cover, a tray tor bunsh and ocmes,
0

bedrom, The mustin may be trilled
atong the cege. 11 you ritere, you can
and
lave of chintz, with valance of the salue
airosss the top. Cotuon crepe, witu
Sinds of chintz or insertion, is also nice
or whirs, where
Oor




ywur hall is so very son small, it would
nedy



THE FARMER'S ADVOCATE.

## on leave the selvage at both sides nly hem the bottom and top?

 to the middle of the window and the
lower ends. .eaving the selvage at the
back. Hemstitch the hems, and put the stencilling immediately behind the hell-
stitching. In one instance I saw the stitching. In one instance I saw the
stencilting placed directly upon the hem,
and the efficet was not bad, although it

## mouldy lard-halr, etc.

 Dear Junia,-This is my first coming,and, like some other Nook folk, I cone and, like some other Nook folk, I come
because I am in trouble. Can you tell me the reason my home-
made lard turns green and mouldy in the
center? I had about twelve pounds in an earthen crock, rendered about two
months ago. It looked all right on tor when I began to use it, but when I got
to about the center there was about on to about the center there was about one
pound quite green and unfit for use Then, below that, it is quite white and tom, I would have thought the vessel
was porous and had admitted air, but was it is I am puzzled to account for it.
as
Sweetheart was asking how to make hair grow. Someone told me years ag to singe the ends of instead of cutting
my hair and that would promote growth. I acted on the advice, and have now as
long hair as I desire, though it used to be short.
We have taken ". The Farmer's Advocate" for a little over two years, and
feel we would be lost without it. There feel we would be iost without all the fam y. The children look for the Beaver
lircle, and are pleased if they find a leter from any of our acquaintances. I wonder if eny of the mothers know
It my plan to strengthen the children
boot-laces and make them wear about a long again. I take a darning-needle or
bodkin and run a piece of twine through the center of the lace.
Now. Junia, I think this is long enough or a beginner. I like your new name better than the old, though I used to
look on that as a friend. I have found lots of helpful things from your pen.
Now, I will sign myself what I am Now, I will sign myself what I am
reality.
A LANCASHIRE LASS.

lard became mouldy because it was not
boiled enough in rendering. The lower temperature gives whiter lard, but it is
much more likely to mould, as some micro-organisms may be left. When lard is but slightly affected, it may be sweet-
 slices of raw potato. When the piecess
of potato are quite brown, remove them and pour the lard into an, earthen vessel.
Lard should be kept in a cool place, Lard should be kept in a cool place.
covered with a layer of salt confined becovered with a layer on salt conined Put two or three thicknesses of pap
the crock and tie down closely. the crock and tie down closely.
Did you make soap with your spoil lard? The housekeeper to whom Y have
referred, says that probably it would
$\qquad$ MAKING HOUSEWORK EASIERDear Junia,--For years I have been
very much interested in the Ingle Nook but never attempted to approach the
Circle before. Perhaps I have always felt that I was too busy, as all farmers wives are sure to be. I wish the Nouk-
ers would contribute some articles upon ways and means of making their work
easier., Let us discuss the problem easser. Let us dscuss ad throw in
Shall I take my turn first and thay
my mite? Perhaps it may help someNow spring is upon us once more
one are one and all busy. Hoseclean-
we ing, gardening, milking, churning, raising
calves and poultry, all, have to be done so I have made one step towards mak-
ing lite easier by getting my spring and summer sewing done during the winter
months. But to go back further still,months. But to go back further still,-
during the July and August months last year, I bought gingham, print, etc,
at reduced prices, also rep, mustin, etc
which the merchants were trying to ge out of stock in order to get in
goods. This saved pennies, as
sprring the same goods are raised spring the same goods are raised
fourth price. Then, during J January
for children and myscle, all aprons and
house - dresses for both. March comes in the spring styles are in
also. One can then get spring catalogues and mapazines and make up all the better clothes. 1 found this methoy
saves me a lot of work durine the sprin as seamstresses are very scarce here, and
dut winter months I do not have outside, even Yor wood or water. This
also is also is the time for us mothers to
"brush up" books, get the latest music, and keep up with the times. If we don't do it. our
children will get ahead of us, and we will children will get ahead of us, and we wi remember of once hearing a school-teacher remark, "I wish mother were here. Sh would know what to advise me to do in
this matter." My thoughts were. "That girl has a progressive mother." "She who has held her mother in great respec But I have strayed from my theme ny ideas to offer upon the of you hav acing our summer work in the line ried some schemes in the it ha
Near about it, may writ you wish to
you some old. English dishes which
have never met with in Canada. Now
don't think that I came from England
r
herited," as I had a Cornish grand
helped an American lady once with
ery much. The "chickens" were "old
hens." you understand, at that time of
yoiled Thoy were plucked clean and
spoon of good vinegar added as they boil
helps to make them tender, and does not
mpair flavor at all. Then remove all
skin and bone, and cut the meat very
ine, or run through a meat-chopper. To
the meat of three chickens, add three
cucumbers and two heads of celery
hopped ine, also add pepper and salt
vegetables may be bought at that time
of year if not in one's own garden.
sisp. Well, I think there is "' 'nuff sed'"
for this time. Hope you are not tired
me, but I enjoy other letters so much
could net refrain from adding mine
CARLOTTA.

The Scpap Bag LOWERS FOR CUTTING
Somewhere, in a corner of the vege table garden, or in some other spot where
the flowers will not me missed if cut lav ishly, plant a bed of flowers for house decoration; every room that is used dur-
ing the summer should have its bouquet. Annuals recommended for cut-flowers are Ageratum, blue and white; cornflowers, blue and white; cosmos, pink, crimson,
and white-blooms late in fall, and if not in bloom when frost comes may be hrought into the house, single dahlias,
red, white, yellow, blanket flower, red, yellow; baby's breath, white; annual phlox, white to crimson; scarlet sage, mauve verbena, white to purple, peas are also fine Nasturtiums and swee may be planted of cutting, but they hey bloom Giood border plants are. Alyaul .verlew, dusty miller, ageratum, dwar enfective, should be massed closely.

