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No. 985

## Do your baking with

flour made exclusively of the HIGH-GRADE constituents
of the HARD-WHEAT berry

Have you ever baked with flour made exclusively of the high-grade constituents of the hard-wheat berry? If you haven't, now is the time to try PURITY Flour.
Only the cream of the Manitoba hard wheat-the best wheat in the world-is used for PURITY Flour. More than that, only a portion of the flour milled from this wheat goes into the sacks and barrels branded PURITY.
PURITY Flour consists exclusively of the high-grade constituents or portions of the Manitoba hardwheat berry.
Every wheat berry has both lowgrade and high-grade constituents, which are separated during our process of milling. So exact is our process that it entirely eliminates all the low-grade portions from the flour, which is finally branded PURITY. The greater strength of PURITY Flour makes it go farther in the baking. With it you can make
" Mope bread \&
more loaves to the sack or barrel than you have ever succeeded in doing before. The loaves will be more nutritious, too, because they contain the high-quality gluten, starch, phosphates and other mus-cle-building and blood-enriching elements of the hard-wheat berry Naturally flour that consists exclusively of the high-grade constituents of the best hard wheat has greater strength and nutriment, superior color, more delicate flavor.
If you'll just try to realize fully what it means to your cooking reputation you'll soon be using PURITY Flour.
Of course, PURITY Flour will cost

you a few cents more than lowergrade hard-wheat flour or softwheat flour.
But PURITY is very economical, because it makes "More bread and better bread." The cost per loaf is no more than when using weaker flour, and the food value is much greater.
Tell your grocer you are in a hurry to try PURITY Flour. He will supply you promptly.
When you see the batch of beautiful snow-white loaves, with their soft, evenlytextured crumb and dainty golden-brown crust, you'll be proud of your success
with PURITY Flour. When you taste and enjoy the superb flavor of such hish class bread you'll be prouder still

If you don't want to buy a large sack or barrel, you can get a small bag. PURITY is packed in 7, 14, 24, 49 and 98 pound sacks. Also in barrels and

Make certain the PURITY trade-make is on the sack or barrel you buy, for that is your guide to the strong, reliable, highquality four that makes
betterbipead." PURITS FLOUR


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The Barrie 3 H.-P. Engine Comes to you mounted on is designed especially for farm- skid, with battery box and all ers' requirements. Will do connnections made, ready for its work quickly and econom- use immediately. Write for ically. Practically runs itself. No expart attention required. You can thoroughly rely on it. descriptive booklet, also agency proposition.
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ontario

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## LIGHTNING


 Arkona Basket Factury for Berry Boxes
4


Double Seamed Well Cannot Leak!


FOUNDED 1-66

The wheel is built on a hub revolved on a long
stationary steel spindle. As a result there is
 The engine is so constructed that the gears
cannot wear out of mest
Has ball-bearing turntabe ing device.
hill whing parts are covered with a cast
shiel, thus spotecting same trom ice and sleet.
We make a fulling ose


THE HELLER-ALLER Co.


 crete Machunfacturers of Con-
 INVENTIONS Mat ratuat


Vol. XI,VI.

EDITORIAL。
$\qquad$
If the milk supply is rapidly falling off, try
some soilage feeding, or, if you have it, silage.
A hot August, and a still hotter general elec the corn crop. $\qquad$
One of the greatest labor-saving devices with which any farmer can present his wife or daughter
is a constant supply of good soft and hard water in the kitchen. $\qquad$
Far better tha $\qquad$
prowed and right. $\qquad$
Young men with pride enough in their work to
prepare some prizewinning exhibits of live stock
or farm products for the autumn exhibitions are not the type who hanker to leave the farm to
$\qquad$
$\qquad$ solved as the Middlesex farmer who was showing
the rural minister through his fields, an unfrequented spot near the head of the lane,
$\qquad$
". Can't afford it,"' is the answer made by some labor asked why they are not using the up-to-date
lates and machinery on their farms Machinery will do the work cheayer than labor,
and the real trath of the matter is that they can
$\qquad$
$\qquad$
0 $\qquad$ bulldings now up or in process of construc-
tion is always a good indication of what would
be done
$\qquad$ sess a greater variety of hnowledge than is re-
quired in most any other industry. This is not generally understood, yet it is true, and to get tion, training and practical experience. School and agricultural college training, backed up by
practical work on the farm, should be the aim of the young man $\qquad$ Were the truth known, it is probable that the worst leaks of dairy farming occur in the feeding week's instalment of "The Farmer's Advocate, inquiry into the production of milk for the supply
of cities and towns. The article records the actual methods of twenty-one dairy farmers. W would be glad to supplement these experiences b cconomy and results.

LONDON, ÖNTARIO, AUGUST 10, 1911 Reorganising the Department of Agriculture.
$\qquad$ ce system
C'anada, ment. The distribution of oflices and contracts
$\qquad$ wise would be directed to more efficient adminis-
tration. It becomes in statesmanship in national affairs, and undoubtedly Civil Service Commission, under Prof. Adam Shortt, in connection with the Department of the
Secretary of State, has become a real factor in taking nut of politics at Ottawa appointments in
what is known as the "Inside Service," and as
$\qquad$ appointments and promotions by enforcing im-
$\qquad$ presiding over important departments, they will no doubt continue to exercise their prerogative i ficers who share to a greater or less extent reIn order to continuity and unity in the government on all larger issues, the different ministers of their rabinet associates. Obviously, then, there government among the different departments, so find themonises more or less swamped at times. A well-known case in foint is that of the Deuf, ". during the past twenty-fise or thirty years, carth of ninety days ago is now covered with the
until now thousand corn fields, piling up nutripatchwork. It embraces some nine difirent Health. Health of Animals and Iive Stock. Facluding three divisions), Seeds and Exhibitions.
To keep minutely in mind even the more impor. he power of any minister, and the time is evi heing census year, the situation of affairs is of the Deputy Minister of Agriculture is occupied volving out-of-town trips. As the reader will see branches enumerated has ahsolutely nothing to do Health, Archives, Trade Marks and Copyrights State, a comparatively small Department. An vantage would he to transfer Census and Statisand bring Grain Inspection under the Department ly to belong. Ahere it would seem more naturalconsist of Fxperimental Farms, Live then Veterinary, Nairy and Cold Storage, Grain and Seed Irspection, Fruit, and possibly Poultry:
With a cormmon sense rearrangement of the De-
vartmerit like this,

## Beauteous New Brunswick

 dirty as to meed inthem (un men the will eradicate noed latlowing. Corn-neld tillage early enough off for wheat. Fallowing is bea field ahas been cultivated throurhout the sum mer and has received air dressing with harn vard manure, winter wheat makes a cood crop for it begins growing in the fall, and thus cominences to draw upon the plant food, a part of which, and particularly the nitrates, would be lost is this loss of plant food that is a strong point against fallowing, and, as far as preventing this loss goes, wheat is a good crop for the fallow. This is pay to grow wheat on valuable land by some, and negatively by others. One thing is sure, and that is, any land that will grow wheat of grain ever figure out just what it the growers per bushel to gigure out just what it costs them mates from over 5,000 reports obtained to estiAmerican Bureau of Statistics tha ducing a bushel of wheat in 1909, taking the verage of each State separately, ranced from 44 cents in Montana, to 96 cents in South Carolina The cost denends largely on the value of the land, cost in South Carolina was acre, and, while the high enough to make a profit of 30 cents was per bushel. The profit in Montana was 33 cents ported was 17.2 bushels, which means a profit of a little over five dollars per acre. This is not asbig a profit as could be made from some spenint lines of farming, and many hold that land is more valuahle to grow feed for live stock than it
is to grow grain to be sold off the farm. Selling feeding all of it to the live stock maintains
$\qquad$ One thing against the wheat is that it makes a
break in the rotation. Short essary for clean farming and highest returns, and sod, and must be sown either on sod, stubble or fallow land. For the best yield the fallow stands first, but few farmers summer-fallow now, so that The wheat must go on either sod or stubble land. corn and hoed crops on the sod, and follow the with a cereal, after which it is seeded down Stubble land is often not suited to the production crop it is advisable to give the land a dressing with manure. As fall wheat is a satisfactory in its benefit, for it insures a manuring is twofold and at the same time improves the crop of wheat, clover being a good catch. Barley stubble seems to be better suited to wheat production theems stubble. This is to some extent due to the fact that the barley, being harvested earlier, permits For those who decide to sow some wheat, it is necassary that they take some means to insure a poon crop, If the soil is a clover sod, early
plowing after the hay is off, and a thorough working with the disk, cultivator and harrow to get the sod well rotted and the land in good tilth is
essential. Very little mamure is needed on new clover fields that are in goon! heart, but if the
land is at all poor, a lipht dressing of manure stubble land, manure is always essential, if large
yields are expected. Wheat shouth placed on land that is not in sood tilth, and the
fature or success of the crop fenends laremy
$\qquad$
$\qquad$ Alpends .nn the locality, the exact time of sowing
 are etill thase who clainn that. to cloan land and raise the standard of fertility of the soil, it is
and Home Magazine.
the leading agriculural journal
$\qquad$
the william weld company

## Asents


 ate and
$\qquad$
 address-THE Farmer'S advocate,

Growing Winter Wheat The greater portion of the harvest has been re moved in most districts, and with many the most
pressing work following this is the preparation of the land for winter wheat. Winter wheat is a somewhat risky crop, but where the land is put
in proper condition, very few failures result. There is a question in the minds of many as to whether or not fall-wheat growing pays on valu-
able land as well as some other crops. Many others are strongly in favor of the crop, and give several very plausible reasons for growing it. the
tendency during the last few years has been to tendency during the the acreage devoted to the growing of Winter wheat in Ontario, but the last two or ing has experienced a gradual decrease in acreage during the last ten years, the falling-off amoun there were, however, about 80,000 acres mcre Canada shows an incroase the last two vears. Whether or not this increase will lie maintained, Fall wheat, like most other crops, has its advantages. Among these is the fact that, irrovided
the crop winters well, it lessens the nerane of the crop winters well, it lessens the acreace of
spring seeding. and the spring is a very busy season. when lator is scarce and time precions, so
that if a few acrus, are sown to wheat, nuch time is guined. This is perhaps one of the strongest Then, again, there is the argument that the
more difiterent kinds of cropls a man whis, thio more diferent kinds of crops a man wruws, the
better are his chances, becrause the is better are his chances, because the is thust err-
tain to gut goonl returns from some of the crons.


## ditar "The Farmer's Advocate": Unfortunately, in Ontario, as well as

 other Provinces of Canada, the tide of travel takes us westward, and few of us realize how tions of the Maritime Provinces in to the attrac New Irunswick in particular. While general, an the werk of the Women's Institutes in that ince, I had an excellent opportunity such as foll to the lot of few, to become acquainted with the Province, and particularly with the agricultural Therers a fascination he rivers are so large, the hills are so high and the distances are so great. The gradual slope of the farms on either bank of the rivers, the dense woods, the wonderful inland waterways and the excellent harbors, make New Brunswick one of the The impressions that in our 1 received on my first trip in the Province, from Adam Junction up toPerth, have remained very clear, and it is to this part of the Province that my thoughts turn first For miles. we ran along the shores of the St. John river, and I never saw this river afterwards Without feeling that I was getting back home. As ada that can compare with this "Rhine of America." The farms slope gradually away from the river, their upper edges covered with spruce
woods. All summer long the river is doted immense rafts of spruce logs being towed down by