> PLANTING BORDERS.
Be sure to have the tallest plants,

$$
\begin{aligned}
& \text {, hollyhocks and perennial larkspur, at } \\
& \text { he back of the border, graduating the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { the back of the border, graduating the } \\
& \text { plants according to height towards the }
\end{aligned}
$$

vines.
Use vines lavishly to cover fences, posts, unsightly walls, etc., and to drape orches. The following are good Morn-ing-glory, scarlet runner, balloon vine
cobcara, climbing fumitory, clematis pani

## 898 <br> THE FARMER'S ADVOCATE:



## Mangels



Champion Yellow Internediat
Yellith'
Krizetaker
Ken


Fertilizers
Order alons with your seeds
Muriate of Potanh............ $\$ 88.00$ per ton
Surphate of Potash $\begin{aligned} & \text { Acid Phosphate } \\ & \text { Nitrate of Soda }\end{aligned} \ldots \ldots . . . \begin{aligned} & 31.00 \\ & 57.00\end{aligned}$ Our Catalogue tells how to mix for the
different crops. For Clover and Timothy prices see advertisement last issue
send for catalogur
KEITH \& SONS Seed Menchants since 1866

TORONTO, ONT


TIV IT-test it-see for yourself - that "St. Lawrence Get a 100 pound bag-or ever a choice a sugar as money can buy. "St. Lawrence" with any or even a 20 pound granulated suga
Note the pure white color of 'St. Lawrence", uniform grain-its diamond-like sparkle-its matchAnd Prof. Hersey's analysis is the proof of purity -" $9999 / 100$ to $100 \%$ of pure cane sugar with no impurities whatever". Insist on having " $S$ LAWRENCE GRANULATED" at your grocer's.
st. lawrence sugar refining co., limited. montreal.


The New Champion Scuffler


Bruce Agricultural Works, Teeswater, Ont.
culata, wild grape, hardy climbing roses, all sides with toosely-crumpled paper the
honeysuckles, cinnamon vine (for twining prevent crushing when the box is moved honeysuckles, cinnamon vine (for twining prevent crushing when the box is move
around posts), Virginia creeper, Boston
about, then tie the box strings, and res
ivy. Very dainty vines for places where content that the hat will cown News of the Week.

$\qquad$ Hes will he run from Tormato, to (inelp)
 and

$\qquad$

The Scarlet Pimpernel.
A story of adventure
(Serial rights secured by ", "The Farmér's
By- permission of G. P. Putnam's Sons. Continued from last week.)

means everything that is choicest in fine tea. "SALADA" means the world's best tea --. "hillgrown Ceylon"--- with all the exquisite freshness and flavor retained by the sealed lead packages.

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Atlantic Red Engine Oil is just the right oil for slow and moderate speed engines and machinery. It is a medium bodied oil; works freely between the wearing surfaces, and forms a cushion that lasts.

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CDWAN'S PERFECTIDN cocda (MAPLE LEAF LABEL)
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DO YOU USE COWAN'S?


## PAGE 'ACME' LAWN FENCE <br> This famous " Page" Fence comes in rolls up to 200 teet in length. These are painted either white or green, and you may have Page " Acme" Fence in any height from 2 feet to 6 feet tall. Be sure and get the genuine "Page Acme" Fence, for there are imitations on the market that resemble this fence closely. By carbon steel-wire uprights, which are as stiff as thick high <br> 



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you need fencay for the Page Catalogue of "Acme" Fences If you need fence of any kind, remember the Page Catalogue quality. quality.

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Winnipeg, R. Langtry, 137 Bannatyne St. East


you know what you propose doing
man's work - -you cannot possibly jour
ney to Calais alone You woubl ney to Calais alone. You would be run-
ning the greatest possible risks to yourself. and your chances of finding yourhusband now-were 1 to direct you ever so carefuly-are infinitely remote." Calais. With Chauvelin we reach murmured softly. "I hope there are dan-
gers, too:-1 have much to atone for. every step the Scarlet Pimpern heels, hours, that she allowed herself the luxury ". God grant it. Sir fir with danger." brighter thoughts. $\begin{gathered}\text { few more hopeful, } \\ \text { Gradually the rumble }\end{gathered}$ farewell. We meet to-night at Dover : lin's eyes are fixed upon you all; he will
scarce notice me. Quick, Sir Andrew !
to it, as my laci
escape detection. "I am entirely at dame," rejoinely at your service, Ma she would say to himl whendered what fuld stand face to tang the beautiful woman, who was asking
him to trust her, was undoubtedly in earnest, his friend and leader was equat-
ly undoubtedy in imminent danger, and ". Lady Blakeney," he said, at last,
". (iord knows you have perplexed muc, so lies. Tell me what you wish me to do
There are nineteen of down our lives for the Scarlet Pimpernel "' There is no need of lives just now.
my friend," she said drily; " my wits
and four swift horses will serve the nec-
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to yeu : shall I alto confess my weak- me. Gladly would i or any of my comb rades lay down our lives for your husand hecause I was too thind to under- $\qquad$
$\qquad$ and heceause I was too hind to under-
stand. You must confess that the band-
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THE FARMER'S ADVOCATE
901

MAY 4, 1912
Stories About Kitchener

to report loss of five men through ex plosion of dynamite," was the gist of a elegram from the .front put into bio hands one day., "Do you want any
more dynamite? swer. Men do the impossible at a word from him. "Twelve hours in which to carry this despatch? You must do it in
sir", and the officer who asked for the twelve hours did it in five.-[Westmin;er In Lilac Time Whough orchards of old apple-trees That Spring makes musical with bees By garden ways of vines and flowers, And swallows sun their plumesThe path leads winding to the gate,
Hung with its rusty chain and weight. Hung with its rusty chain
That opens on a lilac-walk, Where dreams of love and $m$
Born of the dim perfumes
$\qquad$ And locust-trees on either side
Its windows, kindly as the eyes of friendship, smiling at the skies, Each side its open door.
Beside its steps May-lilies lift Beside its steps May-lilies lift
Bell'd sprays of snow in drift on drift Again she stands- the one he knew Again he meets her, brown of hair Among the clustered lilacs there. he sun is set; the blue dusk fal nesting bird another call.
l star leaps in the sky Igain he breathes the lilac scent
And rose: again her head is bent And oh! again, beside the gate, 14. see the round moon rise
B.fore they kiss good-by.
(a)
 Through memories of her face and hair-
Thchanged, like some immortal rime. Where evermore 'tis lilac time.

The Dandelion.

The Snail's Mouth.


Harriet Prescott Spofford, in Har
Little black poppy-seed,
Almost too smaIl, indeed,
For thought or sightliness,
Held in your heart a true
Magic and mightiness !
-Sunshine and earth and rain - Sunshine and earth and ra
Some film to sunderGreat sails of scarlet lean Wide wings of silken sheen-
What is this wonder ! So in my baby's form, So in my baby's forn
Dear, and so sweet a Slumbering evangel, Slowly with wings of power
Opening like some white flowet Opening like some white
Waits a great angel !

Song from Pippa Passes. The year's at the spring
And day's at the morn: Morning's at seven ; The lark's on the wing :
The snail's on the thorn
God's in his heavenGod's in his heaven-
All's right with the world -R . Browning.

## Solettion simple.

 A lady in the center seat of the parlor car heard the request of a fellow passenger directly opposite, asking the porterto open the window, and, scenting a Co open the window, and, scenting a
draft, she immediately drew a cloak '" Porter, it that window is opened." she snapt," testily, "I shall freeze to death-" "And if the window is kept closed,' returned the other passenger, surely suffocate.
The poor porter stood absolutely puz zled between the two fires.
$\qquad$ mercial traveller near by, "what would "Do ?" echoed the traveller. " Why,
man, that is a very simple matter. Open the window and freeze one lady. Then
close it and suffocate the other."-Ladies' The cultomer had waited fifteen min The customer had waited firteen min-
utes for the fish he had ordered. He
$\qquad$

"It is impossible to feed hogs profitably with grain or corn alone, as these feeding. stuffs do not contain sufficient protein which is necessary in order to make up the proper feeding rations.

The above is an extract from a letter received recently from ne of the largest hog-raising concerns in the country. They state furthe
"We estimate that every 100 lbs. of Harab DIgestlive Tankage causes an extra increase of 75 lbs . of Pork, which would not be obtained when "We are ineding stuffs alone
te are highly recommend every farmer raising hogs to give thi
trial, and undoubtedly he will acknowledge its advantage.

Bow Park Farm, Brantford, Ont. (Signed) OTTO HEROLD, Manager.

If these people cannot feed hogs to best advantage without this food, neither can you, nor can you afford to be without it.

## HARAB

DIGESTIVE TANKAGE
THE PROTEIN IN HOG FOOD
Guaranteed Analysis: Protein, $60 \%$; Fat, $8 \%$; Fibre, 6\% Write us for prices and particulars of this new hog food

The Harris Abattoir Co., Ltd. toronto, ontario

THE FARMER'S ADVOCATE

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|  | excelled eggg, dollar setting ; four dollars hun dred. E. W. Burt, Paris, Ontario. |  |
| Sorsem |  |  |
|  | comb Rhode Island Reds, $\$ 1.00$ per 15 : $\$ 1.75$ per 30 . Good utility pen. Frank Bainard, Glanworth, Ontario. |  |
| Eggs: $\$ 1.50$ per $15 . \quad$ J. R. Kerr, | R OSE-COMB REDS-Prize stock. Eggs |  |
|  | lars; hatching from number one pen, two dol- well, Cooksville. |  |
| $\mathbf{B}^{\mathrm{VY}} \mathrm{BRORY}$ OHiCKS | R |  |
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|  |  | and leaving for caller information either in Lon meet and give fur don or Toronto any time , within two weeks Bos G, "Farmer's Advocate," London, Ontario. |
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|  | \%ritish Cattle Market. |  |
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## GOSSIP




## 904 <br> ГHE FARMER'S ADVOCATE <br> FOunded 18 <br> HOUSEHOLD NECESSSTITES

Below are described some of the premiums which we are offering this season. You will be highly pleased with any of them you seane The required number of new yearly subscriptions to "The Farmer's Advocate and Home Magazine" is marked after each.


COMPLETE KITCAEN EQUIPMENT.-A utensil for every purpose. All made of the highest grade of crucible steel. Rubberoid finished, hardwood handles, mounted
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SUBSCRIBER.

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Penknife, both nici.el-handled and hay Panknife, both nicl.el-handled and hav
in two blades. Manufactured espe in two blades. Manufactured espe.
cially for ' 'The Farmer's Advocate.' worth, retail, \$1.00 each, ONE NEW SUBSCRIBER FOR EACY KNIFE.
40-PIECE AUSTRIAN CHINA CEA-SET.-Handsome and dainty in
shape, coloring and design, ordinarily retailing from \$4.00 to \$6.00 depend a few sets left, so send your names as soon as possible. FOUF
NEW SUBSCRIBERS.