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It is not only in this river that the rafts of
```

stream in the Province larve enough tor and
log. Millions of feet are taken out of New Brun-
will tell you that, your, and to the lumberman
the spruce tree, the forests are just as valuable
to-day as they ever were, and, after seeing the
woods at close range, you can easily beliey
They are a solid mass of vegetation, through
which it would be almost impossible to force a
branches of the spruce trees, and the thick the
growth grows to the very edge of the roads.
a cleared piece of land is left unpastured or un-
small spruce trees, and in will be covered with
small spruce trees, and in ten years
thickly
wooded as it originally was.
The New Brunswick woods must be a delight to
sight of deer, and once saw two we caught
clumsy, overgrown colts, trotting through a like
We heard tales of which lay along the track
which inhalit of bears and of the giant cats
making the keeping of sheep an impossibility and
One of the first impressions
Brunswick is, "What a great province in for acri-
culture
culture !'. This impression is particulary strong
when going through Carlton Countr, in the dis
tricts surrounding Sussex, and County, in the dis-
land in the districts back from the Surther in-
River or along the Petitcodit.
River or along the Petitcoliac. Thfortunately,
the majority of the farming class in Jew
wick have never proved this impression to hens-
true, probably because they have never been en-
tirely dependent on their farms as a means of sup-
port. In the winter, numbers
in the lumber woods, and very of the men work
driving in the early, summer, and the farm is a
secondary consideration. They can make a fair
living without farming very ardently, and so the
farms are neglected for lumbering in the winter,
farms are often cropped steadily without any re-
gard for the soil or for the ad vantaces of rota-
tion of crops, until much of the land is useless
and
and will require years to build it up to its old-
time fortility. There are many cases, however,
where the land has been intellipently worked and
he results prove that, given a fair chance, the
reater part of the soil
creater part of the soil of New Brunswick will
vield ust as profitable crops as anywhere in the
Dominion
are apoles may has proved that, with proper
care, apples may he erown to preat, with prontage in
the province, and they have established several
lemonstration orchards which ard le profitably prown.
The farm homes in only be grown, but can
the Farmer's Advocate

$\qquad$
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buildings, and even within a mile or two of
darge towns you find these country churches
could never decide whether the could never decide whether the poople of New
Brunswick were particularly religions or whet they needed the churches more than some of us church-building efforts to the towns. There our however, be another side to this question. Perhaps the New Brunswicker realizes that it takes or five, or six or seven miles to church over such roads as they have in most of the country dis-
tricts. Those roads-the farmers and clay from the sides of the roads and bank it because the result is, to say the least, not all that can be desired.
New Brunswick, like all the Eastern Provinces, has given up many of its best citizens to help cases these young farmers have left and in many and their comfortable homes to face the hard ships of the West, not realizing that the Province of New Brunswick will in the near future prove an ward movement, farms may be secured this West cheaply. In some cases the money paid for the entire farm would not put up the buildings which
are on the place. This state of things makes are on the place. This state of things makes
New Brunswick a particularly the home-seeker from over the seas. Here, well watered, well-wooded farming land may be ob-
tained very reasonably, when fancy prices would tained very reasonably, when fancy prices would
have to be paid for some treeless, waterless home on the plains, where the settler would have to
build his own shack and drouth. Nowhere have run chances of frost and souled hospitality as from the people of New the best in the house is placed at the service and the stranger. Anyone visiting in New Rrunswick
may be assured of a hearty welcome from the

Of the beanties of the cities, such as Frederic
ton, St. John, Moncton and Chatham I speak, though a great deal could be said about
them. They are thriving, up-to-date cities and towns, with beautiful buildings, well-paved streets modation. Most of my trip was through the rural districts of the Province, and it is about these districts that 1 am most enthusiastic. New
Brunswick is rapidly becoming famous as a summer resort. The railway systems in the Province are splendid, and make travelling a pleasure, While the great inland waterways make the boat
trips particularly attractive. Nowhere along the the makine of With the hunting and fishing, the delightful climate, and the scenery, no place in Canada should tempt the
holiday-seeker as does New Brunswick. In conclusion let me say that, while it has inces of our Dominion, none have appealed to me as did New Rrunswick, and I have never been so since I visited New Brunswick.

## British Prosperity

sideration, that the material prosperity and com have never people of Great Britain and Ireland months. Employment has never been better since Local Government Board showe returns of the has sunk much below the show that pauperism ports for the six months have easily beaten all
previous records.
Home railway traffics have The expanding in a most satisfactory manner maximum. Everything prospers yards is at a in good spirits except the professional pessimists.'

- [The Nation.


## HORSES.

Crushed oats are easier digested, and, the
fore, more profitable, than whole oats.
The 'rriver's ain should be to manipulate the IScottish Farmer $\qquad$ steady hand A roll after a hard day's work is greatly ap-
preciated by the horse. It takes the place of
extra feed.

Summer green feed acts as a natural stimulus cially the bowels.
horse's digestive tract, espe-

The value of salting the work horse regularly is often underestimated by horsemen. It is good
practice to keep the material before them at all
times.

Remember that sudden changes of food may
cause colic. This is the season when a change of
diet is forced upon the horse in many cases diet is forced upon the horse in many cases. New
hay, new oats, green corn, etc., are often used. make the change gradually, and no harm will re-

One of the best advertisements for the horse breeder is a good bunch of foals and yearlings.
Almost invariably a breeder's stock is the quality of the younger stock. If the by are right, the chances are that their sires and dams are good individuals.

A horse that is extremely tired should not be Some feeders act on the supposition that amount of feed is what is needed to replace the lost energy. It must be remembered, however well as one that is fresh, and therefore should fed accordingly
the horse has held has been threatened in turn
and now the aeroplane; but all combined have no, prevented, and will not in future kepp horses from increasing in numbers and value. As a source of power on the farm and a substitute for human
labor, which becomes scarcer each year in combination with the greatly-improved farm machines, hold an economic place on the farm which is secure and firmnly established-more so,
in fact, than ever before. in fact, than ever before

## The Horse Tpade

More Clydesdales for Canada,"' or some such topic, forms the heading oi an article in nearly
every issue of the Old Country farm papers which have come to hand the past few weeks. From the descriptions given of the different horses being brought out, we gather that they are a very among the most successful prize and numbered winners of their home land. What does this mean to Canadian horse-breeding ? There can be but numerous in this country, and, with the increase in numbers, we can reasonably hope for an improvement in quality. More horses are likely to
be imported this year than in be imported this year than in any one previous
year, and the quality of these horses is said to be very high. A large percentage of the animals imported are stallions, so that each year the excuse for using scrub sires becomes less and less.
Horse-breeders need have little the market. The right kind of horse will find ready sale on Canadian markets for years to come. The country is growing, and more drafters
are required each year. Produce the size are required each year. Produce the size and
the quality, and good prices and quick sales are assured. It speaks well for horso-breeding as a business that our breeders continue to increase their importations of the best that can be had in the old Land, and it is a great advantage to horse-breeders generaly to be privileged to use
and benefit by horses of these importations. Our greatest sires come across the water, and the men who have spent their money to bring these owners of the country. As well as being a help to them, it will place the small owner in a betcause, in the first place, better stock will result, and if it becomes known that a certain district is producing nothing but the very best class of district, and will be willing to pay higher prices because they are assured that the stock is of the West. With heavy-draft geldings selling as high as price the right kind of drafter is scarcely likely to become too numerous for a long time to come. fark must be done, and there is nothing, thus as the horse. Importers and breeders should cungratulate themselves on being able to secure for Canada such valuable stock as they are bringing and support of the farmers and heoperation and support
country.

The Origin of Clydesdales and Shires.
I wish you would tell me how the Shire horse oricinated, also the Clydesdale, as we have quite a discussion on those subjects at our Clubs. Is Charlottetown, P. E. I. P. B. B. The foregoing question is one that has occutwo breeds of horses, and one that has often been discussed in "The Farmer's Advocate are draft breed of Scotland, and owes its high degree of excellence largely to the judicious matings made live stock, the origin of this breed is somewhat veiled in obscurity, but it is known that early in the eighteenth century, John Paterson, a tenant land, near the River Clyde, imported from England a black Flemish stallion, which was bred to mares of the district, producing a superior type of drat horses. do this black the celebrated sire, Glancer (335), most of the best Clydesdales of the present day. Professor Wallace, a leading scotch authority, admits the use of English blood
on the Clydesdales up to comparatively times. Tintock, a Shire stallion, was used in Scotland on Clydesdale mares about 1860, producing excellent breeding females. The grandams as English mares. The Scotch breeders went on breeding, laying particular stress on quality, especially of feet and legs, and a type has been de-
veloped which is now a distinct breed, the modern The origin of the Shire is also somewhat specu-
lative. Horses of this type existed in England lative. Horses of this type existed in England

THE FARMERS ADVOCATE
dred stallions were brought to England irom Flanders, Holland and Germany in the twelvth
century. Bakewell went to Holland and imported mares, which he mated with the stallions of England with a view to improving the typ
east and central part of England has special region of Shire horse breeding, a an approved type. The bld-fashioned type to fix an approvewhat coarse, and slow, with excess feathering. The modern Shire horse is the result of careful breeding, and is a great improvement size, hairy legs and draft type have been main tained. Quality, action, flat bone, good feet an uniformity have been made strong points of the
As to the difference in the origin of these two breeds, there seems to be very little to say. The
two breeds have been built up from practically the same origin, by following a from practically
intended to breeding intended to develop a type, which has been fixed
in both cases, and two excellent heavy-draft breeds, with characteristics much alike, yet quite different and distinct, have resulted. Robert wallace said: "The most rational view to tak
of the position of matters, after setting aside all narrow prejudices of nation or of breed, is to re gard the heavy-draft horses of England and of
Scotland to be different types of the same breed, Many horsemen still hold that there is no differ ence in these breeds, and that if high-class speci ments of each breed were stood side by side, dif to which each belonged It is naming the breed of the best quality Shires resemble Clydesdales and more feathering, and stronger bone, and can generally be distinguished from the Clydesdale
The English breeders emphasized weight and scale while the Scotch made quality a strong point The best representatives of each breed at the pres sites, and we have little need to concorn ourselves greatly about the origin of either breed as lone as w

LIVE STOCK.
more swine could be growth of the dairy busines
Skim milk and whe:, in combination with grain ration, makes a solid tlesh that is desirable Grain, in conjunction with grood pasturage, is a very good method of fattening sheep and lambs
for the fall mariet. The maternal impulse in the dairy cow is so
strong that the cow, if food fails, will draw upon strong that the cow, if iood fails, will draw upon
her body for the material to keep up the milh
flow, and thus feed her offiring flow, and thus feed her offspring. No cow should
be fed so scantily that this becomes necessary.

Stecrs and heifers int nded for winter fattening
should not he allowed! to fail in flesh now that the pastures are short. Some precaution should be taken to keep then kaining in flesh. Should
aftermath on clover fiellus is mood. Alfalfa fecl as a soiling crop, or wrn, will do much to keel
them in condition. If allowed to lose flesh now
it will take a lot of feed and consideralle time to get the animals makine satisfactory gains when
placed in the stall on dis feed. Cali-rearing is an importunt factor in the live
stock industry, (ionol stockers and feedfers are
scarce, and this is no donlt a large number of calses that womld make very
good animals for this purposie are vealent or other-
wise dismosed milk is available, calces can he raisod very skell be used but this is wery seldom practicerl, unless at ali possible. and where the calves are of a
breed that will go on and develop) into tho rieht kind of feeders, they could quite profitahls be kept
for this purpose. Wholesale destruct ion of calves
is very had practice

Tuberculosis Commission Report.
$\qquad$
 Britain to investigate the subject. ditw tw...
years' work and the issue of three intor....... ports, the final deliverance has been pullilim! i..
substance, the report is that, though dilfon, are found between the bovine and human thin
bacilli, there can be no doubt that reciprocal fection exists between the two, and the mil

## cause of human infection by bovine tuberculosis, A strong recommendation is, made that food reguu lations, especially in relation to meat and milk, lations, especially in relation to meat and milk

## Flushing Ewes

will he fime for weaning the lambs has or soon mediately concerned with getting the ewes in the It possible condition for the breeding season. will make the flocks more protitable than if ewe is a high percentage of single lambs. The time to influence the numbers which will constitut next year's lamb crop is this fall, previous to and
during the mating season. The size of the lamp during the mating season. The size of the lamh the pronit from the flock. When every exe pro duces one good strong lamb, the business yields a profit, but when, in addition to this, a large per-
centage of the ewes bring two, instead of one, the profits grow into very attractive proportions, Those shepherds who get the largest lamb crops year after year are those who practice a system,
at this period of the year, known as " flushing, at this period of the year, known as "flushing." placed on short, dry pasture for a period of three or four weeks. This causes the secretion of milk to cease, without trouble or harm to the ewe.
Of course, the length of time that the ewes are kept on this kind of feed is regulated somewhat by the time that the breeding season is to com-
mence. A stubble field or old pasture makes very good run for the sheep during this period of placing the ewe's system in a condition of low senero, which is घreaty stimulated when more
ages and sizes. It has been found that ewie suckling twins do not lose any more flesh that hose suckling single lambs, and that twins make in many cases, as rapid gains as single lamts,
therefore, the more twins the flock produces, larger the profits. Sheep-breeders can do nothing better than give this method a trial, and , properly managed, the results will amply justify

THE FARM
A Motop-Car Man's View.
as a motor-car owner, I have read. with much interest your article in the current issue of "The and the elimination or alieviation of the dust nuisance. With certain of your arguments I am iret? cuss the dust evil without bitterness, but o di should say, without bias. I believe that underly vehicle much of the opposition to the motor-driven the farming community that motors are not ood or the farmer from a financial standpoint, inasmuch as they tend to do away with the use of the English , prentice hoys of the opposition of labor-saving machinery; of the opposition of the of the farmers of ang jenny, and the opposition locomotive, which they snid would burn the crons
 Fverything new has its troubles, and the auto stay, and all come that can he
ione is to fin Of mating, it is necessary that the ewes be placed the cammot agree with your argment regarding

newest on the boards.
But I do not wish to be understood as saying grievance to be remedieat In riding through the country, I have noticed irefuently the fields and
crops covered with dust As a lover of all ani-
mals, 1 have been sorry
to see horses to see horses trying to
pick the grass which was
coiered with sand whitened with sand in the
woilds, and I
would would not begrudge pay-
ing something toward a
schome which scheme which would tend
to lessen the clouds of
tlust which rise in dry
weather aiter passing of vehicles, wamons or antomobiles,
whuycies. for
hum farmers themselves,
$\qquad$


$\qquad$ doing well, Where the flock does not seem to le man manicipalities would be moner in pochet. the
 thake are ary hand, they will be. It a few relished by the sountry? one or all can eujos a spin through

 bromeht into the breedinges season handled witc be are good for London. Their interests are croce fars time. Which makes it phssith.. to have all the linked.
 so
$\qquad$






 lars per year, and renewals two dollars. Fut now
renewals cost the same as the renewals cost the same as the original license.
You point out that at present the total taxes on antos amount in Ontario to only about $\$ 25,000$
per year; but, with the increase of the motors in use, this will soon be doubled and tripled. I believe your suggestion for a graded
system of fees is right. The man with a fifteen or twenty horse-power car should not be com pelled to pay as much as the man with a fifty
horse-power machine. The New York State tax of from five to fifty dollars, according to horsepower, is a good one. I would say that cars of of, say, six dollars per year ; up to thrity horsepower, ten dollars; up to forty horse-power, fifteen dollars; and greater horse-power than this,
twenty-five dollars, per annum minus the cost of collection and supervision by the Ontario Government, should be handed over to the colnty counclls, and applied to the upkeep
and oiling of main highways where the dust has become a pronounced evil. But the man who owns a valuable farm on the main highway has as and the protection of his fields from dust as has and who does not own even a horse and buggy,
but who pays from three to four cents a foot for street-watering.
In closing, I would like to say that, as a rule I have found the automobile men to be consider-rattle-brained driver comes along who drives at body else. and is in danger to himself and every-
bormers may take it for granted that such a man as this will find no sympathy
amongst motorists when he gets into trouble. The man who values his car and the lives and prop-
erty of the people he meets on the road will be content to go along at a moderate pace and keep London, Ont. Mr. Carty naturally possesses a good stock of
common sense, which he uses in running his motor. The lack of it on the part of so many
men who run these machines has made them an unmitigated nuisance on the roads, and this is the real reason of country antipathy, not a fear that
the price of horses will be reduced, for horses comore the advent of the damage done the roads is the roads themselves How the Auto Destroys the Road. I would like to draw the attention of your onsiderable interest to farmers, but, on account its newness, have not given it the serious frect the new traction service is having on the mobile traffic. In other countries the same eiauto appears in great numbers, the effect on the roadbeds is at once to put them out of conleading from London to Lambeth. I have used that road for upwards of fifty years, and in all my experience I have never known that road to be in such a dangerous condition as it is at this moment, and I am inclined to think that the whole or greater portion of the cause of this confition lies in the fact that never in the history of that road has there been so many automobiles using it as during the season of 1911.
Let any person watch the course of the auto mobilist, and it will be found that they always keep in the regular trean, never taking the sile or a new trpad to sort of even up, or spread the wear on the general surface. This, $r$ assume, is a mat want to take any chances on the side of the road The autoist will not admit that his wheels sill injure a road, and, to the unthinking in
inime a roall surface. But it does, and the rea-
son is not far to lind. The tendency is to create touching the earth or roadbed. To get a fair idea af what that means, let a wagon stand on, say, a pavement, alongside of an auto on the same pave-
ment, then complare the amount the two types of whels that touch the surfice on a praction of the steel tire readily seen that only while a very large area of the rubber tire has a one case there is the pavement surface ; in the creation of a vacuum, a particle of chance for the