BIBLE.-Old and New Testaments in beautifuly clear, legible type; ref-
orences, concordance to both old and new testaments. Index to names o persons, places and subjects, occur-
ring in the Scriptures. Twelve full page maps; all excellent in type and
outline. This book is of most convenient size, being $7 \times 10$ inches when open; weight, 23 ounces; and would sell at regular retail price from \$1
to $\$ 1.50$ ONLY ONE NEW SUB to $\$ 1.50$.
"THE VISION of his face," by Dora Farncomb, writer of Hope's
Quiet Hour in "The Farmer's Advo cate," contains 18 chapters, 224 pages, in cloth with gilt lettering One of the many expressions receive regarding it is: "I am pleased, is better, fuller and richer than oxpected,", Cash price, cloth hind
ing with gilt lettering, 75 cents ing with gilt lettering, 75 cents
handsomer binding, richly decorated UBSCRIBER
"CARMICHAEL," by Anison Norl cloth, illustrate ays: "It is run of fiction. poople." Cash,
SUBSCRIBERS


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An Acetylene lighting system can be installed in your home without cutting up floors or walls, and at small expense.
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Then-y
 mat cave in every room a light that sheally daylight's counter-part-a light that is soft, light that shows colors as they really are, and makes a
With all these advantages you'll get more light for your money, for Acetylene costs only from $1 / 2$ to $3 /$ as much as coal oil light of equal bin why not have Acetylene?

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ACETYLENE CONSTRUCTION CO., LIMITED

## For the Immigrant

The Immigration Department of the Canadian Northern Railway have inaugurated special
facilities for the benefit of Immigrants travelling by the Royal Line of Steamers.
Organized parties in charge of experienced Conductors are arranged for the benefit of those who desire to travel in the cat.

BOATS MET AT HALIFAX AND QUEBEC
The Representative of the immigration Department, thoroughly familiar with the customs and of Steamers for the purpose of advising ammigrants and Toronto, Winnipeg, etc.
to various points in the interior. such as Montreal,

## BHIP'S MATRON

An Officer of this title has been appointed to each boat for the special benefit An third-class passengers. The sole duty of the Ship's Matron is the care of
of
women travelling with children and young women travelling alone, also women traveling with chindren $\begin{aligned} & \text { young children. For further information write }\end{aligned}$
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 The teem usally appied to the makes, with their incessant rattle and clang.
They are compactly constructed and their They are compactly constructed and wood.

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QUESTIONS AND ANSWERS. Miscellaneous.


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COSTS LITTLLE

But the comfort and health the increased enjoyment and power it will give you cannot be measured by money.

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The Stratford Lawn Swing


Just the thing for your Lawn or Gar-
den. It and a source of enjoyment for the grown-ups too. It is inexpensive
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Start the season right by
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are made very two wetks.
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$W$ rite for cans and further particulars to WALKERTON EGG \& DAIRY CO... LIMITED

TIONS AND ANSWERS Miscellaneous. ALSIKE FOR SEFD What is the proper way to handle a
field seeded down to alsike for a crop
of seed? Will cutting it for seed kill
the routs the roots, or woulding it be all seed kill
leave for pasture next year? This tield
is is all in good condition, but part of it
is low and mucky. Do you think the
low part would be an tow part would be as good for seed as
the other part? A SUBSCRIBER. Ans.-Some pasture the crop a short
time in the spring, and run the mower
over it over it early in June. letting the clover
grow up again to cut for seed others when it is cut. Cuthe along until mature,
weakens the plant. for seed so wenkens the plants that they do not come
on again for another crop. It is better
to plow the field to plow the field after cutting. The low
land will likely grow more straw, and
not quite as not quite as much seed as the higher
land, although alsike does very well on
con comparatively low, heavy soil.
TOMATO FERTILIZER. In your issue of March 28th, w. R
Gay's address on "Growing .Tomatoes" Gay's address on "Growing. Tomatoes"
was reported.
but e spoke of a fertilizer,
but did not give the quantities required of each to make up the amountities required
of bould
it be got in the drug store? I would
like to like to try it, but I am only a would
grower and would not need much. Are
there any other names for the things
that Mr Gay grower and would not need much. Are
there any other names for the things
that Mr. Gay speaks of, or anything that
would the that Mr. Gay speaks of, or anything th
would take their place to make up
small quantity to try it? sman quantity to try it ? If
please give through ."The Farmer's
vocate." Ans.-The fertilizer referred to was
guano, which is largely composed of the
dried excrements of sea guano, which is largely composed of the
dried excrements of sea fowls. It con-
tains, on the average, from to 10 per
cent. nitrogen; 10 to 30 per cent, phos-


Tall Grain and Short--Both Look Alike to a Deering New Ideal Binder
$T^{\circ}$ O haresesterceastuly yorot or alal grain thatit fillued
 farmers of Eastern Canada.
Deering binder features solve these problems. The of the platform allows the machine to be tilted to cut close to the ground without pushing trash ahead of the knife very short grain, makes the Deering binder very successful $\quad$ The Eastern Canadian harvest fields. the rear to enable it to deliver the grain properly to the the top of the elevator and delivers the grain up close to two packers. A third discharge arm keeps the bound sheaves free from unbound grain. The Deering knotter never fails.
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Ottawa, Ont. St. John, N. B. IH C Service Bureau
 analysis, as ait varies greatly in compo-
sit it somen. It is sometimes handled by seeds-
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men. or men, or dealers in fertilizer. Any com-
plete fertilizer contan ents should be all right for the e ingrediDut a relatively large per centage of pot-
ash and a small per centage of is desirable, as too much nitrogen tends
to produce truit, while potash produces and more fruit
and smaller HAMPERS FOR VEGETABLES. I would like to have exact information
as near as possible of the methods em-
ployed in sellin Ployed in selling market-garden pods em-
in the hamper form, particularly bards the shape, size, and style of ham-
per used for vegetables, eggs, etc. I
have seen something of this trade men-
tioned in your paper.
have have an idear as to to the exact shape of of
crate used for the purpose, or might
even be gad even be glad to buy a samplo crate,
you could advise me where these have
been made, in case the been made, in case the dimensions are
peculiar, and would require a sample
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DICK'S PATENT RIDINGI PLOWS with No. 9 bottom ; useful in any land, but more adapted fittod clay, or heavy soil and sod. It cuts a furrow from 9 to 14 with straight coulters. Skimmers. Cut represents it fitted ily fitted, at a slight additional cost. The coulters are readplow is balanced by a strong spring, which makes it easily raised by the operator. By replacing the No. 9 bottom by the No provide extra points and neckyoke with or lighter soils. We Order direct
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the leennsylvania state Collere, appear Auth Company, of New York, are to be be Mun ratulated on the completeness and
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erican and Canadian growers, and the hest modern literature available on the In separate chapters. it gives
General View, Selection of Location
Sollo rols. Commercial Fertilizers, Irrigation Insect Binetnics and Fungous Diseases
serds and sieed cirowing. Construction of
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THE FARMER
QUESTIONS AND ANSWERS Miscellaneous.
discharge from vulva
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| ORAWFORD $\&$. McLACMLAN. Thedford P.O. and | hand a few good Clydesdale Stallions

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Prizewinners. We still have a few Percheron first-prize three-year-old them being the first-prize three-year-old at the Toronto
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what there is to do will agree never to leave the work hardest when I am full，but always ready tor
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farm nor to interere in any way with yonr horse
cades，will not keep the hired girl up late at nights． trades，will not keep the hired girl up late an nights
hoo show the waternelon path to the boys from
town，nor smoo
 crops will increase forty to sixty yer cent．or more
in quantity and imporeve in uadity
Will prepare vour soil tor cultivation earlier in
 the spring and make it warmer by severacedgre
will prevent siol baking and torming in clods．wil
make your sub－soil one vart laboratory for the pro
 nost fertile elementst of your soiil from being carried
off to your neigbbor＇s land by surface washing．


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year＇s crop
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Messrs．Hickman \＆Scruby OOURT LODGE，BGBRTON，KBNT，BNGLANL Live Stock of all Descriptiens．
 Island Seed Oats max exwayw

[^1]
## Goo．Rice，Tillsonburg，Ont．，Secretary of the Oxford District Holstein Club，an－ nounces a consignment sale of high－class Holsteins Holsteins，to take place at Woodstock， Ont．，June 12th．Look out for adver－ tisement in these columns ut

## ， <br> ＂Eastlake＂Steel Shingles <br> will save you money


ust ask yourself this question Mr armer，＂Is my barn roof lightning proof－is it fireproof
t＇s not a cheerful sight to see your barn－full to overflowing with the season＇s crop－wiped out by ighing or a spark from the threshing engine． All because of faulty roofing． A fireproof roof is the only sure pro－ and implements．
＂Eastlake＂Steel Shingles are absol－

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By
The Philosopher of Metallic

Town

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EASTLAKE STEEL SHINGLE
 utely lightning－proof，fire－proof，storm－ proof and vermin－prouildings．
＂Eastlake＂Metallic Shingles are made of the finest galvanized stay－ save labor and expense．
＂Eastlake＂Shingles cost less than a wooden roof equipped with lightning rods．
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Roofs covered with＂Eastlakes＂a quarter of a century ago are in perfec condition to－day．This is the bes guarantee for you
Send for our illustrated booklet， ＂Eastlake Metallic Shingles．＂Write to－day－－－just your name and address．
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stable or yard，for all stable or yard，for all
domestic purposes，and
forfire protection．The for fireprotection．The
cost is so low that al cost is so low that a
most every country re
sident can afford to in stall it．Operated by
windmill，electric mot－ windmill，electric mot－
or，gasoline engine or
by hand power．Write information．
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No mill feed The only calf meal manufactured in an exclusive
STE円工田，BRIGGS SHED CO．ITD．


Aberdeen-Angu i-A few bulls to sell yet $\dot{j}$ Walter Hall, Washivgton, Ont. Scotch Shorthorn Bulls (20)
 H. J. DAVIS
Woodstock, Ontar Breder of Shorthorio

Clover Dell Shorthorns

 | Bolton, Ont, Bolton Sta., C. P. P. |
| :--- |
| Catedon East, G. T. R. P. Phone. |

Shorthorns ${ }_{\text {heifers }}^{- \text {Nine }}$ bulls and a nor sale at very ot Robert Nichol \& Sons, Hagersullle Ont

The young Scotsman, after having been without making an offer to "stand" any-
thing himselt, was at last seen to put triend an don't you offer to pay," said his better leave that to me."
"I never thocht the Scotsman with indignation, "I was

BAD BLOOD CAUSES BOILS and PIMPLES
Get pure blood and keep it pure by
removing every trace of impure morbid matter from the system.
Burdock Blood Bitters market about thirty-five years, and is one of the very best medicines procurable for PIMPLES CURED
Miss J. M. Wallace, Black's Harbor,
N.B., writes:-"About five years N.B., writes:-"About five years ago $\underset{\text { pimples. I I tried everything people told }}{\text { mith }}$ pimples. I tried everything people told thought of B.B.B. and decided to try bottle. After hinishing two bottles i was entrely cured, and would advise lon to use B.B.B.
BOLLS CURED.
P.E.I., Ellsworth
were covered with
kinds of remedies
cood. I went to many docto
Blood Bitters, and I m
derful remedy for the cure of
Burdock Blood Bitters is
Galy by The

THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS. Miscellaneous.

SWELLED HOCK

 and she mave have stipred turn innine in in
 ings. The deacripton of the sweling



 crop for salt soil.