ber) vacurim in the other (the rubher) vacuym conditions are almost perfect; hence, case of the large-diameter, slow-rolling steel tire the natural tendency is to roll down the road as would the action of a land roller the tumps in a
field. The contrary is the effect ficld. The contrary is the effect of the rapid-
striking, small-diameter rubber tire, which, by
creating a vacuum, lifts creating a vacuum, lifts up, as does a suction Clouds of dust every time one of those enormous
mile-an-hour to
mashine of a one-horse carriage on a dusty the action when the wind is blowing across the trail, and it Will be noted that the greater portion of the
dust comes from the action of the feet of the horse, very little coming from the four wheels Compare that with what happens from the four wheels of the auto. Here you have a splendid
exhibit of the lifting-up procos a exhibit of the lifting-up process-a natural tend-
ency to disintegrate or destroy and scatter the particles that go towards road formation. Another evil is the smaliness of the wheel. Every
depression that exists in a roadhed will suffer depression that exists in a roadbed will suffer
more from the shock it receives from a rapid-drivmore from the shock it receives from a rapid-driv-
en small wheel than from the slower-moving large one. To illustrate this, lift a brick out of a
onement, get into any auto and lot pavement, get into any auto, and let the usually
rapid running take place, and note the effect on the machine, also thace, and note the effect o
it
it strikes of the tire whe it strikes the depression. Now try a wagon or
carriage over the same depression. carriage over the same depression, and note the
mechanical effect. Hence, the city Davement suf mechanical effiect. Hence, the city pavement suf
fers equally. To such an extent has the dirt and
dust nuisance dust nuisance become in the city that, notwith standing all the sprinkling and scraping and sweeping, housewives have just as much dusting With these facts before the farmer, I think the
fantity only remedy is to adjust the tax in a more equit highor figure, and aladed so that the man with ability tn destroy : that is, a 4,5 or 7 passenge
outfit will do more damage than a runabout or outfit will do more damage than a runabant or a
2 -passenger machine. And, as some counties in 2 -passencer machine. And, as some counties in
the Province have practically no tramic from this class of road destroyer, I think the Government
should allow the license to be issued by the county. In this way, the sections most used Would get a greater revenue, so that a better re-
turn could he made to the highway. Possibly
the Coovernment might continue to issue the license, and, hy checking the locality, gisue back tion to its number of licenses. The auto has
come to stay-there can be no question about come to stay-there can be no question about
that-and when we know that it is injurious to a people should be compelled to materially assist people should be compelled to materially assist
in the cost of road maintenance


Nova Scotia Fruit Valleys.
plowed in the usual way, To prepare the ridged
up land in the spring, first harrow with th ridges, and then cross them, and next put the cultivator over it. It is now in good shape for
the seell, and, with another harrowing after sowing, put it into first-class shape. The early-sown
grain is always the best, and this plan enables you to get on the land from three to five days
earlier. The value of early-sown grain has been earlier. The value of early-sown gr
clearly demionstrated this season.
careful and thorough preparation of the value of Too much time cannot be put on the every bit of extra work will count. In find this year that the drilled grain is doing better than
what was sown broadcast. One writer advises narrow lands, so that the water may get of early in the spring. When the land is ridged up, you have no trouble with water laying on the furrows are added where needed, the water will be carried off the field in short order.
A word in conclusion re preparing for next the best. This is plowed after the hay is taken off, and kept well worked all fall. If manure is available, it is applied in the fall, and the land manure is not to be had, the ground is harrowed last thing in the fall, so as to be level, and the manure can be then easily hauled out through the winter. If stubble land is to be used, the same have a warm fall, a large percentage of the weed seeds will germinate, especially in the early-
plowed sod.
C. II. .i. plowed sod.
[Note.-The prompt use of the roller after the in order to make a firmer and ", iellower mulch that will better serve to retain soil moisture, is a point deserving of consideration, and upon which
testimony based on close observation would be testimony based
valuable.-EAitor.]

How to Finish Silo Filling.
Editor "The Farmer's Advocate ":
About silo-filling, I would say that corn should be past the glazed stage when it is cut. If cut silage sours. A September frost will not affect the stalk or ears. The leaf is not of much value, and a light frost will not injure it to sigbe done without delay. If no frost occurs, a few hours' wilting in the sun will be beneficial. We cut with a corn harvester, and its only cut by hand. I would use a short hoe, but I If fer the machine, as the sheaves are easier to handle than loose corn. We draw the corn from the field on a low wagon, with two sills for a is not available, take the hind wheels off the farm wagon, and get two very low ones made to fit the axle, and it will answer very well. I prefer
an ensilage cutter, with blower. To run at full capacity will require an 18 -horse-power engine, from four to six teams, according to the distance the corn is from the silo, three men in the field sters hand the corn to the feeders two team feed the machine, and two in the silo. Such a gang should fill a round silo, 14 feet in diameter
and 30 feet high in a day. To distribute the corn in the silo, make
long, three-sided trough, invert it over the silo put hood of blower under one end, and the corn will shoot along inside and under the trough.
Then block the trough by nailing a board in it Then block the trough by nailing a board in it
over the center of the silo. The corn striking the board with the force of the blower will split the short lengths and make it more palatable for
stock than if elevated with a carrier I would prefer to co-operate with the neighneighbors haven't silos. I pay, about the same price as I do for a threshing machine. It is
sometimes difficult to get them, as it has to be done during the threshing season. If we had our water-powers developed, and electric power on the and filling machine, and do it with his cutting A silo thirty feet high will settle seven or eight feet. If the pastures are short, I would start to tling, the silo will soon hold another half-days' filling. Then feed off the top again and there will be no waste. If the silage is not required
at once, let it settle for a few days, pitch off
what is spoiled on top and refill. When the silo what is spoiled on top and refill. When the silo
is finally filled, go up every day for a week and is finally filled, go up every day for a week and
level and tramp the silage. A few inches of straw on top, sprinkled with water, will save the corn. If there is no trough or other arrangement to deliver the corn properly in the silo, the
blower will send the leaves to one side, and drop the corn on the other. It must be mixed with a fork in that case, or it will not keep. The weight of corn will settle it, except close to the wall,
ter care for tramp next. the wail, and let the cencorn thin, so that it will grow large ears and and mix it thoroughly in the silo. And the silo owners will not regret having built a silo.
JOHN M. HOULDERSHAW.

## Faitor Spurge : A Pernicious

E. B., North Perth.-" I am sending by mail have both it and bindweed all through a ten-acr feld. Can you tell me how to eradicate them?" in botany Euphorbia Esula. It is a new weed Canada, if absence from the offcial weed lists and weed books is sufficient to justify that designation of it. All the spurges have a more or less pois is a smooth erect branching plant, with narrow, nearly linear, leaves on its stem and main branch es, and yellowish-green, somewhat kidney-shaped field where the plants are frowing close togethe they average about 15 inches in height, but in good soil, with plenty of room, a plant may send
out several strong, nearly erect branches from near the root, and reach a height of two or three leet. Before the flowering parts appear, it sug ish-green flowers, which are so small that a lens is of an umbel having farts, are borne on the summ rays two or three inches long. The drawing shows such an umbel, with all the rays cut off at
the middle excent one showing the flowering


Faitor Spurge.
leares and the two seed pods. The seeds are
lodged in a hard, three-celled capsule about the elastically, and shoots out its, on ripening, splits considerable distance The owner of a tenwith both faitor spurge and convolvulus infested has a large weed contract on his hands. Both tocks which the cultivatorennnial, running rootlo spread throughout the field. The roots of the indweed may be the worse of the two for spreading by cultivation in damp weather, but the greater nuisance in the crop. The problem a eradication, however, is not double, for the treat ment that will eradicate or control the one will Smothering has proved an effective dealing with bindweed. In small patches, compost, straw or tar-paper may be employed for
this purpose ; but areas whose size puts smothering out of the question, summerefallowinother lowed hy hoe crop, is recommended. The sum-mer-fallowing is begun in favorable weather in
May, by shallow gang-plowing, followed by rowing. In a fortnight or thereabo it, by harcrop of the weed will be showing, upon which the wide-toothed cultivator and harrow are to be used Repeated cutting with the share-cultivator, fol lowed hy harrowing that drags the roots up and much that a well- cultivated hoe crop in the so
lowing rear will complete its eradication. In
lour
ing up a field badly infested with these weeds

Starting a Produce Market
A young man with only about $\$ 100$ cash capiFarmer's Advocate "" about starting a produce market in his local village. His idea was to capital, and pay him a salary of, say, $\$ 1,200$ per year as manager, the profits to be divided amon porated, and the business promises sufficiently well, the municipality might properly undertake of the place, the general progress of which would help. It is doubtful if the proposal would appear successfully to farmers in the locality. better be commenced in respondent depending upon his own ability and resources. As he gains experience and the trade grows profitable, he will be able to extend his phatations, as many others have done. But he

## THE DAIRY

## Good Cows and Poor.

Many grade cows are making good records this Dominion Department of Agriculture. One the Cassel, Ont., has given over 200 pounds of buttertions at Warsaw, Ennismore Cassel the associaOnt., the average yield of all cows tested for Juna is over 35 pounds of butter-fat. Eight associatons in Quabec average over 30 pounds of fat per bec average less than 700 pounds of milk and 24 pounds of butter-fat during June.
ield for June Edward Island, the highest average cows included in the "dairy record center" there
 dividual cows giving over 900 pounds of milk
and 35 pounds of fat. One of the best yields is from a seven-year-old grade Shorthorn, giving But hard by these rood records are found of fat. yields of only 500 pounds of milk and 18 pounds of fat irom six and seven-year-old cows that
freshened in April and May. Between yields of 40 and 18 pounds of fat in
one month there is too great a difference to overlooked. It is all the difference between be very satisfactory return and no adequate payment whatever for all the energy, time, feed and care money for their unfortunate owners. Conserve your energy by keeping better cows. You cannot afford to keep a herd of only medium capacity. Cow-testing pays abundantly, for it shows which cows are making a good profit, and again, which
cows cannot by any strength of imagination considered in the same category. C. F. W.

Dairy Farm Investigation. II.
Many different styles of stables were found among those on the twenty-one dairy farms which the floor of every stable visited, and many them are also fitted with cement feed troughs or mangers. Eleven of the stables were partitioned
into stalls, and ordinary chain The owners claimed that the cows seemed to be the only trouble they had was a tie, and that in keeping the cows clean, the chains allowing them to back up and go ahead, often permitting scems to be the only great disadvantement. This chain tie. Swinking groat disadvantage of the
in only two stanchions were found stanchion io stables, and a swinging wooden strongly, claiming The three owners praise them their strong features. They make very neat cleaner tractive stable, and keep the cows a little were fitted with ritid. Seven of the stables partitions in the stable. More cows can be stait has the same space by using this method, but fortahbe tie appearance of being rather an uncom- owners stated that they Sem to experience any discomfort, and that not rigid stanchion was an economy of space, as well in the which kept the cows from getting down some injury to cows' wew of these men reporter

[^0]one drawback of not having partitions between
the cows. A not ticabale feature of all the stables was the
amont of light
To this is essential to the heollth
 Light is destructive to the disease-producing bac-
teria, and every stable should have as much of it as The care of the stable is an important factor in the production of good milk. Regular clean ing, whitewashing and liming should always b whitewashed, and they were not so light or so
clean as those which were not clean as those which were. the gutters aiter cleaning the stables each day in
seven stables. This, the owners stated, was a
good method of suppressin good method of suppressing odors. The cleaning
of the stables was done regularly on nearly the farms, two men having them cleaned three times daily, eigh't twice daily, and the remaining
eleven once each day. There was a tendency on the part of some, owing to press of other
to neglect the stables a little in summer, co neglect the stables a little in summer, and a only cleaned twice per week. While these stable were not in a very dirty condition, they were to ive compared with those which were cleaned and heaps in the yard over summer, hogs. Manure saine stable with the cows, bad eggs in the stables, and stagnant water close to the buildings,
should always be avoided. WATERING
Watering dairy cows, particularly during the
winter months, is something that good dairymen Winter months, is something that good dairymen
differ on. One man will see no harm from turning the cows outside to water, while another would not think of letting them out, preferring
that tha water be kept before them at all times. of the 21 herds, 13 were watered oll times. and their owners claimed that watered outside, milk was noticeable, provided the cows were not
left out too long at once or until they became left out too long at once or until they became
chilled. On rough or very cold days, only a few are let out at a time, so that the others do not ows are through drinking. Wait until the boss again as soon as they get their drink, and the
owners stater that they believed cise did the cows good, instead of harm. The eight men who were the exponents of inside watering all had practically the same system installed. a gasoline engine, while others used a windmill The water was retained in a small bowl in front during cows, and they were never let outdoors uring the entire winter. A little difficulty is ex-
perienced in keeping these water bowls clean most of the dairymen stated that this did not give them much trouble. One advantage of the inside watering is that the cattle have the water
before them constantly, and can take drive whenever they like, and, according to some who have observed them, they drink far more inside than when let outside, the water is warmer, and they are not. so likely to become chilled. Cows
not accustomed to watering outside go back con siderably in milk flow if turned out, but cows accustomed to going out for drink usually do very well, and the little exercise and fresh air thus
obtained is good for their SUMMER FEEDING
This season has been comparatively dry, and ing it a necessity to feed some kind of makother than pasture grass, if it is hoped to keep up the milk supply. Some good practical infor-
mation on this subject should be of value to dairymen, and for this reason special care was taken months, with a view to keeping up and increasing
the milk flow. The herds will be known the milk flow. The herds will be known by num-twenty-one, and, as far as possible, the summer
feeding will be riven in full. The rations fed feeding will be be given in full. The rations fed
were as follows. were as follows
Herd No. 1-F
grain to 3 pounds of milk given. The of mixed sisted of one-third oats and two-thirds bran, with a little oil meal added. No soilage or silage was fed, and, to keep up the supply, which began to
fall off, a little rolled oats was fed, and the grain ration increased. and oats, fed as a soiling crop. Ensilage was
fed until the middle of June. No grain was fed in summer.
No. 3-Brewer's grains were used in this herd. and were fed about 10 pounds per cow twice
day. The owner did not approve of this method dut, as he had no silage or green feed a available
be considered these the cheapest feed. No 4.-Cows in this herd were getting three
quarts if meal each twice per day, the meal consisting of a mixture of 1 ton of corn, 1 ton No. 5-This herd was heing well fed, each cow oats and bran each day, as well as about 15
pounds of ensilage twice per day.
of some 160 This herd had a very large pasture field get enough green feed. The thently were able to
sisted of about 4 prain ration conper day. About ten pounds of brewer's grains twice per lay coustituted the grain ration. per day, and about 40 pounds of silace makes cow feed of cows on this farm, besides good pasture twice 9-Brewer's grains, 10 pounds at a feed, twise per day, made the extra feed for a cow in No. 10-This herd was getting brewer's grains and silage, about a bushel between two, twice per Nay. 11 -No suminer feeding of any kind was quarts each at a milking during the severe weather the beginning of July.


An Electric Plow
Tested by Hon. Adam Beck, near Munich, Germany.
No. 12-Bran, oats and barley chop, mixed and plemented by fodder made up of oats, barley and peas, pastured nights, cormed the summer ration
of this herd. No. 13-A grain ration of 2 quarts of bran
and 1 quart of mixed chop, twice per day, wa fed each cow in the herd.
No. 14-No summer feeding practiced. and a basket 15 - Three quarts of bran twice each day ing and evening was keeping up the supply farm.
No. 16 -Feeding alfalfa as a soiling Grain feeding to commence this month and consist of 4 quarts of chop and bran, mixed, twice per No. 17 -Brewer's grains, 10 pounds at a feed, twice per day, and 1 quart of shorts each and a

Suitable Dairy Outfit
Barn, silo, and some of the dairy cows belonging to, Mr. Hourd, Middlesex Co., Ont



I'GUST 10, 1911
The "Silver Leaf" Disease of Trees.
Editor "The Farmer's Advocate":
As the name indicates, the Silver Leaf disease may be recognized by a silvery or milky gloss o the upper surface of the leaves of apples, plums peaches, cherries, pears, currants and gooseberries red on apples and plums, but in Europe this dis ease has often been found in the other kinds of
fruits. It is somewhat difficult to recognize the fruits. It is somewhat difficult to recognize the
silvery appearance of the leaves, which, however. may become so pronounced as to completely age of one or more limbs, age of one or more limbs, or often the whole or lime-sulphur results in the covering of the leaves with a bluish or yellowish-white film, and this may give the tree an appearance not unlike covering is, of course, easily removed, while in the real " Silver Leaf " the color will remain. Hence it is important to distinguish carefully between
these two facts, and, in order to be sure of the disease, specimens will gladly be examined and reported upon by the Division of Botany, Central Experimental Farm, Ottawa. Growers should ance of this disense which is by no means apear ance of this disease, which is by no means a new nately, escaped detection, until the discovery of undoubted cases of "Silver Leaf" in Nova cotia a few months after taking up my duties the silvery foliage of some oi our native willow and poplars. From a distance, these trees may
easily be recognized on account of the bluish0 ining your orchards, and if not due to any milky
ing presence of the "Silver Leaf", disease solicit samples of foliage, for we cannot be too careful in taking every possible step to prevent
this disease from becoming a source of real this disease from becoming a source of real
danger to one of the country's most important danger to

NATURE OF THE DISEASE.
The "Silver Leaf " is injurious to the life o
the trees that have been enumerated. The tree may at first show only one limb affected; gradual ly another lime becomes involved. The disease works slow ly, and it may take from three to five years be-
fore the disease has involved a whole tree. Thi depends, naturally, upon the size of the tree. Dur hear fruit but bearing soon becomes a thing the past, and the tree dies, limb after limb. may be said that a tree, once attacked, nearly at bears little fruit previous, protection practically amounts to immediate
which show this disease.

CAUSE OF DISEASE.
been very much discussed in England and the foremost mycologists of "England firmly disfavor of a physiological disturbance, however, is, in the face of releated and successful inoculation
experiments, of very little, not to say of the experiments, of very It it is very likely that, as
slightest importance. It Slightest importance. too, predisposing factors which may be of physio-
logical nature, which render the tree more liable to contract the disease, but there exists in my mind, and in that of many careful and reliable doubt that "Silver Leaf" has been due to an infection with Stereum purpureum. This fungus