$\qquad$
$\qquad$
$\qquad$
$\qquad$
tobacco Seed
$\qquad$
$\qquad$ Know in your next edition where tor pred
cure ennugh gooft seed to pliant an acre and the way to plant theny surscriber.




 hungarian grass.
 and


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big money in it, if you have the right machine. We can supply money in it, if you bave the right machine. We can supply
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kinds. Be the first to get our money-mak. kinds. Be the first to get our money-mak-
ing proposition. Write to-day for

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ORCHARD GROVE HEREFORDE Champions of 1911 shows, winoning both senior and junior herds ar Wingipeg, Brandon
Regina, Edmonton, Toronto and London jalso fifteen championshipa, Lons-distance 'Phone Pleasant Valley Farms Shorthorns For Sale: Scottish Signet, best son ot imp Farm 11 miles ear tot Guelph, C. P. R. . . Geo. Amos \& Sons, Moffat, Ont
 uder a y yoar for sale at reasonable prices.
J. A. WATT, Salem, Ont. Elora Sta, G. T. R. and C. P. R. Scotch Shorthorns $\begin{aligned} & \text { Fort SALE-One of our imported herd bulls and } \\ & \text { eight hevy-boned. deep-bodided. Iowdown bull calves }\end{aligned}$ arm $\frac{1}{4}$ mile from Burlington jut. Station. MITCHELL BROS., Burlington, Ont WRIE STILL TO THE FRONT
 SHORTHORNS AND CLYDESDALES We lave for sale four gour
may 9, 1912
QUESTIONS AND ANSWERS Miscellaneous.

CROSSED WIRES is a rural telephone company thit obliged to pay to mailroan company or telegraph company fur the
privilege of crossing above their wires? We cross them three times, nat they sends us a bill for $\$ 3.00$ annually, an
compel us to pay this-as we are hel respon?
wires
Queber.
Ans.-They are probably in a prosition
to either compel payment of rent or the to either compel payment
removal of your wires.
HOMEMADE INCUBATOR.
 columns of your paper, the dimensions of
an incubator best adapted to the use hation of the incubator Ans.-With so many satisfactory ma-
chines on the market as at the present to make an incubator at home. Wu, $0^{\text {comenen }}$

ABSENCE OF OESTRUM. I have three cows that have been milk-
ing all winter. They have been fed roots,
grain and hay all the time, and look grain and hay all the time, and look
well, but they have never come around. What is the cause, or can I give any-
thing that will bring them around, as I wanted them for next winter cows? Ans.-Absence of astrum is frequently
noticed in cows, and the cause is not always apparent. It is sometimes due
to low condition, or may be caused by to low condition, or may be caused by
disease of the ovarios, which is incurable. likely due to any disease. Feed them
Give a larme well. Give a larger proportion of con-
centrate feed, and if possible allow a bull The administration of 2 dranss of nux has sometime
sired effect. CROSSING POULTRY-EGGS FOR 1. Does it do to cross Rose-comb
Rhode I Island Reds with White Wyan-
dotten and plyenth dottes and Plymouth Rocks? We have
a Rlode Island Red cockerel of last
vear's hatch and some fine Wvandote and Plymouth Rock hens.
2. Are as good results obtained from setting pullets' egrs as from older hens?
I mean, are the chicks as good and Ans.-1. The lireeds will cross, bu
what is there to gain in makins such cross. The resulting pullet.s are n.
likely. to be any better, of as kood ayyer.
and the cockerels are of less value
a and the cockerels are of less value 1
pither breeding or market than if a cor
lird of the same breed as the pullets
 Scrpt harnyard tlock of poultry.
ikge trom two-vear-wld hens would
ikely be more advisable ( $)^{\text {likely be more advisable. }}$ PEANUTS.


## Shorthorn Bulls and Clydesdale Mares

 still, come and see them. We have 13 young bulls, from 8 to 14 months old, of good W. G. PETTIT \& SONS, Freeman, Ontario Bell 'phone. $\quad$ Burlington Jct. Sta., G. T. R., $1 / 2$ mile trom tarm
## SHOR'THORNS

Have now a choice lot of young bulls to offer; also with
something nice in heifers. Catalogue of herd and list of young animals on application.
H. CARGILL \& SON, Proprietors, Cargill, Ont., Bruce Co


10 SHORTHORN BULLS 10




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Scotch Shorthorn Females for Sale lam of iningat very reat
 and

## Six Shorthorn Bulls

 Different colors, and their Different colors, and theirbreeding is good enough for
any herd. Write me for prices ny herd. Write M. SMITH, COLUMBUS, ONTARIO Shorthorns of Show Calibre At present one nice red bull 12 months old
(of the Bellona family) for sale at low price. Geo.Gier \& Son, Grand Valley,Ont. WOODHOLME SHORTHORNS,
 G. M. FORSYTH, Nerth Claremont P.O. \& sta MAPLE LODGE STOCK FARM 1854-1912
Have desirable Shorthorns and Leicester sheep.
Cows are high-loss mikikers. A handsome young A. W. SMITH, Maple Lodge, Ontario OAKLAND SHORTHORNS I

JOHN HLDER \& SON, HENSALL,'ONTARIO SPRINO VALLEY SHORTHORNS Hord headed by the two imported bulle, NoNow
 Telophone connoctit
EYLE BROS. Ayr, Ontarle IMPORTED BULL FOR SALE




Did You Ever See "Threshing Spots" on a Barn ? WHILE driving along the road did you ever notice that some barns have large light-colored patches on the roofs? Those patches are "threshing spots." They are made" up of the dust and chaff from every threshing that has been done in that barn. The threshing machine blower raises the dust to the roof. and all the brooms on the farm will not clean it all off again-if it is a wooden roof. The dust lings to the errain of the shingles and is there for keeps. These threshing spots might easily be called danner spots, for they have a triple danger-danger to the man who risks life and limb in vain certiinty that the dirt and dust will rot the shingles.
How to guard apginst threshing spots is really quite farmer to-day when contemphating bam building






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it will do and little it costs.
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## Who Pays the Duty?