I have found associated with this disease everywhere where I have traced this disease. Moreover, reports from other countries (New Zeal species of
Africa, etc.) also show that this species Africa, etc.) also show that this siecies oaf"
Stereum is always found where "Silver Leat" trees exist. Again, in this country I repeated the
inoculation last November, and every tree thus inoculated now shows "Silver Leaf" quite plain-
ly. Trees inoculated with another fungus which trees made with inoculation cut made with a trees made with inculation cut mowe in the sanie row; but, where no wound of any kind was
malle, remained periectly free from "Silver I eaf ", disease. WARNING TO GROWERS "Silver Leaf" disease has been recorded and
has been personally observed in the following Provinces: Ontario (Ottawa only), Nova Scotia
(several records), New Brunswick, British Colum(several records), New Brunswick, Manitoba, No
hia, and experimental orchards in Mated from Quebec, Niagara
case has yet been recorded form

THE FARMER'S ADVOCATE
District, or any of the other Provinces where
fruit is grown. This must not be taken as an
indicuisinn of its indicution of its non-existence. I have reason to
believe that the disease is very widely spread.
The Disease is Very Serious.-Growers in this country are addised to exaime their trees very
carefully, and give the disease no chance of esablishing itself firmly all over the country. The
fruit industry is in real danrer. Without wishing to be an alarmist, we cannot afford to neglect the lessons taught by the disease in other
countries, and every fruit-grower should unite with the Department in the efiorro should and are now
being made to arrest and control the spread of being made to
"Silver I.eaf."

PRECAUTIONS.
Stereum purpureum, the fungus which causes
". Siver Leat" is a wound parasite. The fungus is liable to gain entrance through any wound
in the bark or root. It produces its fructificain the on dead wood only, hence its true nature has not bsen at once recognized. The fructification appears as more or less large, depressed or hori-
zontal brackets of a dull crimson color. at once all trees that are wholly involved; do
not allow the stump to remain in the ground. It is generally on the stump, in, or lying on the
ground, where the fructification of the fungus is produced. The whole wood of any "Silver trae out any time before fall; in fall, the fructification appears more generally. Cut and burn any
silver-leaved branches, and watch the tree. If, after cutting away a branch, "Silver Leaf" ap-
pears in others, haul the tree out. When removing a tree, the roots also should be dug out, then
fill in the hole with stone lime mixed with soil, and allow three months before planting another tree in its place. Local infections of single limbs may take place, and the inoculation experiments have shown that such infest may recover, is soon as noticed. The disease is liable to spread from limb to limb, so do not take any risks.

Pruning Raspbepries

## The old wood should now be cut out of the

 raspberries, so as to give all the strength of the root system to the young canes for next year'scrop. Much of this has already died, perishing immediately upon the picking of the berries. This crop and the stronger drain of the young canes, which are growing very rapidly now. Their long, thrifty canes are pushing their way across the middles, and threatening to soon block the passage of the cultivator. Means must be taken to prevent such a result, for, with upspringing weets,
it is impossible to safely discontinue cultivation but even without the menace of the weeds, the vigorous growth of the young canes must be maintained without check, and this requires that no supply of oxygen from the roots, and the bacteria of the soil that tirelessly manufacture plant
food into available form.-- Market-growers' Jour foo
nal

## Fruit Crop Report.

Hodge report issur A Association, shows that a very considerable amount of damage to the crop has resulted from the storms, particularly, heary wind and hail tornls, which severatimated loss from this cause experienced. Me estlow. Milton, 10 per cent, of the 20 per cent, of the apples, and a smaller percentage of plums and pears; Jordan, winter apples 10 per cent., sum10 per cent., and grapes 5 per cent. ; Georgetown, 33 per cent. of all varieties excepting Spies ; New York State, 20 per cent. loss in all very little damage reported; Chatham, no damage reported, and the crop of summer and fall fruit fair, with winter fruit light; Huron, apples
are badly blown off by recent storms ; Brant, 30 per cent. of the Greenings are on the ground, and per cent. of the apples, plums and pears were blown off ; Sparta, apples are marked by hail to
some extent, and many blown off; Oxford only lost about 5 per cent. by wind, and the crop is improving; simcoe, much havoc by wind, but enough are still left to mature properly ; Gore,
ten no hail, hut 5 per cent. of the apples are blown 33 per cent.: Joundan, from loss from wind is about
to 75 per cent. of
by hail on July 23 rd, Port Burvell, about :30 worth ruports a loss of 10 per cent. is estimated at over one million barrels. Apples are still looking well in sprayed orchards, whil some districts report that fully 75 per cent. of the codling moth and curculio.
Summer apples are reported as selling
from $\$ 1.00$ to $\$ 1.25$ per Prince Edward Island have offered $\$ 2.50$ Prince Edward Island have offered $\$ 2.50$ to
$\$ 2.75$ per harrel, f.o.b., station, for fall and win

## Experiments With Tomatoes.

Editor During the season of 1910 , at Cambridge, New Brunswick, a series of experiments were conducted by the writer with fomatoes, under field con ditions. The object was to decermine how best cracking the fruit a study was also made of might aris from the diferent methods of prunin and staking the vines Four Farliana plant were used in each experiment.

It was shown that leaf-spot can be controlled by the use of Bordeaux mixture. There is no one application which is all-important, freedom from disease being, with slight variation, proportional Bordeaux immediately after plants are trans planted to the open field is not to be recommender. In every case, plants were much injured fronu same was slow.. Fspecially was it wat with the staked plants. plants were kept from the ground by means of stakes placed over plants in camp style. Leafripe fruit is wanted, it does not pay to do so ripe fruit is wanted, it does not pay to do so.
Any check to the plant tends to ripen its fruit. Leaf-spot tends to produce that check, and consquent ripening. The best prices for tomatoes are
always obtained in early season. The combining of these two factors, viz., early ripening, and consequent better prices, gave to the unsprayed plot the advantage in ripe iruit, by the end of the
season, of $48 \frac{1}{\frac{1}{2}}$ cents. If we should add the cost season, of
of spray and its application to sprayed plot, the difference would be still greater.
In any locality where the season is long and ing would pay but not otherwise, with the pos sible one exception of spraying before plants go in the field. The same conclusion may be drawn from results obtained from plots where vines were
kept from the ground. There was less leaf-spot but the fruit was later. Two plots which were covered with canvas, for another purpose, remained green until the end of the season. This would indicate that in dry seasons you would ex-
pect less "spot" than during wet ones. This is amply borne out in the field, for in wet seasons plants are often entirely defoliated.
The exceeding wet weather interfered somewhat with the experiments re "cracking," but both would not produce this condition. Field and plot
showed that wet weather, followed by dry, would showed that wet weather, followed by dry, would was obtained free from blemishes. On the other hand, wet weather following dry would crack the
fruit quickly. The experiments seem to prove fruit quickly. The experiments seem to prove
only one thing, that cracking is caused by rapid growth of fruit, brought on by wet cond The application of common salt in different
quantities did not lessen cracking ; in fact, it quantities did not lessen cracking, in that, as salt checks growth, we might be able to hold back on the subsequent growth oaused by late rains, and thus prevent cracking. Following the skin and cracking is the result. Some practical remedy for this, which annually brings much loss to the grower, must yet be sought. The cool, dry, dark room, is the only effective method of dealing with the difficulty. The flavor of fruit thus ripened is somewhat impaired, but in some seasons it is the only method of saving the crop.
The effect of pruning was studied in three plots. It is noteworthy that plot 15 , which was not pruned, produced almost exactly as much fruit as 13 and 14 together, one of which had all
laterals removed, and the other shortened. In the case of plot 13 , where all laterals were removed, fruit was no earlier, and much less of it. This practice is strongly to be condemned. The
shortening of all laterals had little effect. There was nothing gained sufficient to warrant its being done. Ripe fruit seemed to be produced a little earlier than in plot 15, but no earlier than i
some others left unpruned. M.

## Fruit Box Standards.

$\qquad$ ence of Fruit-growers, to be held at Ottawa next
winter by the delegates from the British Columbin Fruit-growers' Association
That this British Columbia Fruit-growers'
sociation adopt as a standard apple box for sociation adopt as a standard apple box for all
purposes the $10 \times 11 \times 20$ inches, and that we inpurposes the $10 \times 11 \times 20$ inches, and that we in-
struct our delogates to Ottawa to use every en-
deavor in deavor in their power to have the words "For export only expurgated from the Canadian Fruit
Marks Act, sec. 325. That the Association recom-
mend that the four-basket plum crate be 15 $x 4 \frac{1}{2}$ inside. That the present pear box, $18 \frac{1}{x} x$ be $18 \frac{1}{2}$, $\times 11 \frac{3}{3} \times 4 \frac{1}{2}$. That the pear box, $8 \frac{1}{3} \times 11$ $\mathrm{x} 18 \frac{1}{4}$, be adopted by this Association as a stand

## THE FARM BULLETIN.

Agpicultural Legislation at Ottawa just closed would have gone down in history as as one of great importance to the agricultural in-
dustry of Canada, but the whole country knows that the reciprocity pact was not allowed to
reach a division of the House of Commons upon its nirst reading. Because of the time spent in bills affecting agriculture had to be left over.
Early in the session, however, a number agricultural measures went through. While on portion of the supplies necessary to carry on the Department of Agriculture were voted, the
amounts asked for by the Minister of that Departmounts asked ior by the Minister of that Depart-
ment were sanctioned. When the House again meets, the remaining portion of the vote will AMENDMENTS TO SEED-CONTROL ACT. To prevent the distribution of the seeds
noxious weeds through conmercial channels the constant effort of the Seed Commissioner.
This official has his inspectors constantly on the outlook for channels in trade through which
these pests of the farm are being spread. When the original Seed Control Act was drafted, it sary to cover in the ineasure. Investigation
showed that a number of bad ones were missed, and as time went on new ones were cropping up. were working serious havoc, while they were not known in other parts of the country. It was, there. comed introductions, and consequently, during the muthorizing the Governor-in-Council to name the noxious weeds. By this amendment, any weed tion of the Act within reasonable time.
This amendment extends also to flax seed, as
well as to clover and grasses. In the original with which the seed be mixed when offered for sale. The amendment Provision is made for the grading of timothy standards of quality into Extra No. 1, No No. 2, No. 3, etc. Heretofore, there were two
standards, No. 1, and a lower standard, below Three years of investigations showed the Seed Commissioner that large quantities of bad seeds were being distributed, mixed with bran and other
mill feeds. It was the custom of many mill owners to get rid of screenings in this way,
Analyses showed that samples of bran, shorts and
middlings middlings contained as high as 246 vital seeds of
weed per pound, while feed oats tained over 4,000 such seeds per pound. It was realized that many of these seeds pass through
the systems of animals, retaining thoir the systems of animals, retaining their vitality.
This is why the Act was amended so as to make it necessary that bran, shorts and chop feed must,
according to law, be free from vital seeds of any
of the noxious wreds coming within the operation of the Seed Control Act.
Giradinc: Firdit.
The Inspection and Sale Act, which now in
cludes the Fruit Marks Act, was amen cludes the Fruit Marks Act, was amended so as
to cover all fruit packed and ofiered for sale eithe wholesale or retail in Canada, as well as for ex-
port. Heretofore, the Act covered only the export trade, and many and bitter were the com
plaints of Canadians who were apples and other inferior fruit in the middle and bottoon of the package. Now all fruit offered for ale must be honestly packed, and the receptacles
must he properly marked. Further, it is unla ful to mark or caused to be marked a wrong name, or the name of any person or firm other
than the one who actually packed the package.

An important regulation was passed by Order
n-Council while the House was in session. It in-Council while the House was in session. It
has to do with insect pests likely to be introduced on imported nursery stuck. According to the
Order, under the Destructive Insect Act, the importation of any plant or nursery stock infected is prohibited, and importation shail be only through certain ports: Vancouver, Oc-
tober 1 to May 1; Niagara Falls, Octuber 1 to May 15; Winnipeg and St. John, March 15 to of December from the 7 th of October to thisor and St. John's, March 15 to May 15, and from September 26
December 7. Exemption is made in greenhouse plants, herbaceous perennials, bulbs and tubers, and necklace poplar. Notice of intended importation is required, and the sale of any infocted stock is prohibited. Inspectors to carry will have power to enter any lands and premises where infection is supposed to exist. The regulations are lengthy and somewinat radical

The amounts FOR AGRICULTURE.
ister in the mants of money asked for by the min appropriation by a little more than one hundre hormal termination, Had the session reached mitted, with other supplementary eetimates slightly more than half a million dollars addition with this sum cannot be considered in this re

DAIRY AND COLD-STORAGE BRANCH. The vote of $\$ 100,000$ last year has been in
creased by $\$ 10,000$, in order to take care of a eral extension of the work. Special experiments in rection of Geo are being carried out under the di of conducting the cream-gathering system of but best method oi handling object is to learn the as well as the best treatment to aive the crean after it is delivered at the creamery. The work is being done on a large scale at the Renfrew
creamery, which has been properly equipped for the work. The cow-testing work is rapped fo
panding. Already, about 175 associations ex in working order, representing some 1,200 mem
bers and 14,000 cows. This vear speciat bers and 14,000 cows. This year, special officer up cow-testing in the whole neighborhood, and in as well as better feeding and care of animals
Each farmer in the localities is asked sample of the milk of each cow at regular interbe tested. The Department pays the factories five cents per test. The results are given to the
officers, and the farmers themselves weigh and keep a record of the weight of the milk. The re sults of the tests are worked out by the Departtheir guidance in weeding them to the farmers for record centers are established in Oxford, Peterboro and Lanark Counties, in Ontario St. Hya-
cinthe and Brome, in Quebec ; and Kensington, Work in the Market Extension Division is con stantly growing. A cargo-inspection officer is
stationed at Liverpool, and under him officers are at work at large British ports. These men watch the cargoes of perishable produts as they land, tained in the cold-storage chambers of ships. Reports, including the readings, are forwarded to
the Dairy and Cold-storage Commissioner at Otshapa. Inefficient handling is reported to the prove conditions where necessary.
Experiments in cooling fruit are being carried out. The system involves the forcing of cold,
dry air into filled cars. The packages are so
nacked as to leave spaces and avenues for circu ation. When the fruit is properly cooled, ice is is closed and sealed for the journer, and the car warehouses remains the sone basing cold-storage Sixty THE SEED BRANCH
last vear. was thoust dollars, as against $\$ 50,000$ Seed Branch, which administers the weed Control
Act. The work is makine health requires the extra moner. Three thousand and
lars of the additional the Branch. This will provide for a commence-
ment in the work of prenarine having colored plates similar book on grasses Book of Weeds issued hy this Branch. The the Branch does much valuable edncational work in connection with sped fairs and standine field-crop
competitions. In connection with the latter, the
Branch of Agriculture, the with Provincial Departments
judges. Final Pranch supplying the judees. Financial and other assistance is
granted, when appliodl forr, to seed exhibitions or
ganized by Prosinciul
ture. The grant towards a Provincial exhibit More than 7,000 samples of seed were test
Mor for farmers last year at ottawa and Calgary,
 EXPERTMENTAL FARMS
Thirty thousand dollars was added to the vin mental Farms, bringing the amount up to $\$ 160$ 000 . In addition, $\$ 75,000$ was approved for o A similar vote was made for new forms last yen Besides this, $\$ 25,000$ was voted to the Depart ment of Public Works for new buildings and re
pairs. The work to be done includes the pairs. The work to be done includes the con
struction of a new dairy barn at the Agassiz, B. C., and repairs to buildings and fences at the Central Farm. extended general work at all the Farms is being periments in cultivation and undertaken, and new work is being taken with live stock. At each farm an assistant superintendent, who is a graduate of an agricultural College, has been appointed. The head of
each division at the Central Farm has also bee

Besides the five original farms, at Ottawa Sask., and Agassiz, B. C., Man.; Indian Head operation farms at Charlottetown, P. E. I. For Rouge, Que.; Rosthern and Scott, in Saskatch ewan; Tethhridge and Lacombe, in Alberta; while
smaller stations have been organized at Oops, B. C.; Fort Vermillion, on the Pace
River, and Forts Smith and Resolution, beyond he 6oth parallel of latitude.
of antuals and i.tve stock The inte for the Health of Animals and Live
stnck Branches remains the same as last year, viz $\$ 2.50,000$ for the former, and $\$ 52,000$ for the larged from $\$ 120,000$ to $\$ 140,000$. These Branchfor the livell organized and doing a valuable work and impert trade call for strict and thorough supervision, in order to prevent introductions of abroad cannot be found fault with by the health An important new work nearing completion,
under direction of the Live-stock Commissioner that of the sheep Commession, whose report will industry in Cireat Britain and the United States besides the state of the industry and its possibilivill deal very fully with the wool situation report Twenty thousand dollars was voted to the Deand dipping vats along the to construct corralls enance of cattle quarantine stations the mainMiciency the Dominion, in a proper state of Tobacco.
The vote to carry on the work of the Tobacco
Division has been increased from $\$ 5$, year, to has been increased from $\$ 15,000$ for the present one. $\$ 00$ last borate experiments are being carried out at the two Quebec stations. Kent. in Ontario, and the established in British Columbia, where the Chief investigation, and found certain parts of the ing. It is estimated that for tobacco-grow1910 was worth $\$ 1,000,000$. With proper methties, it is helieved that the most suitable varieTwo hundred and eisht ans. Two hundred and eight thousand dollars are
set apart for exhibitions, as against $\$ 178$,
last vear last year. This includes $\$ 150,000$ for $\$ 178,000$
exhibit's exhibits at the Canadian Institn and improving The world's Dominion Exhibition. London, and year is the " Festival of Empire," attention this postponed last year on account of the death o tains an elaborate display of Canadian thada mainartistically arranged as a fac-simile of the Cana tute is a or Commons. The Canadian Insti orms part of an extensive exhibition maintained oy the Colonies of the British Empire. The Ca the natural resources of the Dominion. Such cenew. The held at Regina, Sask., on August 1st to is being Last year, \$2.000 was set apart to administer
 exating regulations of the onder-in-Council re
ferred $t o$ in lhis article
 To meet the obligations of the Department to-
wards
the Ine International $A$ Aricultural Institute

 stantial grant, Lesites pubishing sulletins sade
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and Social Intelli genee, genre. The Canadian correspondent, T. K. . Do-
harty, also sends to the Institute reviews of Ca herre. also sends to the Institute reviews oi Ca
nadien angricultural publications.
ne.

## A Double Advantage.

## Editor "The Farmer's Advocate": In an article entitled "After Harvest Cultiva-

 tion," in the issue of July 27 th, "The Farmer's fully by calling attention to the necessity of stirring the soil in order to conserve soil moisture seeds. There is nothing like killing weeds by wholesale, and the destructive drouth of this season makes provision against a lack of moisture dition to the cultivation suggested in the article Teferred to, it is important to go one step further.Whren tho it is well to sow rape or nairy vetch. These seeds


 Airst cultivation destroys the early summer weads The sheap and cattle kep the growing weeds closely cropreded and the tall plowing means the
extinction of the maijority of weocis that remain.
 work done in the way of cleaning the field much
goord necrues trom saving moisture for the
folowing crop. The manure of the grazing aniing spring be one of the best forms of humus for
the soil, and will serve to fortiry the land against the soli, and will serve to fortuly the land apainst
the drouth that seems inevitable in July or early Augnst. Fields treatedi in this way last year
Kave results
which abunnantly recommend similar


## Silo Building and Filling

Editor "The Farmer's Advocate":
It will soon be time to fill the silo again, and a few hints as to the building and filling of it with the sheaves standing straight up on end. Loading is started at the back of the rack, where rear ladder. We can put on all the team can draw, and it is easier to load and far easier to
unload, because, when you take hold of a sheaf, you have it at once, without having to move one My silo is a smaller one than any you gave give the cost of it. It is a slop wall, plastered
inside and outside, and has four doors. Its diameter is 10 feet inside, and the height is $32 \frac{1}{\frac{1}{2}}$ feet. The cost, at $\$ 1.80$ per barrel, $\$ 54$; use of rings, $\$ 21$; five men, $6 \frac{1}{2}$ days, $\$ 48.75 ;$ wire, $\$ 3.50$;
mason to plaster, and man to tend, $\$ 13$; cement and lime to plaster, $\$ 7$; carpenter, making door $\$ 9$; nails, hinges and paint, $\$ 1$; totai, $\$ 167.25$. Besides this, I furnished boy and horse to haul up
grout, and worked most of the time myself. Not grout, and worked most of the time myself. Not
one of us had ever seen one built before, and we had to do considerable studying, so it took much more time than it should. But it has stood the silage kept perfectly-just as good around the
outside as in the center. The wall is 12 inches thick at the bottom, and gradually tapers to ${ }^{6}$
inches at the top. The foundation is 18 inches. The gravel and sand was got at the lake shore. It cost nothing, but more sananted seven acres of corn to fill it, but it did not take the half of
this. The variety was White-cap Yellow Dent, and it was drilled in $3 \frac{1}{2}$ fect apart. From the
remainder of the field I husked 350 bushels of

HE HARMER'S ADVOCAIE
Brandon Inter-Ppovincial Fair. The men in charge of the Brandon Show have for
some years striven to make their show the best of the Canadian West series, and from an agricul-
tural and live-stock viewpoint, they have nearly reached their goal. The classes in live stock at
this year's show were all well filled and keenly contested, and the show was the greatest success

Clydesdales.-The Clydesdale classes were e: en stronger than at Winnipeg, fifteen entries Proi. W judge. The awards in the aged stallion class were: 1, W. C. Van Horne, on Lord Ardwell, by
Baron's Pride : 2, Brandon Horse Syndicate, Baron's Pride ; 2, Brandon Horse Syndicate, on
Cairnhill, by Ethiopia; 3, A. B. Mitchell, on Caliph, by Baron's Pride Pleasant Prince, by Prince Pleasing al McLean, on ell, on Earl Roberts, by Hiawatha ; 6, John Graham, on Mascarville, by Sir Simon. Three year-old stallions brought out four entries, which were placed as follows: $\quad$, Major Miller, owned
hy Vanstono \& Rogers : 2 , Baron's King, owned hy Hunter: 3, Aikenhead Chieftain, owned by Vanstone \& Rogers; 4, Joe Chamberlain, owned by H. H. Simpson. Stallion, two years old-1 Allison ; 3, Vanstone \& Rogers, on Radiol ; 4. A. C. McPhail, on Sir Francis Drake. Stallion, one year old-1, A. Graham, on Top Notch;
W. J. McCallum, on Scottish Fashion , 3, A.
McPhail on Baron Taurenhill 4 , McKirdy Bros on Crown Ting. The class for fillies of 1908 was very strong. Miss Holly won first for the Van Horne Farm. Lady Andrew, by Baron's Pride, stood next, winning the taken by McKirdy Bros.
am. Third place was mare. Countess of Rashiehall. Fourth stood Lady Chattan, the Canadian-bred champion, ex-
hibited by David McLean. Fifth place went to McKirdy Bros., on show Queen. The class fillies of 1909 brought out seven animals. Firs went to Alex. Savage, Carman, on Darling Belle second to McKirdy Bros., on Baroness May ; third
to Jas. Burnett, on Ruby Barbour, and fourth to to Jas. Burnett, on Ruby Barbour, and fourth to
Mch irdy Bros., on Royal Princess. For filly oo 1910, I as. Tucker's Silver Queen won first, David
McLean's Lady Peggy second, and J. Lyttle's Mabel Darn's third. Six entries in the foal ring claimed honors. First place was captured by An-
drew Graham; second, Van Horne; and third, B H. Nevens. The awards for brood mare with foal by side were: 1, Van Horne, on Moy Jess ; 2, A
Graham, on Lovely Baroness ; 3, A. C. McPhail on Lady Kitty. For yeld mare, or mare visibly
in foal, first went to Van Horne, on Sylvan Queen second, J. Graham, on Border Rosy ; third, A. B. Mitchell, on Bedford Rose ; fourth, Van Horne
on Lady's Pride ; fifth, S. Benson, on Rosy Gem, W. McMillan won the prize for three animals the get of one sire, on the get of Silver Clink. Lord any age, while A. Graham secured the prize for
mare and two of her progeny. Sylvan Queen was first in the class for best Clydesdale mare, any age. Scotty Bryce won for J. Burnett the special
stallion prize donated by the Clydesdale Horse stallion prize donated by the Clydesdale Horse
Society of Great Britain, and Sylvan Queen won the same prize for females.
Albion, owned by A. Graham, was pronounced eanadian-bred champion stallion, and Lady Chat
tan, owned by D. McLean, champion female. Shires.-Competition in Shire classes was be Grahara. of Carberry, and John Stott, of Oak Lake. Acle Harold, Schroeder's Winnipeg cham aion, won stallion class. Schroeder also was third and fourth, with Ludham Forest Chief and Lionel
For stallion of 1908 , Schroeder won with Hemp For stallion of 1908, Schroeder won ehampion. For filly of 1908, John Graham was first, and John Stott second. Colquhoun \& Grey. Stott's Handsome Prince was best Shire stallion, any age, bred in Canaua. lion foaled previous to $1908-1$, W. F. \& R. C. Robt. Reid, on Port de Vendome; 4, Thos. Kelly, on Buisson; 5, Vanstone \& Rogers, on Hiven
Stallion foaled in 1908-1, J. B. Hogate
 on Hutton; 4, Lane, on Ilmen. Stallion foaled Vanstone \& Roerers, on Carnot. Stallion foaled in $1910-1$, Roht. Reid \& Son; 2, Upper. Filly
foaled in 100 -1, Lane, on Imprudence; 2, Upper on Pearl; 3, Lane, on Alberta; 4, Upper on Be 1909-1, T.ane, on Jardonierre; 2, Upper on VerTpper: 2, Lane Foal of 1911-1, 3 and 4
Upper ; 2, Reid. Brond mare-1, 2 and 3, Up

Reid,
Bichett
Reid,
under,
rior. ior: 2, Reid, on get of Port de vendome; 3 3 ,
Upper, age - on get of Robosse. Best Reidee Mares, any nimals, get of one sire-1 and 2, Upper. Best ercheron stallion, open-Upper, on Bijou. Best Percheron female, open-Lane, on Bichette. Best Best Percheron stallion, Canadian-bred-Upper, on Romeo. Best Percheron filly, one year, Canadian-red-Upper, on Alice. Champion stallion, any Reid, Un Ppert on Vindome, Best mare, any , age -1 and 2 Lane: 3, Upper. Best two animals rom one mare-1, Upper ; 2, Reid. Stallion and our maros- 1, Lane; ${ }^{2}$, Upper.
The specials in draft classes were keenly condested. Van Horne won the challenge cup with cup for the best draft female for Colquhoun \& Beattie. Van Horne also won first on heavyand were placed. 1, Elton Municipality ; 2, Geo. Lane; 3, Oakland Municipality Drafters not pure-bred and light horses made a
ood exhibit, and keen interest was shown in good
them.

## As in all Western fairs, Shorthorns were the

 strongest class of cattle, three Western breeders Captain Rohson, he tondon Ont was judge. Shenstone Albino, owned by Carpenter \& Ross, was made senior and grand champion, beating xor Prince, the Winnipeg champion. Gloucester's Wis., was junior champion. Dale's Gift 2nd, Carenter \& Ross’ grand two-year-old, was senior was junior female, while Van Horne's Roan Queen nentioned R Caswell won many prizes. entioned, R. Caswell won many prizes fine animals exhibited by L. O. Clifford, of Oshawa, Ont.; J. A. Chapman, of Hayfield; and Geo. H. Gray, Austin, Man. Clifford's bull, Re-finer, was made senior champion. Clifford also won junior and senior champion female prizes. The other prizes were well divided. Aherdeen-Angus.-J. D. McGregor, Brandon, hibitors. The prizes were well divided, each exIn the dairy cattle, three pure breeds and many rades were out. Ayrshires had but one QxIn Jerseys, B. H. Bull \& Son, of Brampton, socured the championship prizes, twelve firsts, four解的ds and three thirds; while Joseph Harper, of he Holstein competition was close, and no exhihitor had a walk-away. The exhibit of Colony Farm, Coquitlam, B. C., claimed the largest numMar of the prizes, with Homer Smith, of Bergen,
M. B. Potter, Langbank, Sask., always close competitors.
The sheep exhibit contained practically the same flocks as were present at the Winnipeg how. Two flocks of Leicesters, two of Shropshires, one of Oxfords and Dorsets, with Sufolks, hibitors, constituted a very good show. The exhibit of hogs far surpassed all former Ont.; Bownan \& McGregor, Forrest, H. S. Emmert, East Selkirk; C. W. Weaver, Deloraine Van Horne, and D. Douglas \& Sons, of Mitchell,

## Save Your Clover Seed

The problem of growing clover is one that deserious has this problem becone that, at the very moment when the value of clovers as a stock food and as $n$ soil fertilizer is universally admitted, it
has turned out that farmers find great difficulty in growing it. In Southern Ontario this year, there are whole townships where there is not a single field of really good clover. The loss en-
suing from this failure no one can estimate. The situation is so grave that the Government would ho well to have the whole matter investigated by committee composed of practical farmers and experts. Clover-growing and rural prosperity go
hand in hand. Whether this investigation takes place or not, one thing is ciearly the duty of every farmer, and that is to save what clover seed with his second crop of clover is to pasture it. Even if this crop be less than a quarter of a
crop, he will be wise to save it for seed. II he has not enough to warrant the use of the clover price of clover next year promises to be very high linary rneans.

## Our Scottish Letter.

the highland and agricultural shon of the Highland and Agricultural Soldariety' show site of the show this year was the Highland capital, Inverness, and there is no more beautiful its name from the fact that it was originally formed to improve the condition of the Highlands.
Tts subsequent develo word "Agricultural." During three fourth the its history the society has been more aricultural Its history the society has been more agricultural
than Highland, yet it has never lost touch with its original purpose, and is now, perhaps, doing fully as much for the advancement of the High lands as at many an earlier period of its history. The show is this year held under the presidency of Lord Lovat, a descendant of the famous Simon Fraser, the Lord of Lovat who lost his life and his estates for his attachment to the calse of Charles Edward, the Young Pretender, in
the '45's. The estates were arterwards restored to the Frasers when the Hanoverian dynasty was occepter by all the chiefs, as well as the people family, and the neighboring clan of the Chisthey are among the leading members this day faith in Scotland. The present Lord Lovat is a compuratively young man, and distinguished himself during the South Atrican war by raising a body of mounted infantry, known as the Lovat Scouts. They did good service in the field, and aro a live element in the British Army to-day. His experiences in that connection led Lord Lovat upon which the Boers were mounted active ponies upon which the Boers were mounted, and this led
him to seek the improvement of the native breed of Highland ponies, which have much of the sta mina of the Basuto pony on which the Boers were ate this breed and ave been laboring to perpetuday, there was an exhibit of no which closed to six brood mares of the thick, stout sort so much fancied by those who know the value of these ex-
tremely hardy animals tremely hardy animals. The championship of the
breed went to a gray stallion named Skerryvore, owned by His Majesty the King, but berry vor
IT. Munro Mackenie by the most enthusiasticic supporters of the breed. fanciers of these stout Highland ponies among size they ought to be, and this year the Boatr of the Highland Society so far humored the tw
gides by opening two classes called the "heavy " type and the for what was was called the " light" type. It was left to the judge to classify them, if he it was left to the
with an owner's with an owner's own effort in that direction. The
judge was Lord Arthur Cecil, who now the Mount Symington, Hants, in the ine extreme south of England, but has all in the extreme
eager hreeder life been an eager breeder of Highland ponies. So far as one
could judze by looking difirerence betwen them is a matter olasses, the the
dum and tweedledee dum and tweedledee. There in on real differeace. the pony is concerned, the question is very much a matter of rearing. Those bred in the outer
Isles, where the conditions of existence are harder than on the mainland, are naturally not so heavy
as those reared under more favorable auspicea as these reared under more favorable auspices on
the mainland. There is no essential difference between the real Highland ponies. There is a a dif-
ference between those which have heen crossed with the Arab or lighter Thoroughbred and those which have been kept pure. But the types then
are of necessity different, and no one who wishes to perpetuate the genuine breed will who wishes
with an Eastern shem
sire.
winnittecly, sires are scarce, but with so many mares in the country,
there should be little difficulty in securiny suffi-
cient sires cient sires to perpetuate the excellence of the breed. A typical Highland pory should be of a
dun color, with a black stripe down the line of the backhone. This sort are nroverbially hardy. One Island of Eige and the Strathonird who owns the
Isle of Ste Ske, was third in the Isle of Skye, was third in her class, and was sold
for between $£ 40$ and $\&: 50$ at the show. winy thought her the best in the thow show, Many
under 15 hey hands, a coood nespul her or therehy. The are thick, stout, short in the
leg, and have well-laid shoulders, which enable them to trot well and carry a rider in comforte
Undoubtedly, this section made a great impres. sion at the show this week. better show of the breed has rarely been seen at
the $H$ \& $\& S . S$ shows. The feature was the
triumph of triumph of the produce of Baron of Buchyvie
11263 , boot which a costly 1 litigation is pend-
ing beiore the House of Lords. He was sire of
all the four first-ppizewinhers in the stallion classes, and of the four, three are the property of
and two were bred by his present owner, William Dunlop, Dunure Mains, Ayr. He was also the sire, and Mr. Dunlop is the owner, of the firstprize two-year-old filly, which has never yet been
beaten in her class. These winning beaten in her class. These winning animals are,
Bonnie Buchlyvie, which is owned by Robert Bry don, Seaham Harbour, and at one time owned by Mr. Dunlop; Dunure, Footprint, Dunure Index and The Dunure-stallions-with Dunure Myrene, a
two-vear-old fill lions went to The Dunure, which is without doubt one of the most phenomenal yearlings ever seen
in the breed. He was bred by Messrs Rotert in the breed. He was bred by Messrs. Rotrrt16323, was Clendrie, Kirkcolm, and his dam, Carina IT.,
the
celebrated
Hiawathe 10067. The Dunure was hired by the Central Aberdeenshire Horse-breeding Society for 1913, $\mathfrak{\varepsilon}^{\mathrm{f} 10}$ Temarkable terms, 210 10s. at service, and broeding horses we have are already hired for 1913, but nothtng like this hiring of a yearling has ever before been heard of. The champion female was Stephen Mitchell's Hiawatha mare,
Bounhan Lady Pegrgie, the Cawdor Cup of 1910, and the reserve was J. P. Sleigh's first prize three-year-old mare, Moira, by Baron' frict-prize the Cawdar Cup winner of 1909. The first-prize broc mare this year was $J_{\text {I }}$. Ernest
Kerr's Cicely, by Baron's Pride own sister the noted champion at Peebles in 1906, Scottish
Crest. She also won the Cawdor Cup for which arest. She also won the Cawdor Cup, for which,
as former winners, Boquhan Lady Peggie and Moira could not compete. The reserve for that coved trophy was George Argo's fine mare
Royalette, by Royal Edward. She was first in the yeta-mare class. Dunure Myrene was firs by the youn her was first-prize yearling filly
Highland Cattle, Shorthorns, and Black-face and Cheviot sheep, were other outstanding sed
tions of this sold in comparatively few hands. ${ }^{\text {Tighand }}$ Their chief sur porters are noblemen and land-owners in the High
lands who rebor many districts sive such no other breed can, in selves. One of the best folds is that of Craif They are splendid cattle and the Argyllshire Queen, has been champion of the breed at the Highland three years in succession, certainly
unique record.
The Earl
of Southesk keen patron of this most picturesoue breed. His fold is to be found at Kinnaird Castle, Brechin, In Forfarshire. There the hardy breed find themselves under- much more salubrious surr oundings
than in their moist habitat or lands. The Southesk cattle grow to a great size, and the yearlings are usually much more forward
in condition and size than those bred in less fay Prable districts.
Blachface sheep are another striking the national gathering, Mr. Horvatson, of Glenforts, and yhorwed a mairly eclipsed all has previous efby the Irish bred ram, St. Columbia, for which
he paid the record price of $£ 250$ at the sale two years ago. He secured champion hoonors
with one of these, admittedly one of the greatest rams ever cxhisited. admittedly one of the greatest
The show Cheviot is still Elliot, Hindhope, Jedburgh. He seck of John all the leading honors, and was extremely difficult Canadt. He was first in every class but one. and breaders here are notura in Ayrshire cattle, resilts of the Maxville sale. An at the £67 5s. 5 d . for 117 Ayrshires is something $u$
 usually associated wor with the Shorthorn, and Ayr-
shire shem men until now were content to think of
them anmething very frar onf from them. Tho
prices tor cons were sury prices for cows were surely equally notevorthy,
$\mathfrak{\Sigma 1 0}$,
$£ 175, £ 160$, and $£ 150$, for Ayrshire fairly makes one's mouth water. Yorshoubt the attention now being paid to commercial value has
had a sound effect in raising the value rreod . The milk-record scheme has wrought
wonders, and there Many who were lukewarm have now become en thusiastic. An Ayrshire is a dairy cow there
fore, slluc must be chltinated forme This is must be cultivated for dairy points.
This whole philosophy of the business, and the sooner it is universally acceppted the thet
ter will it be for the breed at home, as well as In impurtant question has been raised here




year being sacrificed through being slaughtered ture has been approached The Board of Agriculauthorities admit that the situation and the wish twho supply the public with milk do not borious wo bothered with calf-rearing. It is lapossibly be less lahorious and more remuik may The calves are, therefore, sacrificed when four ct alpy ford, making an unwholesome kind sugrestich gives rise to a kind of nause make farmers and their wives and familie don servants understand how to use milk substitutes in the rearing of calves. Many of these are saving market, and prove quite satisfactory. Th would adjust the prics an of calves annuall vide something like an adequate supply of thes
again been handicapped by an outbreak of foot-and-mouth disease. Th Board of Agriculture has been extremely active in
stamping out outbreaks when they have appeared but they have hitherto quite failed to discover the source of these outbreaks. And yet the average source must be found in the countries wherein the disease is never absent. The outbreaks have al ways taken place on the eastern seaboard, where disease prevails European countries in which the contagion are to be looked for in this intercaurso seems undoubted, but no one is just quite sure ses to lay the blame in a definite way. Helpdetracts from the zeal of the Board in stamping out the disease when it appears. Prevention is
better than cure

Field Crop Competition. Midalesex North-Judge, I. B. Henderson, $\begin{array}{llll} & \text { Name. } & \text { Address. } & \text { Variety. }\end{array}$ Points. Name. Address. Variety. Points.

1. K. Munroe $\begin{array}{llll}\text { 1. K. Munroe } & \text { Glanworth } & \text { White Jewel } & 77, \\ \text { 2. Geo. Riddell } & \text { Wilton Grove } & \text { Banner } & 76 \\ \text { 3. H. Wilson } & \text { Wilton Growe } & \text { White Jewel } & 72 \frac{1}{3}\end{array}$ 4. R. H. Harding Thorndale
2. Wedish Giant
H. P. Tanton


Dr. Rutherford Eschews Politics Some of our readers may have been surprised
observe in a recent issue of a prominent news paper a portrait of Dr.J. G. Rrutherford news
recently of Agriculture), accompanied by an item Minister of the was to enter politics in Alberta as leader
Ingusition to the siito Inquiry by "The Farmer's Advocate" has elicited port that he intends on enter politics of the re-
the Federal ayes
tember ancultural service, however. on Sep-

## Up Goes Milk

In consequence of short pastures and expensive
cow-feeding, increasing the cost of production milk has been advanced to nine cents for the cents retail, the wholesale prices being one cent
lower in each case. -

The Crop-reporting Board of the Bureau of Sta culture estimates, from the reportment of Agrirespondents and agents of the Bureau, that the 89.1 per cent. of a normal, on July 25 th was 88.2 on June 25th, 1911; 75.5 on July 25 th,
1910 ; 71.2 on July 25th, 1909 , and 79.4 the

Dominion Sugar Co, with factory director of the Onture of beet sugar at Wallaceburg and Berlin,

## algest 10, 1911

Dates of Fall Fairs, Ontario, 1911. Following is a corrected list of Ontario
fall fairs for 1911, as issued by the Arri fall fairs for 1911, as issued by the Agri-
cultural Sogieties Branch of the Ontario
Department of Agriculture, J. Lockin Department of Agriculture,
Dilson, Superintendent:
 Almonte ..........
Alvinston.......
Amherstburg....
Ancaster.
Arnprior
Ashworth....
Astorville.....
Atwood......

Bancroft
Baarrie.....
Bayfield.
Bayfield.
Baysville
Beachburg.
Beaverton..
Belleville....
Rerwick.


Blackstock...
Bobcaygeon.
Bolton..........

Brampton
Bridgen....
Brighton.
Rrincten


:don.............

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\begin{aligned}
& \text { Carp..e. } \\
& \text { Castleton. } \\
& \text { Cayyuga }
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\begin{aligned}