You ca
that dir DUTY has to be paid by the consumer; therefore, why pay fancy
prices for calf meals of foreign prices for calf meals of foreign manufacture when you can buy
CALFINE 15 to 20 dollars a ton CALFINE 15 to 20 dollars a ton
cheaper and secure at least equal, cheaper and secure at least equal,
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"The Stockman's Friend"
is a pure, wholes rme, nutritious meal for calves. It is now in use
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We will do the rest.
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bred to Eminent Royal Fern.
D. Duncan, Don, Ont., Duncan Stn., C.N.R
$\frac{\text { 'Phone Long-distance Agincourt. }}{\text { Jerseys for Sale } \begin{array}{l}\text { Jerse } \\ \text { Fer coure-bred red and good onesed }\end{array}}$ just freshening, from two to sii years old a t dairy
price.
AUGES, sarnia, Unt.

QUESTIONS AND ANSWERS Miscellaneous.

HORSESHOES-ENGINEER'S Wh PAPERS.
horseshoes ? you think of -
2. Who would I write to regarding the 2. Who would I write to regarding the
getting of traction engineer's papers for
oprerating an engine iñ the Saskatchewan district?
Ans.-1. We have had no experience Ans.-1. We have had no experience
with the shoes referred to. 2. Apply to the Provincial Department
of Agriculture, Regina, Sask., for full
particulars particulars.
SHARING STRAW.
takes land from B on shares. I A entitled to the same share of straw, in
there is nothing said about it but where there is nothing said about it but where
A was to stack straw ?
, Can A take his share of straw home or sell it
Ontario.
2. Yes; that is, he ought to have
either his share of it, or be allowed fo either his share of it, or be allowed
same, if B should prefer its not being re
moved from the farm FERTILIZING POTATOES. 1. I have read the article in your April
18 inh issue entitled, "Estimating the
Value of Fertilizers." ${ }^{\text {Fertilizers are }}$ Value of Fertilizers." Fertilizers are
used very little in our vicinity. In fact I don't know of anyone using them
around here. We have been growing po
tatyo tatoes quite extensively, but have been
relying on clover sod and barnyard ma-
nure as fertilizers. This year I will nure as fertilizers. This year I will be
rather short of the latter, as it takes large quantity for corn and potatoes
both. $\frac{1}{\text { have been thinking of trying a }}$
commercial commercial fertilizer on a three-arce field
of loamy soil, from which I cut a heavy crop of red clover last year, and also a
second cutting for seed. I want to put
potatoes potatoes in the field this year.
Would you please advise me re the
proper proportions of each fertilizer to use per acre, and where they can be got,
as there are no agents around here that
I know or. Should the fertilizer be applied when the potatoes are planted, or
before? We use a planter, which has a
fertilizer attachment, and could put it on with it.
2. Could you let me know where sweet
clover seed could be got? W. G. A. Ans.-1. As your soil is a clover sod,
it is not tikely very much nitrogen will
be needed for be needed for a potato crop. Try about
100 pounds of nitrate of soda, or per-
havs less. from 300 to 400 pounds of acid phosphate, and 150 to 200 pounds
of sulphate of potash. Write advertisers in this journal for prices.
2. Correspond with sedsmen advertis-
ing in "'The Farmer's Advocate." SILO VENTILATION - SOWING
ROOTS - EXPULSION OF ROOTS -UTERUSSION OF 52 ith open sides. Which this is an advisable,
what size hole should te left for 2. When should mangels, turnips and
sugar-beets be sown, and in what order;
ulso amount of seed w to give heaviest yield in a good aned all right, and went full tine, far-
lut
in about 24 hours she expelled the wormb, and atthough replaced, she died shortly
atterwards. Please give the cause if not Ans.-1. We made no provision for
ventilation in our silo, and do nut conMangels and sugar-beets showld be
just as soon as the land ir ready
jus.

## Ideal Green Feed Silos

 the hoops at the bottom where the strain is greatest are made heavier. Only malleable iron lugs, made after our own exclusive pro cess, are used. These are much superior to
cast iron hoops by reason of their greater abilcast iron hoops by reason of their greater ability to resist the action of our Caoadian frosts.
The materials and construction throughout of the Ideal Green Feed Silos are of the very
best best, and everyone contemplating the erection
of a silo this year will find it to his advantage to get our specifications and prices be fore contracting for the erection of a silo.
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De Laval Dairy Supply Co., Limited
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## Brampton Nerseys ${ }^{2}$

 High Grove Stock Farm |Balaphorene ci. J. Jerseys tion toudx
 Arthur H. Turts, P. O. Box to, Tweed. Ont.
When writing, mention "The Advocate."

| So. Burnside Ayrshires |
| :---: |
|  |  | - If R. R. NESS, Howick, Quebec Lons-distance 'phone in house


Maple Soil Stock Farm|Holstein Bulls for sate- Spiringank


QUESTIONS AND ANSWERS Miscellaneous

Killing poplars-TRimining 1. Have several poplar trees alongy
lane fence; wish to kill them. What is ane fence; wish to kill them. What is
the best time to girde them, now, or
ther they are out in leat? $\underset{\text { aple ente trees }}{\text { 2. What }}$
Ans. -1 . Girdle immediately.
2. Either in the winter when ENLARGEMENT FROM WIRE 1 have a mare that got a bat wire cut
po her hind leg. miduway betwen hot
ond tetlock which cut it right to the and fetlock, which cut it right to the
one last June; got it healed up, and there was a ilitle enlargement left.
Yould any of the remedieg advertised in
your paper remove the enlargemot rour paper remove the enlargement, or
what would be best to do ? troo very bad injuries cannot be entirely
removed. Some of the nborbents vertised in this journal might reduce the
annomality. It they did not prove el-
anctive ity
(1)
$\qquad$
 daily or two days, and on the third day
wash of and apply sueet oil oin overy
day until healed. day until healed
cary to blister.

THUMPS IN PIGS
I had a liter of spring pigs which did
well and were fat and healthy until about a month old, when they began to die of
one by one. First symptom noticed was
oufing lived about a week; others only a day
or two. Can anything be done to save
Ans.-This is likely thumps, a dietetic
disease, due to high feeding and want disease, due to high feeding and want of
exercise. Fat acumulates about the
Fent and lungs, interfering with the actean of these organs. The tattest and
healthiest-looking pig in the litter it it
usually first to go. A well - developed
 give the pigs tree run in a grass plo
Grass and sunshine, accompanied by ex
 linseed or castor orl, according to size,
is also recommended. Feed the sow on UNTHRIFTY MARE- LEGAI 1. Our in-foal mare is well, she geto thin and her heor get get
itchy; she bites at them until they bleed. Her time is very nearly up and she has
no sign of an wader. What woul bo
good tor her to tonke her have milk?
co 2. What would be best to get her in
good condition
she gets good hay and 3. It mare has no milk, would like to
know ho to teed colt by hand.
n. 4. Is barbed wire a legal fence for a
railroad company to erect, and what is

 percentage of good wheat bran to her
krain ration. Giet her on grass as soon
as possible.





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Bull calves sired by Dutchand Colar Sir Mona,
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 One from a son of Evergreen March, and all Gow W. CLEMONS, St. George, Ont.
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averagig
2y.19 pounds. W. H. Simmons, New Durlham P.O., Oxford Co.



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Write, or come and gee my young bulls and ROBT. McEWEN, Byron, Ont. Oxford Down Sheep, shorthorn cit
 $\xlongequal{\text { Buena Vinta Farm. Harriston, Orit }}$
The doctrine of purgatory was once dis-
puted between the Bishop of Waterford and Father OLieary. It is not likely
that the forier was convinced by the
arguments of the latter. who however closed it very neatly by whlling the bis
hop: Your lurdship may go tarther and
hes

 II reselulthed one, all right," the connt

SUFFERED TERRIBLE PAINS OF INDIGESTION.
MILBERR'S LAAA-LIVER PLLLS Mras. Wm. H. Macw. Men, Mount year I suffered with all the terrible pains year 1 sumfered with ay the terrible paing sreatest misesy, It did not seem to make any difference whether 1 ate or not, the
pains were always there, accompanied by seyere bloating and belching of wind. did not even get relief at night, and my misery I tried many remedies said to cure indigestion, but they did me not one particle of good, and I fully expected
would always be afficted in this way At this time my brother came home on a visit and urged me to try Milburn's Caxa-Liver Pills, and got me a few vials. By the time I had taken one vial began
to improve, and could eat with some relish. I was greaty cheered
dinued taking the pills until ail trat
the trouble had disappeared, and
once more eat all kinds of food
the slightest inconvenience. I am
convinced of their virtue as a
nedicine, I have no hesitation in
ending them.
Price. 25 cent
1.00 at all dealers or malled direc receipt of price by The T. Milbura Co,

## QUESTIONS AND ANSWERS

 Miscellaneous.DOG KILLED. a neighber for shooting my dog on his
premises, without giving me any warn-
inf. ing? The dog never left the place til
the week he was shot. He was analit able watch-dog. $\quad$ stibscriber.
Ontario. Ans.-You could bring an action agains
him, and, in the erent of this able to legally justify, of he beilling un
would probably he "oould probably he adjudged liable to you
for the amount of the damares and cost MARE ABORTS. I have a young mare coming six years
old. I bred her last season, and she lost it. One day I drove her about two
miles, and the frost was coming out and
she broke through into the we sawed wood in the yard in front of
her stable window, with gine. She did not seem to mind it at
he time, but on Sunday morning
hend the colt herider her her in a box stall, with plenty of exer-
cise, but I blame it to the engine's and
saw's noise exciting her. What is your opinion about breeding again this sum-
mer, say about three months after she
dropped it? Would she be apt to abort dropped it? Would she be apt to abort
W. P.
again?
Ans.-The mare may have received a strain when she broke through the frost.
The engine running in the yard should hot have caused her to abort, particular ly if she showed no signs of heing ex-
cited. Mares, however, are often ex-
tremely
sensitive. whether or not she will carry another
foctus the full time. Would breed her again and take the risk. Take good car
of her and she may not abort again. DRAFT, TENSION AND POWER
QUERIES. 1. Why is it, if true, that a tean
loses power the farther it is removed draw harder than a short one, or should
the weight be placed forward as much as 2. Why are we advised to place a beelt side? What is considered the best way to
3. convey power trom an engine into a barn,
when the enfine is to tar anay for an
ordinary belt?
thould like to have
 least 30 feet from the barn door, to on
side of approach.
4. Would it be practicable to run small shaft under practicable to run
and have the pullies in the top of foy (. L. I. Ans.-1. This all depends. on the line
A draft, according to King. If the line
it drat is perfecty paralle with the
ood, distance does not make any ap-
$\qquad$
$\qquad$
$\qquad$
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## IMPORTED SHEEP

Those wishing an imported ram, a few choice imported ewes or a few show sheep M JLESCROFT, BEVERLEY, E. YORKS, ENGLAND
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Nodburn Berkshires shires of both sexes and any sizes required. $_{- \text {We ark }}^{\text {We }}$
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Present offering: 15 boars, thom 2 mos, to 1 year
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hen writins please mention The Advocate Mac Campbell \&. Sons, Northwood, Ont.
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| :--- |




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