& \text { Cayuga, } \\
& \text { Centrevill } \\
& \text { Charlton. }
\end{aligned}
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& \text { Elmsdal } \\
& \text { Emo...... } \\
& \text { Erino....... } \\
& \text { Essex.... }
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| $\begin{array}{ll} \text { r } \end{array}$ |  |
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advertisementh, Marnle Loage, onte, whoon


 United States. Have a very fine
young rams and ewes for sale yet. The young Shorthorn bulls are doing splen
didly. Will tell you about them later."

An interesting feature of the after-lunch programme at the thirteenth annual sale
of Lincoln rams, from the Riby Grove was the presentation to Mr. Dudding of his portrait in oils, by his fellow breed-
ers, in recognition of his fifty years work as a tenant-farmer live - stock breeder
Another presentation followed, which showed the good nature of Mr. Dudding Who, when asked to sit for his own por-
trait, made it a stipulation that Richard
Aves, the shepherd, should also sit for Aves, the shephera, should also sit for
his. Dick, in acknowledging the presen-
tation, tation, said it was his master's fiftieth
year of farming, and his own fifty-sixth year of farming, and his own fifty-sixth
year of showing, and only once during
that period had he come from the Royal Show without a first prize.

The Society of British Border Leiceste breders were to have an important ques
tion about names before them at their tion about names before them at their
annual meeting. It is proposed by the Council that where a territorial or loca
name be given to a ram, it shall be that
of his breader of his breeder, and not that of his pres-
ent owner. There can be no doubt that this is, in the main, a sound proposition,
A ram, like a "cut", of ewes or owe
temb, derives a large part of his value lambs, derives a large part of his value
from the character of the flock out of
. which he has come, and his name should
indicate the place or flock of his birth.
The question of nomenclature is a puza The question of nomenclature is a puz-
zzing one in all breed societies. The sys-
lem of local prefixes or affixes adopted in tem of local prefixes or affxes adopted in
the Shire and Hackney Societies is not
altogether happy. Some place-names are all right as parts of a name, but all are
not so, and one sympathizes with the owner of an unfortunate stallion or mare com-
pelled to bear through fife the somewhat uneuphonious title derived from the place
of its birth. Still, the Border Leicester men are on safe ground when they pro-
pose that when such names are given,
they must indicate the flock of birth rather than the accident of ownership.

> PROLIFIC DORSETS
correspondent, A. S. Forster, Halton co., Ont., writes: "Some persons rather
laugh at the idea of even Dorset Horn ewes having lambs twice a year in Can-
ada. It is a common thing in Enyland and experience proves that a few Dorset ewes will give birth to lambs twice a
year here. On the Forster Farm, at Oak year here. On the Forster Farm, at Oak
ville, Ont., a ewe lambed four times in two years, but the dates were not kept sold at Eastor and Christmas. Here are
two cases that can be proven by dates: On May 18th, 1910, a ewe had a a single
lamb, and another on November 13th Iamb, and another on November 1sth
just five days less than six months later.
This ewe droped another lamb on May This ewe dropped another lamb on May
11th, 1911, being two days less than six months from the last yeaning. This was
three lambings in seven days less than a year. There was a single lamb each time. Another Dorset ewe gave birth to
twins on November 4th, 1910, and to another pair on May 5th, 1911, being
one day over six months later. $\begin{gathered}\text { She }\end{gathered}$ raised both pairs of lambs. Other ewes
laimbed seven and eight monthe apart. lambed seven and eight month apart,
and some three times in two years. The
three ewes referred to chree ewes referred to
field flesh all the time."

## TRADE TOPICS

$\qquad$ sood clay loam soil, and on which are wo good houses, large bank barn, with ether with sevan acres of hardwood bush, is advertised for sale in this issue. This farm is situated adjoining the town oold by tenders, to be in by October 1st. sold by tenders, to be in by October 1st.
For particulars, apply to Box 105. Pres-
ton, Ont.

## I

THE CANADIAN BANK

| OF COMMERCE <br> ESTABLISHED 1867. <br> Capital paid-up, \$10,000,000 |
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MARKETS。
Toponto.
hive stock.
At West Toronto, on Monday, August
7 the, recoipte of live stock numbered 132

 $86.25 ;$
$85.90 ;$ \$5.25 to $85.40 ;$ common, $\$ 4.50$ to $\$ 5.25$


 ted and watered, and 87.40 f. o. b. cars.
REVIEW OF LAST WEEK'S MARKETS The total rocalpts of live stock at the
City and Union Stock-yards tor the past Citty and Union Stoch
week wero es followa

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| :---: | :---: | :---: |
| 59 |  |  |
|  |  |  |
| ,282 |  |  |
| Calves ......... 792 |  |  |
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| The total-receipts of live stock at the two markets for the corresponding week |  |  |
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| ttle …….. 1,193 |  |  |
| Hogs ..... ...... ${ }^{2,224}$ |  |  |
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| The combined receipts for the past week at the City and Union Stock-yards, show an increase of 270 car loads, 3,668 cat tle, 5,780 hogs, 3,780 sheep and lambs, with the corresponding week of 1910 |  |  |
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| . 1. clasges of live stock were well rep- |  |  |
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| bers. Trade tor the bat |  |  |
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| range of $\$ 5.90$ to $\$ 6.25$. Liverpool steer |  |  |
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| Butchers'.-Prime |  |  |
| ${ }_{\text {l }}^{\text {Irom }}$ s |  |  |
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| 85.25; |  |  |
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| tockers and Feeders.-Receipts light, |  |  |
| but quite equal to the demand. Stockers |  |  |
| 84.75 to 85. for steers 800 to 900 lbsMilikers and Springers.-Trade dullSor |  |  |
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| milkers, while choice early springers were |  |  |
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|  | A Savings Account in the |
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| Safe | BANK |
| and | TORONTO |
| Profitable |  |
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THE BANK OF TORONTO
Head Office: Toronto, Can. Capital, $\$ 4,000,000$ eserved Funds, $\$ 4,944,7$
Assets, $\$ 50,000,000$
Incorporated

to $\$ 4.80 ;$ lambs, native, $\$ 8.76$ to $\$ 8.90$
Western, $\$ 4.25$ to $\$ 7$.

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            Buffrlo.
Cattle-Prime stors, 38.80 to 87.25
Sutcher grades, $3 to $8.500 $o $9.
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British Cattle Markets.

At a sale of Shorthorns on July 20th,
Yrom the Holme Plierriepont hurd Noth,
tingham, England, 5 head sold for an
average, of \$405. The highest price,
$\$ 2,500$, was paid for the cow, Adroltin
\$2,500, Was paid for the cow, Adboltin
Regal Mary, purchased by Mcclymont


J. B. Hogate, of Weston, Ont., who is
ow in France, writes that he has suc
ceeded in buying one huandred haend of
high -class Percherons in that country.
TThe
These horses range in age from four
months o five years, and a number of
them weigh a ton each. Filt bead
them were shipped from. Havre on August
Gth, and are expected
bles at Weston abocout August inthe sta-
Hogate purposes showing thirty head of
these onstes at Toronto Exhibition, also
nit Otowe
at Ottawa and London. This will be an
attractive exhibit, and horsemen shew
will arrive later, along with remainng fome Clydes
fity
About two thousand dollars will bo
spent in buiding a concert hall and en
larging the class rooms and sleeping ac
commodation at Balmy Beach College
commodation at ratams and sleeping ac-
Toronto Each College in
Tore papil is to have a pri-
vate
to hysienic and homeltike living. ivh shis

a reputation which justifes the expansion
now in progress.
The colle
now in progress. The college is situated
near the lake, and away from the center
of the city, and with its pleasant sur-
roundinges.

rectress and founder of the school, who
has high ideals of womanhood, and is an
experienced educationalist, this, school has
many attractions tor young girls.
what a glory doth this world put on
Iorth nder the bright and 'glorious sky, and
looks
dutiesell weerformed, and days well
spent !


Little Trips Among the Eminent Writers


William Morris
Perhaps no name is more familia,
to the furniture-dealer or the furni-ture-buyer than thater or the furniris, chiifly because of the supposi-
tion that he was the inventor of the tion that he was the inventor of the
well-known "Morris" chair. As a matter of fact, Morris had nothing
to do with this chair, which has been given his name, merely because it was said to be designed in recognition of
his principle that everything we use
should shourd be "useful and beautiful signed the chair, the thread me dust
surely have been a slender surely have been a slender one upon
which to hang the fame of a man which to hang the fame of a man
whose influence has already affected
many of the homes of two continents many of the homes of two continents,
and is likely, in time, in its ever-
growing progress, growing progress, to creep across
every threshold where civilization reigns. Although he received his in-
spiration from the teachings of Russpiration from the teachings of Rus-
kin, Williarn Morris was practicaly the father of a school of
good taste, which has ever since good taste, which has ever since
sought to promote honesty and
beauty in commonplace things. beauty in commonplace things. His
life was devoted, in short, to the
lounding of true art in the home ounding of true art in the home, yet leeper, if less immediately evident-
an apostle who was to show by ac-
tual work the value to Rusk in had had time to advance only William Morris was the third of nine children, and was born at
Walthamstow, Fssex, England, on
March ontor March 24 th, 1834 . He appears to ty even from babyhood, for we are
told that at four years of age he was els." In his case, also, was the father of the adage, "' The child is
exemplified man,"' very strikingly of his lified. Even in the early years
while still but a very rambling about among the many old lut Norman masonry of which parts of many of them are composed, and learning to love the Medieval ages,
to which, all his life, he looked back as the golden era of England. From
these ages, at a later day, he took
matuy of the ideas which he utilized in modern design.

for."
After spending some time at the
University, he and Burne-Jones de University, he and Burne-Jones de-
cided to leave it, Burne-Jones to
enter on his career as a painter Morris to throw up his intention of taking holy orders, and become an
architect. pulsiveness, the latter at once communicated his resolution to his famsympathy, received his intimation with an outcry of indignation. "/ do not hope to be great at all in anything," he had written, " but
think I may look forward to reason able happiness in my work." Heasonhad, moreover, referred to this work as a usetul trade -insult upon in
jury ! The result of the storm was that
Morris decided to finish his course at Oxford. Before leaving it he became instrumental in founding the Oxford
and Cambridge Magazine, to which he contributed much both in prose
and verse-weird, medieval romances and verse-weird, medieval romances
for the most part, a series of pictures like mystic and gorgeous em-
broidery, filled with the glint of red "and "gold," and containing at no time, indeed, a philosopher, in
the ordinary sense of the term. He was erratic, impulsive, versatile,
positive. Things came to him by a
sort of instinct, rather than by slower process of balancing and reasoning. He was never greatly given
to probing either his own mind or
the minds of the minds of others; it was enough
for him to enjoy life, to be generous to think nothing at all of himself and much of the welfare of others; to
exult in the beauties of literature and of art, especially of that art of which
he became practically the creator During this last period at the Uni-
versity several trips to the. Continent, where they gloried in studying the grand
old cathedrals and great specimens of art in Belgium and France. The
longest of these trips was essayed, we are told, on foot, for the purpose
of minimizing expenses, Morris, with a fine delicacy, embracing poverty because his friend was poor. At Amiens,
however, he went lame. and, after gally attempting to continue the
journey in carpet slippers, was com-
pelled to urge that the way to Chartres be completed in the ordinary
manner, but furiously contending
real good taste," but at the price, "a as far , as possible, of ordinary those mentioned, and, of course, Rossetti and Burne-Jones ; Morris, hav ing more money and time than the Thas appoy manage The experiment soon proved, how-
ever, that to Morris, at least, it was by no means to present the face of a joke. With his passion for beauty than the others-who more clearly terested in purely pictorial art-the ugliness in the homes and lives of the people, and recognized in this
"shop "an opportunity for warfare agairst it. He had found his work. He would create in the people a taste ior the beautiful, and then
strive to satisfy that taste by tually manufacturing those thinge which must appeal to it. Incidentalcame embodied the with this ideal, beprinciple of which he was to become Mural decoration glass, metal work, furniture, em broidery, stamped leather, tiles, car-
pets, wall-papers and tapestries, wer all to be designed at this "shop, which, almost from the beginning,
proved a financial success, ily developed into an extensive manufacturing establishment. Its popularity was, in fact, assured from the
great exhibition of 1862 great exhibition of 1862 , at which
several examples shown, " at the cost," as Faulkner wrote, "of more swearing and tribulation to Topsy than three exthe result that medals were but with the Morris Company in almost every department.
The designs for everything produced were made thy the members of the
company, and were exclusive of their whind, created to suit the rooms in Everything was constructed for real beauty and durability, not merely might a superficial quality which however, was the saly one thorris, who took actual part in the handi-
work of the establishment. His trenim to be idle, and when not permit drawing or painting designs, it was his habit to plunge into any worl paramount in his mind moment paramount in his mind. He made
himself. in fact, master of every craft (save designing for stained glass, Burne-Jones) chiefly to Rossetti and fablishment. Interest in the work indeed, became an obsession with the looms exultantly to be found at new pattern at five o'clock out a morning. It is told of him, also,
that he was quite in the habit, of presenting himself at any hour at the awry, and wearing his workman blouse steeped in indigo, but with a face full of the most cheerful selfOut of this enjoyment in there grew his message, THAT THE TRUE SECRET S WORK IS HAPPINESS. This creed he preached ture, at every pamphlet, and by lecrure, at every opportunity, for the
Men should pride in their work Men should take best of its kind; they should only labor at that in which they can find
cominee! to certain classes, but

THE FARMER'S ADVOCATE
and every workman an artist. Mafar as advisable for the individual by hand-work. Men's hands should
ever be guided by their brains, and every article for clothing or house hold furnishing should be an expression of the personality of the man
who made it. "Piece-work", he did not favor. It was, he thought with Ruskin, a workman's right to sze an article grow into. completion under his,
own hands, and it should be his joy to own hands, and it should be his joy to
recognize it, in some way, as an expression of himself
things, the workman should be honest. Veneered furniture, cheap, ma-chine-made designs plastered in un-
adulterated ugliness upon plain surfaces, which might otherwise have possessed at least the virtue of digMity, were an especial abhorrence to perhaps, more for their effect upon perhaps, more for their effect upon
the men who made them than upon those who bought and used them. tolerate in his mills. They were to him "dishonest," and ruinous to art, so he used, instead, soft vege-
table colorings which could not look ugly, even when faded. Honesty, that he preached, both by word and by example, in the hings that left the exponent of such an absolute severity as has been popularly asdesigns for wall-papers, etc., have although for no lack of beaut Hearty manual labor, thus invested with individual interest, was to Morand in short, the most interesting No such labor could be to him dull. He felt this and acted it, and to this attitude, no doubt, may be attributed
much of the success of his manufactories. Merely to be with him was an inspiration which brought out the best efforts of his employees. He be-
lieved, too, in giving workrnen nt homes, and working hours sho enough to leave time and inclination for recreation and mental improve-
ment, and proved that his belief was no mere sentiment by removing his mills, just as soon as the business ant situation on the banks poas Wandle, where there was " water fit to dye with," a walled garden with flowers, and cottages where his em-
ployees might breathe good fresh air. Toward the beathe good fresh air became involved somewhat in So cialist movement that brought him little happiness. The non-produc-
tiveness of the upper classes pe could not understand. as little wid understand the readiness with which so many of the laboring classes toi that a succeeding leisure may torated joyed. The Socialist platiorm, al ways so reasonable in theory, so difficult to work out in practice, ap
pealed to him. He felt that, under different social conditions, mankind as a whole, should be happier, and
that an age might come in which art might continually be associated wit handicraft. Throwing himself with
all the fervor of his nature into the movement, he lectured, and wrote
pamphlets, and on " Bloody suit pamphlets, and on Bloody Suncontingents to Trafalgar Square. But he found himself preaching, as a rule. to those who could not understanc
his ideals-neither those above him in the social scale, nor yet those below -and so he was glad enough to go back once more to his quaintlymills and his writings, his poems and his translations from the Icelandic Sagas. During his later years he be came much interested in beauty of publishing house-for he had now become a publisher, also-many beautifletterings, very similar to those how adopted by the Roycrofters,
which have, indeed, been modelled upon them
Morris died at his city home in
October, 1896, and never, perhaps,
$\qquad$ and strong oak coffin, with iron handles wrought by his own workmen, and
covered by a pall of rich Anatolian velvet from his own collection. From
the station to the church, it was conveyed, as he had wished, in an open cheery red which he loved, and drape with vines and alder and bulrushes. Along the way, the farmers of the neighborhood joined with the work-
men from the mills to pay the last men from the mills to pay the last Morris had the satisfaction before he died of seeing his ideas establish themselves at least in England, and
the hope of their ultimate extension through the Arts and Crafts societies which he was instrumental in establishing. To-day, were he alive
he might be glad to see the influence he might be glad to see the influence
of the Arts and Crafts guilds pene trating almost every part of the civi-

$$
\begin{aligned}
& \text { lized world. } \\
& \text { But Morris exercised a still greater. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { But Morris exercised a still greater. } \\
& \text { if less evident, influence, which may } \\
& \text { not be so easily measured. }
\end{aligned}
$$

Hope's Ouiet Hour

What is That to Thee
Lord, and what shall this man do ? Me."一(From S. John XXI.). That God, by Coxult May-doth, I will believe-ways occult All wanderers to a single track back God's care for me no mo more
$\qquad$
No mere mote's breadth but teems in No mere
mense
With witnessing With witnessings of providence: Upon that record the sole look Unsealed to me, I take no heed y warning that I read!"'
$\qquad$ St. Peter had been told something od's plans for himself, had receiv
oom his Master the assurance the


Beauty Spots of Canada
philosophy of pleasure in work, his efforts to impress upon mankind that
here may be happiness in work; that n all handiwork there may be, should be, beauty and honesty and dignity,
have not died with him. The mes-
sage still goes forth. impressing its sage still goes forth, impressing its
sanity upon many who have hither to blindly regarded work as a curse rom Eden, a thing to be endured where it takes hold it instils a new interest and purpose in life. Per-
haps. too, some day his haps, too, some day his conception humble workers as an everyday oc currence and for every day's enjoy
ment," shall obitain. Then indeed ment," shall obtain. Then indeed
may all men remember William May



 north, three on the south and three the
the westthe west-gates which are flung wide
open always.-Rev. XXI.: 25 . " Lord, and what shall this man do not think as we do, yet who who does be a follower of our Master. And the answer is decided chat to thee? Follow thou Me." "What is God is speaking to us daily, and our
business is to follow in the pater business is to follow in the path He has
marked out. Is it probable, or poscible, that He is forgetting to guide and
warn that other person who dear to His heart? When I thear sermon that comes as a message from God to me, will He be satisfied if I say: hope Miss Z was listening, that ser In Browning"s "Christmas Eve" is de scribed a man who is trying to cling to the garment of christ and at the same separate him from his fellows. The rai drives him to take shelter in a little chapel where the congregation and th fers the rain to the company, and goes
away in disgust. Then Christ is vealed standing on the pathway, and he
understands that the "two or understands that the "two or three
kathered together in His Name", could
not fail to have Him in the midst of
"'Certainly He was there with them !" is his first joyful thought. Then comes
the dismayed conviction: 'It it cannot be
That Thou, indeed, art leaving meClinging to the hem of the Saviour' robe he is carried from one place of wor-
ship to another, and even into ture-room, where a professor declares
that the story of the first Christmas is a myth, and yet tells his pupils to "go
home and venerate the myth."
It is right to make our religion It is right to make our religion an
intensely personal thing, to realize that
everything that comes to us each day is ,rovidential- .. so viewed o mere mote's breadth but teems imWith $\begin{gathered}\text { mitnsessings of providence." }\end{gathered}$ Yes, but God has His secret dealings
with other souls. interfere, but must stand aside reverent-
ly while He gives to that other friend of His a shining jewel, inscribed with a mysterious message which we are not
able to read.-Rev. II.: 17 .
Perthaps we look down on someone, with pity which is stained womeone, with con-
tempt, because we feel that he is ignormpt, because we feel that he is ignor-
Yet our Master sternrebuked the selt-satisfied Pharisee,
hile He tenderly instructed the ignor-
 athsome in His sight that sins of the
and ready to give up the disheartened
Simply because he thought that he only
Was faithful to God in the midst of a
Godless people. He did any other faithful servants of the Lord
God of Hosts-but God knew personally each one of the seven thousand in
Israel, all the knees Israel, all the knees which has never ner
bowed unto Baal and every mouth which had not kissed him. every mouth In all ages there are a few prophets.
who can be easily distinguished from the who can be easily distinguished from the
crowd. Like Elijah they are very jeal-
ous or God's honer may become discouraged by fancying
that like him they that they have to stand alone. But the
Lord knoweth them that are His He smiles down into eager eyes upturned to Him, in grand mansions and in common-
place houses. place houses. He touches the hand of
a farmer who is busy with and makes the heart of a mill-girl throb and makes the heart of a mill-girl throb
with sudden gladness by the music of
His still small voice in har heart His still small voice in her heart.
Never speak or think Never speak or think as though you
were the unly person who cared about you only about neifhhor-who talks to -can speak to God about greater mat-

AUGUST 10, 1911 ar oftener than you imagine andidate for the ministry was esperial
y distinu ished for his bodily strengut and a con
"Godlinesss." man from whom great things were expected, because of had to give up his
broke down and had to
work; and the man who was expected to work; and the man who was expected to be a great power disgraced and openly disWe are afraid that another man may not find Christ; and, instead of trust-
ing the Master in His dealings with that other person and being careflul to follow
Him ourselves, we become careless and Hiom ourselves, in our prayers, selfish in our
sloily lives, covetous or worldly in our daily lives, covetous or worldly in our
aims. Why? Because we are so com-
fortably satisfied that we are on the right road and are quite safe.
We pride ourselves on our "orthodoxy," perhaps, forgetting that "oteve, as the
man look especially to "Love
great proop of Godliness. God is Love, and one who does not share to some
extent in the Spirit of Christ can be extent in the Spirit of Christ can be
none of His. Our prayers may be el-
Oquent and beautifully worded, yet the oquent and beautifully worded, yet they
may fail to carry a single desire to God's heart.
We may find fault with one person for selfishness, with another for concelt, with.
another for a bad temper, with another for worldliness or covetousness. Is it
any business of ours to judge one who any business of ours to judge one who
is the servant of Another. To his own
Master he standeth or falleth. Let us come to the Good Physican for the healing of our own leprosy of sin, before we
dare to draw away in loathing from another's sores.
" But So-and-so is dishonest and untruthful,", we say. Let us mark well
our Lord's answer: "What is that to Are we following Him? He pleased not Himself, but went about doing good.
He cheered the sorrowful, strengthened the weak, lived a life of spotless holiness and died praying for those who
hated Him. How ashamed we must miration, our struggles after earthly advantages, our vexation over trifling annoyances, our anger at the smallest
affront, our impatience when we have any pain to endure. It is so easy to and fault with other people, it is so
difficult to follow in the steps of ourselves. There are many gates opening can be trusted to lead His own children safely home
My Father's house has many rooms, And each is fair:
And some are reached through gathered By silent stair
But He keeps house and makes it home dora Farncomb

## lihe Beaver Circle.

OUR SENIOR BEAVERS

Dolly Bly's Mean Trick "You're a bauty, Dolly nly, a rog The
heauty thats what youre!
oretty bay mare conked an ear knowingly It the speaker, a stout boy of firteen. Continued the boy, caressing the glossy neck. "It's a dreadtul pity, Freem!" Freeman Baker looked at the handsome bay with all the criticul whe is
born horseman. "I don't know that it is, we never should have owned her it she d been all
tight. The price would have been beyond right.
father." "I guess that's right, Freem," said the
younger boy, slowly. "I know it is. There's good blood in that mare. We needre mined what is
failing, now that weve learres is. Rut wasn't father surprised -weren't
we all surprised, the frist time she pulled "e all surprised, the inst lime it," said David. "T'd heard of "puller" before, and
thought I'd seen some. but I found

THE FARMER'S ADVOCATE


A Safe Refuge.
past there, and there'll be time. Can' you go, too, Freem?"
"Take a day off and go il you like, Freem," said his father. "(Get be the bef," said Freeman, brielly. Devil's Wen lay wild and rugged in the August sun. It was a lonely enough
place, with. no human habitation within place, with no human habitation within
several miles.. The Wen was a moderate ly steep hill, covered with scrub-pine and
'silver-pop,' and forming à part of a vast silver-pop, and forming a part of a vast
reach of wild country stretching back well reach of wild country stretching back well
toward the Canada line. Here and there toward the canada hine. Here and there and ripened to perfection; but by far the
greater part of the whole section was greater part of the whole section was
covered with thin soil, through which "hardheads" and ledge rock cropped up plentifully. and ledge rock cropped up

Curned into the narrow, grass-prown cross into the river road some miles beyond. Safely stowed in the body of the demo-
crat were two clean bags of fine seed wheat, as also the lunch-basket and a bag of provender for the mare. "There's the Wen!"" cried David, sud
denly pointing.
"We'll get a lot of ber ries, Froem. The weather has been jus "I don't like the looks of that fellow aid his brother, irrelevently. David turned in surprise. "Who? Oh that fellow we passed just as we took
the cross-road? He did look at us the cross-road
pretty sharp."
Not at us," said Freeman. "But he if he didn't have an evil eye, I hope I'll
if never see one: Dave, sometimes I almost wish Dolly weren't quite so handsome. "Pshaw!" said the boy, regarding the
are complacently. "I don't, then. I s'pose you're thinking of horse-thieves. sone take any stock in what we hear
don't about them; it's always away off some where." He spoke with youthful
surance. "Not so far ofr as it might be just
now" said his more thoughtful brother. now," said his more thoughtful brother. "Twice in this county and two or three times in Broome-that's the last report.
There's truth in it, too, for the county has offered two hundred and fifty dollars for Trawney-he's the head man-or for information that shall lead to his cap-
ture; and they say a wealthy stock-owner ture; and they Bay a wealthy stock-owner
in Broome, who lost a fine horse, has orfered to duplicate the reward to anyone who shall actually deliver the fellow-
'Trawney Joe' they call him-over to the authorities. Hoe' they call him-over to the
picture is in the "If they've done all that, there may be omething in it," said David, somewhat mpressed by his brother's earnestness.
"I' shan't turn Dolly out to pasture any more nights, and-there's a good place to top, Dave, by those scrub-birches. There e berries beyond.
David, who was driving, turned from he road and soon drew up at the place indicated. The boys ate their lunch eisurely, while the mare stood hitched to She was never tied, for she
tould not try to run away when harnessed to anything. The berries were fine that day on the con, and the young fellows were soon They picked steadlly for perhaps an hour, and had nearly filled their pails, when David moved over toward his brother and said, uneasily: "It seems to me Dolly
acts curiously, Freem. She has quit


Beauty Spots of Canada.


AUGUST 10, 1911
 sond our ecleration was postponed until
ane first Friday in June.
That day we all brought a feve extra
gooties in our dinners. as we were to have diners togegher. Some or the little
our diners.
brothers and sisters who had not yet started to school, and one girl who had quite school, also came, we had schoo
until hall-past eleven, whon the Fourthclass giris who were to act a a waiters
went out to prepare the dinner, and the went out out prepare the dirner, and th
others startod to practice some songs to the arternoon. Wo had lemonade, candy dianer.
After dinnee some of the scholars were
appointed to clear away things, and the appointed to cloar away things, and the
rest played Juacob and Rachel until we Some of the subiects begoken on were "The . Flas,"" "The Coronation," "The
Navy," "The Colonies," otc., Wishing the Circle orory success; good-bye. Maple Grore, On

Doar Puek and Boavers, -I have writon ould not mind mo writing to you agai I am going to tell you about a caller on the verande reading I had my caller When I was doeply interested in tho poem Miliar humming, which I know wea Whiring of anmming-bird's wings. almoat as soon as it was heard
 honey-seeker. It was very evident that he resented my presence, but I stubbornly refued to withdraw, setling mysolf, in-
getead, in a position in which $I$ could watch his movements to the best advan-
 also spectal favorites of his. Soon ho
was on the wing again, and this time advenced from the other gide of the wire netting on which the vines were climbing, but the leaty screen was too thick for even his liny and efter darting back and forth past me several times, he decided trumpets ho went and buried his long bill him, making his green feathers glow with serange metallic lustre. He stayed for nod of acknowledgment, he was away, the lawn. It was my good fortune an other season to see the nest of a pair of hese smallest bird neighbors. The size and was woven with a compactness and matues enal human inventor ora no Well, as my letter is getting long, must close, wishing the Circle ever suc-
cess.
WINNIE HARPER (age 13). Warvick, ont.
1think this composition is very well Beaver Circle Notes. Veronica Farrell (age 8 , Sr. Third
or), Linwood, Ont, would
like some Book), Linwood, Ont., would like some
of the Beaver girls ${ }^{\text {to }}$ correspond with her. some of the Third Book Beavers are
torgetting to forgeting to state whene
Junior or Senior class.

A Thought for the Week It is just as easy to go through life
looking for the good and the beautiful, nstead of the ugly; for the noble, in-
tead of the ignoble; for the bright and stead of the ignoble; the dark and gloomy;
cheerful, instead of the del
 see the bright side instead of the dark
(ide. To set your tace alwys toward
to to see
 ane suss the shadows, and tit makes all the
difference in your charcter between conent and discontent. between happiness and misery, and in yeur twe surcess
irosperity and aversity, between sucess
and failure. Orison Swet Murden.

## The Ingle Nook




" There are men whose lives have been
 "July and Currants". which appeared in
an issue of the New York Independent. Perhaps it is true; perhapp it it only a
bit of the poetical license with which the disciples of Thoreau, the men who find brooks, love to embellish theit running tatooks, ove to embeliish their interpre
tations, of Nature. At all events it sets


Section of Table Mat
frst of the aseiduity with which these morkser with nabluarty production a papply
themelves to their
poll-appointed work of coaxing and tricking Nature into wurpassing hersell; then of the interest, to the aboorption of self,-the spirit, perhaps, of service, - Which characterizes such
workers. $A$ man may devote his life to making a model ourrant, - - eedless to say
he he is overwhemingly absorbed in the
task; needless to say, also, that he hopes to beneft a million homes in so
doing. A million tables supplied with diong. A million tables supplied with
the cooling, retroshing truit during the
hot sultry dafg


Table Mat.
vided with a new demand which may d.c. double crochet two threads over mean to them not currants onts perhaps the 4 tasten in ring with s.c.; repeat until
 so Burbank originates his curious truits, a flower 1 the been seen. AAk him what means the Chinese proverb, "n byou have
loaves sell one and buy a 1 liy," He understands, and so do many others who
have looked into the dep the of his marvellous hybrid gladioli i Not long ago an astute observer of
college men and college lite affrrmed that
 old world, ns these students, with their
broadened ideaso of things. go out oroad-
cast. not solely to rake gold into coners Cast, not solely to rake gold into cofirers
-ath hough they will expect adequate pay tor their services-but with the primary
object of being of use to their fellow$\frac{\text { men ! }}{\text { There are many " }}$ model currants" to be evolved from this world's chaos, and
the task is not all to the college man, whose disposition tor service is, it is is to
be hoped, but an expresaion of more be hoped, but an expression of a more
universal tendency heralding
a universal tendency heralding ${ }^{\text {a }}$ " "good
time coming." and coming
Whetherly. Whether the " "model currant," be the re re
deeming of a field. or the training of deeming of a fild, or the training of a
child or the aetual evolution of a now
production tren production from the bosom of the earth,
what are the neesary oualifation
success ?
Imagination success ${ }^{\text {a }}$ Imagination, calculation,
logical ${ }^{\text {grasp }}$ of cause and effect, $p a$ logical grasp of cause and effect, pa-
titene, a warm heart, a boundess unsel
fihness
 largely the power for concentration and
hard work Does this all sound preachery? Well,
you know, I don't want to be preach-
 orten I jumt tell you things that I have
tearned or realized through my own fail Iearned or realized through my wn thail
ures and my own shortcomings. It there is a lesson or a spar in them for me m.
there may be for you also.

Table Mats
Dear Dame Durden,-Could you please send me, through your valuable paper,
a pattern for making crocheted dinner apatern for making crocheted dinner
mats orey They are an oblong shape, with
a tight crochated center and then a dill a tight crocheted center, and then a di
ferent pattern around the outaide. You also opote of a valuable book in last
weok's .Advocate," vize: The Corticelli week's "Advocate," viz.: The Corticill
Home Needlework Booklot.
Could Home Needlework Booklet. Could you
kindly tell mq wher I I oould obtain such a book, and alsore the price? Hoping
am not bothering you too much am not bothering you too much, and
would like to see the above pattern pub lished as soon ast possible.
York Co.,
Ont
I hopo., amaten.
suit you. the accompanying pattern wil
 Use No. Irwin, of this city, as follows
D. M. C. cotton and a sted $\underset{\substack{\text { crochet hook medium size, working with } \\ \mathrm{a} \text { firm even stitch. } \\ \text { Ch. ming }}}{\text { chain }}$

俍 Make thre more setions exactly like

A IVOCATE

## neente pral. ple by

poction thread at rifhthenand side where is nd a s.c. in each s.c. until you have treen; repeat all round; next row you wo s.c. each row and increase the numser of loops of four ch. until you have One mat this size two with 15 si and ne 13 s.c. makes a set that will be uisha very usertul or placing under hot ance of the dinner table. The address for the Corticelli Home eedlework book is : "The Corticelli Sillk Walnut Wafers -

Dear Dem Durden, We have lone been enders of "The Farmer's Advocate", and
nd it as much, help in the bouse as the men do on the land. Have tried sevcotonade hammock is fine, so light and ary to handlo and put up. When wo nd paste in a book. The Brooklin Bisecuit, Banbury Tarts and Ribbon Cako are all ine. They were given at differtory of the willow pattern on dibbees was Very interasting, as wo have somo
of them. Can you toll us the story of hhe Watteau patern and the Pomeranle
Sotern on dishes ? Should be so glad
sill them too. send recipe for walnut walers :3 cups sond roled ocipe for for wainut waugarers: 1 cuga, powder. Mix all together and form ino' wafers with the angers and bake in a hot oven, on a greased tin.
Here is a a aplendidd recipe
 sugar, 6 lemons. Chop tomatoes inn: silice lemons, remove seeds, chop Ano and until thick. How many of the readers have ever
written Lankshire Lasa ? Was so ploased with her reply to my letter, and ehe seams very grateful for picture poost The crochet patterns are oo nice. The Irish crochet Jabot is quito oasy and Itwo pretty when made. I have made
Hero them since the pattorn was given. Here is another new wrinkle: : When
making icing, put 4 tablespoons syrup in a teacup, stir in in enough icing sumar to
akes utit thick, and flavor; sproad over make it thick, and ongovering sugrogar to over
the cake. This will not be sticky or Blue Bonnett, I spent two hours yes-
lerday arternoon in the city library look ing through books on china, porcelain,
and pottery, and I could not find $a$ single reference to either
Pomeranian
patterns. course, was a French artist, and I sup-

 it sou would describe each of these pat-
lerns so that I can try again. Or perhars some of our readers already know
 through the books yesterday attornoon,
that every one of you could have acceas Chat every one of you could have accese
to a really good library. what a bless-
 thould never give up the struggle to have such a one in my vicinity,-not a library tion should have its place-but one with Ilustrated books on flowers, and birds, and butterfies, and mothe, and beetles,
and fies, and fonti, and far-distant countries, and artists and their work, and
ceramics, and arts and crafte, and famous

 fine library in London, so it any of vory ne library in London, go it any of you
ever want advice in regard to bookg which you would dile to buar, eother for
your own private library or for your own private library or tor a dig
trict one, I shall be delighted to help trict one, I shall be delighted to help
you out as well as I can. It would only be a delight to , go down to our
library and "rummage" for you, at any time.

Buffalo Moths.
Could you please give me information,
through the columns of your paper. of

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Dear Dame Durcipes. Would you kindly
print in your valuable paper tested reprint in your valuable paper tested re
cipes for the following: : Bluebery wine, marble cake and meat pie fin enclos
ing two recipes which I think are vers

## good

 butter, 11 b. sugar, 6 eggs, 1 cup mil taste. Bake about $1 \ddagger$ hour Suat Dressing: :- Beat 4 eggs very separate cup 2 level teaspoons each mustard and salt, 3 level tablespoons sugar pinch Cayenne pepper. Fill cup up with
vinegariz stir null well together. and add slowly to frrst part, then put in 2 table spoons melted butter. Cook until as
thick as custard. stirring all the time. thick as custard, stirring all the time
Do not let it boil. Blueberry Wine :-To 1 peck of the ber-
ries take $2 t$, ries take $2 \pm$ gals. water, $\ddagger$ Ib. sugar,
pint hop yeast or or its equivalent. First bruise the berries, then add the water
and boil until the berries are sort enough to extract all the juice. Strain through a thin bag, add the sugar and
yeast while the liquid is still warm Set yeast while the liquid is still warm. Set
in a warm place for 10 days to terment, then cork tightly, and yet star-
for 3 months betore attemptiny to draw tor 3 months before attempting to draw
it off and put into bottles.
The same method may be used for black elderber-
ties Marb ter, \& cup sugar beaten together to a
cream; add Cream; add $\frac{1}{}$ cup sweet milk, the beaten
whites of 2 eggs, and 1 cup four which has been sifted 1 teappoon baking powder. Beat quickly. Dark part--5 cup butter and ${ }^{\ddagger}$ cup brown sugar
creamed together, $\ddagger$ cup molasses, $\ddagger$ cup creamed
milk, yolks of of
2 of ground coloves cinnamon, sutmeg and
mace, $1 t$ cups flour mace, $1 \ddagger$ cups four, $t$ teaspoon soda
mixed with the molasses, $1 \&$ coups flour. Drop the light and dark in alternate spontuls into a well-greased loaf tin,
and bake in a maderate and bake in a moderate oven. This cake,
will keep well in a cool plece. will keep well in a cool place.
Beerstenk Pie $:=1$ lo. beesteak, from
the round (any scrapy beat dessertspoon flour, pepper and salt.
the meat in strips about the meat in strips about 1 inch wide
no ind
nour. penper tong , mix together the
 bit of fat in the center. Fill up the
piedish with these rolls. and pur piedis with these rolls, and pour in as
much wher has will come hall-way up
the dish
 the flour and salt; make a stifif dourh with cold anater and work a it till dough
smooth, then roll it smooth, then roll it out on a quared
board to be not quite Spread over it half the lard and butter,
double it up, roll out again: spread the other halp of the shortening, double
it and roll out again; then three and roll out again, making three
rolls altogether. Now wet the rimen the piedish, cut off a strip of paste and
lay around the rim. lay around the rim; wet that again and
put on the top crust. Mark around put on the top crust. Mark around
pretily with a knife, and make a hole
in the center to let out the steam Brush over the pie with water or egg.
and bake $1 \frac{1}{2}$ hours in an oven every and bake $1 \frac{1}{t}$ hours in an oven, very
quick at first, then of only moderate
heat. This makes a pie with a crust resembling pulf-paste.
An Easier Pie :-Cut $\frac{1 b}{\text { a }}$. lean beef in which a dessertspoon of dipping is smok-
ing hot. Let them sear on all and add a sliced onion. Next shake in
1 tablespoonful of flour and 1 tablespoonful of flour and brown it
also. Now add 1 quart cold water, tablespoon vinegar, pepper and salt to
taste, and simmer for nearly 2 hours. You may add bits of carrot, potato, a
sage leaf and a little more water if you choose. Finally put on a top crust
made like short biscuit dough and bake. As the dough may soak up some of the
gravy, add a little hot water to stew before putting on the top. A the
nice way is nice way is to make biscuits separately
instead of putting the instead of putting the dough on as a
top. When serving, split the bisculs ap. When serving, split the biscuits
and place them on a platter, then pour
the stew over the stew over. A very good pastry either for biscuits A very good pastry either for biscuits
or for the top of the pie is made as
follows: Rub 1 dessertspoon (heaped) into 2 cups flour until butter it is Most women start on a moment's
like fine breadcrumber and like fine breadcrumbs; add until it is book, but some extend the good work. salt and 1 teaspoon baking powder, mix- making also biograph books, atc., and


is appreciated by the house-wife on account of the delicate flavor and aroma it gives to all dishes with which it is used. It also makes them more nourishing and is a great aid to digestion.

## GOITRE CURED  <br> GOITRE SURE CURE 

Superfluous Hair $=v=2=$

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## ${ }_{A}^{\text {A Residential School for } \mathrm{G}}$

 Geautirul and healthy locatGeneral course of study
ary to 2nd year Collegiate ary to 2nd yearse Collegiate.
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Physical Culture and Expression
mestic Science, Dress Desigt
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THE FARMER'S ADVOCATE

rHE FAAKMEK'S ADVOCATE

$\qquad$
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$\qquad$
$\qquad$ came on, she realized that she could n from suffering. She had therefore put
her pride in her pocket, so to speak,
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$\square$ quite as she had done formerly when a
the barn. Apparently she was ready t
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Registered Seed Wheat for Sale
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Peace Treaties Signed.
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THE WORLD'S BEST Cream Separator
is bound to be simplest and have the greatest skimming force. Simplicity
means durability, ease of cleaning, superior cream. Greatest skimming force means cleanest skimming, most butter.
The only simple separator is the
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MAKE YOUR OWN TILE
une man can make 300 te 600
berfect tule a day with our Farmers' Cement Tile Machine
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and o nch tile. Our Waterproof FLEXIBLE CASING
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pense. Write today for illustrated catalogue.
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 For "Show" Animals =and Calll's Molasses Meal

will give your stock sound digestion, round them out, make them clear-eyed, sleek, prize-looking. It is a health-food, a fatten-

ing-food, a show-food, containing over 80 per cent Molasses-but no beet sugar refuse or drugs. A high-quality food, yet an economical one. Write us for pointers on feeding

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$\mathrm{W}^{\mathrm{E} \text { want to get in touch with }} \begin{gathered}\text { atew good husting men } \\ \text { and }\end{gathered}$ whow waod hasting men
who
want to earn from $\$ 15$ to $\$_{220}$ a day from a small in-
vestment. Cuting BUCKEYE ditches is a
good staple business that can be worked from nine to ten months o
the year.
Ditcheses cut with the

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 yourself at the average price paid for ditch
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1000 ISLANDS Montrall, Qubbece and Smeguceayy Rivicer Stianerr urorovion and kiva-
 Louw ronnd trip ratese inctuduing meals
 h. FOSTER ChAFFEE, A. G. P.A. Toronto, Ontario

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## IDEAL GASOLINE ENGINES

Baron's Best, and the Clasgow priz horse, Baron Bute, he being sired by the invincible Baron's Pride, dam by the great
Rosemount.
Ho

is Baron Mac, $a$ right | smooth, well-coupled $\begin{array}{c}\text { colt of of quallty; a } \\ \text { coming show horse. } \\ \text { Prince of Lonsdale }\end{array}$ |
| :--- | (imp.) is a bay two-yearolod, by By Blacon Sensation, dam by Lord Lonsdale, gran-

dam by Darnley's Hero. Theee aro groat Slod lines tor size and character, and
bis colt has them both. Ho will make
ther
 Gray (Imp.), by the Kirkeubright prize
and goocd breeding horse, Iron Duke, dam by Lothian Again. This is one of the
blanty of size full of che acter, and on a taultess bottom; a com




 and among them are several show allies,
notably the cwo yaracold, Alve Mary, by
no Baden Powell. dam by Baron Mitchel
She is a hightiass fily of ruality. Flor
Se teel is a bay yearling by lron Duke,
dam by Koh- Noorl This ono will take
dome beating noxt winter. (;allaway Meg
 tilly. All the two year-olds aro, in toall
le sure to see this lot of stallions and
filies.
 We par perpor. Coror yarn sells for thirty cents by the great champion, Benedict, dam by the good breeding horse, Drumlaway
This horse is one of the immensely flashy
kind, not too big, but nice, smooth an kind, not too big, but nice, smo. Golden
natty, with quality to spare. by the noted prize horse, Golden Pride
dam by the Highland and Agricultura
Society Society first-prize horse, Darnley's Last.
Golden Pride, the sire of this colt, is a full brother to the champion, Benedict,
thus he combines the best blood of th breed, and is a right royal colt of great
size, full of character, and has quality galore. He was second at Guelph last beat in the world. Earl of Dunraggit
(imp.) is a bay two-year-old, by the phin, and dam by the great Baron's Pride, grandam by the Glasgow winner This colt will make a ton horse easily, and his underpinning is faultless. Ano the two great horses, the Highlan

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AUGUST 10, 1911


THE FARMER'S
QUESTIONS AND ANSWERS,


Union Horse Exchange UNION STOCK YARDS TORONTO, CANADA. The Great Wholesale and Retail Auctlon Sales of Horses, Carriages and Harnese
 J. HERBERT SMITH, Manager

Imp. Clydesdale Stallions and Fillies for Sale
 fooled or misled, but come here and convince

1. \& I. SEMPLE, Milverton, Ont., and Lu Verne, Rock Co., Minn., U. S. A. Ormsby Grange Stock Farm, Ormstown, P. Que., Canada IMPORTED GLYDE FILLIES
Owing to the rough voyage experienced by my May importation only six were offiered for sale, ang
vere sold. The balance, consisting of wo three-year-olds, one for-year-old, two two-year-olds and siz ere sold have now completely recovered condition, These, with a few home-bred ones, including two


CLYDESDALES AND PERCHERONS To all lovers of Clydesdale and Percheron horses in Canada, I wish to say that about Aus
Ist 1 will sail for Scotland and France for another shipment, and intend to bring ahigh


Mount Victoria Stock Farm, Hudson Heights, P. Q We have for service this season the Champion Imp. Clydesdale stallions Netherlea, by Pride
of Blacon. dam by Sir Everard ; also Lord Abercen, by Netherle, and the Champion manager.
T. B. MACAULAY. Prnp.
HSST
ONE
3 -year-old Clydesdale Stallion left. A well-bred colt that will make a BARBER BROS


IMPORTED CLYDESDALE FILLIES
My latest importation arrived June 6 , 1911 , ranging in ages trom 1 to 4 years, and are al
of good quality and large type. Have also a couple ot gatallions tor sale at right priced. ve also a couple of stallions tor sale at right prices.
GEORGE G. STEWART. Howlck, Que. GEORGE G. STEWART. Howick, Que. Shire Stallions and Mares, Shorthorn Cattle (bot Porter Bros., Appleby, Ont., Burlington Sta. 'Phone ABERDFEN - ANGUS WILLOW BANK STOCK FARM Will sell both sexes; fair prices. Come and see
(hem before byying.
WAITFR MAlt.
Drumbo station.
Washilition. Ont. Aberdeen-Angus Cattle $\begin{gathered}\text { Any number }{ }_{\text {females }}\end{gathered}$ GEO. DAVIS \& \& SoNs, Props. ${ }^{\text {Glengow Stork Farm, }}{ }_{\text {Alton, ont }}$ Aberdeen-Angus Cattle ${ }_{\text {and }}^{\text {and both bexes }}$ good strains, at reasonable prices. Apply L

## rape Grange Far... Clarksburg, ont

 Shorthorns and Leicesters Shorthorns and 8wine-Am now offering
 e fall ramaterial. ISRAEL GROFF. Elmira, Ont.

A. WATT SAIEM ONT ELORA STATION Scotch Shorthorn Females for Sale ${ }_{\text {sonable }}^{1 \text { am offering, at very }}$ prices, female: $\mathcal{T}$ \&

 are well goes in ealif to him, Their breeding is unexcelled, and there are show animalis
amongst hem A. EDWARD MEYER, Box 37. GUELPH, ONT. Springhurst Shorthorins and Clydesdales

$\qquad$
OAKLAND
Our herd, numbering

 JOHN ELDER \& SON. HENSALL. ONT Maple Lodge Stock Farm A splendid lot of Leicesterti"
 A. W. SMITH, Maple Lodge, Ont. Glenburn Stock Farm
 JOHN RACEY.
"The Manor" Scotch Shorthorns
 J. T. GIBSON, DENFIELD, ONTARIO

Shorthorns finme miditim
 Fletcher's Shorthorns and Yorkshires



## Shorthorns and Clydesdales

 W. G. PETTIT \& SONS, Freeman, Ont.




Pleasant Valley Farm Shorthorrns - Herd headed by Scottish Signet, and donsist ing

## 




$\qquad$
 Pow, and some arev tor sale.
Production and quality.
B. BULL \& SON, BRAMPTON, ONT


When Writing MentionAdvocate 2. He also has a shoe boil which thas two and a halt inches deep and four tion for same.
Ans. -1 . If the bone was injured by the move all of the enlargement. Get 6
drams each of biniodide of mercury and iodide of potassium and mix with 8 about four days, or till the parts get a
little sore, then stop for a few days till
the soreness ceases applying and the soreness ceases, applying a little oil
in the meantime: then repeat, and keep at you will at least reduce the size of the
enlargement. The horse can do his ordi2. A shoe boil is caused by the elbow oming in contact with the heels of the
hoe when lying down. fect a cure the cause has to be removed,
ither by letting the animal go without
hoes or by placiner a mad

## At least one-third lighter draft

 Genuine emp
## Manure Spreader

The manure cannot back up against the flat teeth, and because the flat teeth are graded the
will handle and thoroughly pulverize all kinds o manure from the clear gum to the straw material.
There are many other cxclusive improvements
n the Genuine Kemp. Our big catalog describes on the Genuine Kemp. Our big catalog describe
and illustrates them fully. Send for a copy and
learn some new facts about manure spreaders. There would be twenty times as many manure
spreaders in use in canada today if farmers realized
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Kemp The Genuine Kemp will pay for itself faster
han any other farm machine But send to us for catalog 662 That's your first
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SMITH'S FALLS CANADA two rows of the rest of the space for quired for How much plank will be re should be allowed for each much space

will use iron tubing swinging stanchions. Do you know of
anyone who draws and anyone who draws up plans for plank
frame barns, and, if so, what would be
the probable charge The C. W. B. Ans.-Two and one-half to three feet
should be deep enough for the foundation. It is necessary to go deep enough to
avoid injury by frost, but if, as you
state, this depth is giving good satisfac tron, why go any deeper? The con-
tractor whom you employ to build the
barn will be able much lumber you will need. He should the same. Cow stalls, if single, should
be about threo be about three and one half feet wide;
double, seven feet is a good width

Veterinary
LUMP ON HORSE'S LEG-SHOE I have a horse that got kicked three
months ago on the front of the hind leg. big hard lump. What is the best way

QUESTIONS AND ANSWERS Miscellaneous.

ROUP IN TURKEYS.
Turkeys start to run at the nose, and
swell up under the eyes. The breath
very offensiver very offensive, and the nostrils are closed
with a thic pearing in the corners of the eyes.
Ans.-The symptoms indicate a case o
oup. Prevention is better than Under ordinary conditions, the best treat-
ment is to kill the affected birds.
cases cases it is advisabele to use Epsom salts
in their drink, for the entire flock means of prevention. If it is desired a five- ter-cent. solution of potassium permanganate. Give potassium permanga-
nate in the drinking water poultry buildings and roosts, remove the diseased birds from the flock, and place
the healthy birds on a new run which has not been frequented by the diseased and burn. Avoid drafts and dampness. PLANK FRAME BARN.
We have just lost our barn, stables,
etc., by lightning, and have to build, and we want some information. Our soil is
light sand and gravel. How deep should the foundation go? The usual way here
is to dig the trench two or three feet deep, fill with broken stone to within six
inches of the surface, and build the masonwork or concrete foundation on
that, and it seems to give satisfaction, but the book issued by a cement com-
pany says the concrete should go three
Pour feet into the Pour feet into the ground. We intend o
build the barn $36 x$ fo feet, wwith one end for horse stable and granary,


## Genasco

the Trinidad-Lake-Asphalt Roofing has the life that only naturat asphalt can give roofing to lastingly resist all kinds of weather
The Kant-leak Kleet clamps the roof-seams water-tight without cement, and prevents nail asco with Kant-leak Kleets packed in the roll.

The Barber Asphalt Paving Compani
 Philadelphia Now York San Francisco Chicago London, Out.
Cavertill, Learmont \& Company, Mentreal, Que.


Toronto Salt Works, 128 Adelalde St., E.:.
G. J. CLIFF, MANAGER.
Toronto, Ont.


MONRO \& LAWLESS
Elmdale Farms, Thorold, Ont Lake Vlew Dalry Farm I have several of HOLSTEINS! ins alao dauthers bv. Present offering: Bull calera, and hieiers: Holstein Cattle - breed. - Ihlustratadid descripy tive bookletts free. Hillstin.-Friesilen Assin of



QUESTIONS AND ANSWERS Miscellaneous.

GASOLINE Engine queries. 1. Would you buy a gasoline engine in
preference to a windmill to pump water ? preference What would be the cost per day to
pump water with a
pasolino encing trom pump water with a gasoline engine Irom
a well 100 feet deep, water standing
within 30 feat of the sulface for say 40 within 30 feet of the surface, for, say, 40
head of cattle ? 3. How many horse-power would it red
quire to pump water from such a well? 4. Will a gasoline engino run a fanning
 favorable by its elevation and freedom arom trees, etc., that might obstruct the ing power.
2. Probably from 7 to 10 cents per This will depend on how continuously the engine is run.
3. One and a half horsepower
toad flax
Please find inclosed the flower and roo our farm. It grows very thickly, espe
cially along ditches, and is working its Vay into pastures, where it completely
crowds out the grass. Would be obliged
 adication.
or buter and egsed specimen is toad hax
theperooted perennial, and is a persistent
to found
 dows and crops. Bady, infested mea-
dows and pastures should be brought Inder cultivation by early August plow
ing, summer-fallowing until autumn, an year. Hand Huling when the soil is we
is effective in lands that cannot be culti-
 SOW THISTLE-TOP DRESSING 1. I have about 150 bushels of oats
which grew on a feld infested with sow thistie. In well cleaned in a taning mill is there any danger of bringing the sow
thistlo seod home ? 2. When is the best time to top dres an old pasture
Lambton Co.
Ans-7. The seed of perennial sow
histle is comparatively light, and if par Hular care was taken to ho and if par very hard and thoroughly clean them
there would not be much danger of tak ng any grae amount of the seed home
lost of the seed of this pest is blow out in threshing. Screenings shoula be
purned and the fanning nill sieves and
scrent thoroughly. claned. If the oats screens thoroughly cleaned. If the oat
re fineny ground, this would also hell
and destroyting the seed.
2. In the minter, or early spring, pro
ided the land is not too rolling, should
be as good a time as any.
1 have three acres of meadow land that
has not been plowed for over ten years

$\qquad$
$\qquad$ I will not have any manure available nex
spring. Would peas and oats. cut Ans, -Devil's paint brush, or orang
hamkeed hawkwed, is a shallow-rooted perennia
and readily succumbs to cultivation the feld is broken up and put under
short rotation of crops, it will soon arly this falle and kept well cult vated
 he pieco might be planted to corn, th the
cultivation of which would rid the fell

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 made over 20 Ibs. each. Sir Johanna Colantha Gladi, whose dam and sire's dam average 33.61 lbs . eacht or 7 days, which is higher than can be claimed dor any other sire of the breed
We are offering some splendid young bulls for sale from the above sires, and out of daughters of Pontiac Korndyke and Rag Apple Korndyke.
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HEUVELTON, NEW YORK HOLSTEINS AND YORKSHIRES

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and out of dam with offcial records from 20 to 24 pounds butter in 7 days. Write for
cat E.F.OSLER, BRONTE, ONTARIO CENTRE AND HILLVIEW HOLSTEINS Offers two June bulls, nicely marked, out of Record of Merit dams and Boonheur Statesman
whose daughters are testing high price of these ; $\$ 70.00$ each f.o.b. Woodstock. Also Koungerones. Telephone. P. D. Ede, Oxford Centre P.O., Woodstock Stn. pringbrook Helstelns and Tamworths
A choice bull calf, sired by Brightest Canary, HOMEWOOD HOLSTEINS




THE MAPLES HOLSTEIN HERD $\begin{gathered}\text { MINSTER FARM } \\ \text { Holsteins and Yorkshires }\end{gathered}$
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Maple Grove Yorkshires Prean ARE ERYAL To Tork bert.

 H. S. McDIIRMID, FINGAL ONTARIO.
Shedden Station, P. N. and M.C. R.

| strist |
| :--- |
| galetete- |


'THE FARMER'S ADVOCATE
Questions and answers Miscellaneous
the king's name
V? is the full name of King gieory
name is Gurlphest Albert. The fann
Pruning currant bushes


Equipped with Knives that STAY Sharp Specialy-tempered knives made for us in Sheffield, England, by Spear \&
Jackson-knives that hold a keen edge longer than you would possible. Model, pictured here, uses only 4 to 8 horse-power to cut and
elevate

Does Its Work with Least Fuss Every part that must endure strain is built with surplus strength-bottom
drum, for instance, of ten gause steel. Keep the Th or speed with no feare, of ten smaush steel. Keep the Thom's going at top
Shar noter year satisfaction in this machine.


## SILOS-EGGS-WEEDS

 1. Please give explanation of the meritand disadvantages of the diferent
 could be silo of each, where good grave down for $\$ 4$ per cord
col 2. I would infer from the market re
ports in un The Farmer's Advocate." that
the farmer who sells good egss in the out Ying country sells good egrocate, that
throun out
throuth the antiquatects is systemn toin oubbed ing them, to the extent system of colled
cents per dree oren. Now, It think ro of waiting candled when, collected, inin they reach We other destination, reach most of treal storekeeper in exchange to cor high
ced goods. Could not
 The pathmasters appointed cy by or as the thistes and weeds on th idalu=siox Co., ount R. C. A.






Hillcrest Tamworths Duroc - Jersey Swine.



 A. COLWILL, NEWCASTLE, ontario J. J. Wilison, Importer and Breder, Milton, A grand lot of boars fit tor service. Some splendid sowes AND OXFORDS Bradford or Beeton Sta. J. A. CERRSWELLL, Bond Head, Ont


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 Stock Farm

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|  |  | CATTLE and SHEFP |  |
|  |  | LABELS ${ }_{\text {wi }}^{\text {m }}$ | car libels |
| Also the best lot of lambes everd rai |  |  |  |
|  |  |  |  |
| , Ont. |  |  |  |
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AUGUST 10, 1911


Erected at Dentonia Park Farm for Mrs. E. D. Massey. 34 feet
high- 15 feet diameter-capacity 180 tons. Built of "Ideal" Blocks. Farmers, all over Canada, are eagerly taking up Concretc
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and verminproof, Ideal Concrete and vetme cheapest of all permanent
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buildine building materials.
An Ideal Machine will more than
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or silo you bulld
Write us for full particulars -
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Rollable and enorgetic agont: wantod it
During a portion of the South African war, Lord kitchener had as an orderly a young scion of a noble house who had joined the Inperial Yeomanry as a
trooper.. He could not quite understand
that ho was not on terms of perfect equality with the members of the staff,
and having been summoned one to carry some dispatches for the Com-mander-m-Chief, he entered the room with "Did you want me, Kitchener?" he gasped for fear of what of the stan next.

Kitchener, however, merely looked at
him with a quiet smile. ${ }^{2}$ Oh, don't call me Kitchener,", he remarked gently; "it's
so beastly formal. Call me Herbert!"

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DR. FOWLER'S Extract of
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THis Sterling remedy has been ON THE MARKET FOR OVER 65 YEARS AND HAS YET TO FAIL TO DO WHAT WE CLAIM FOR IT

If an unscrupulous druggist or dealer
"This is just as good or better", just
(rive me 'Dr. Fowler's', I know
hat I ask for."
price is 35 cents per hottle. See
he name, The T. Milburn Co.. 1, Toronto, Ont., appears on the oprietors of this remedy

THE FARMER'S ADVOCATE


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Larger appropriations of prize money for horses, cattle, sheep, swine and poultry. $\$ 16,000$ in cash prizes, and over 100 gold medals and other LESSONS ON DAIRYING INDUSTRY
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Secretary


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a gasoline engin tion, and will carry any load that the water-HI.-P. only, but big enough for any farm work. Connor Machine Co., Exeter, Ont.

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[^0]:    and price of clean

