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Such prices as we quote on complete Barns and other farm buildings would be tempting values for ordinary buildings. But when you consider the superior kind of buildings you get from us, you will have to admit our quotations are remarkable. That's because we buy in huge quantities the materials that enter into

The lumber for these Barns comes from our own timber limits and We own saw mills. we ship these Barns in sections direct from our factory to your farm the buildings are so fabricated that they are easily and quickly put together by a small gang

## PRESTON <br> STEEL TRUSS <br> BARNS

of workmen-thus doing away with the necessity of boarding a small army of barn builders for the long period of time that was required before the Preston Steel Truss Barn came into use. Why not have a perfect barn-protected
by the Preston System of lightning protection and further protected by its metal roof and sides against fire from without. Why not have a barn that enables you to store crops with ease -a barn so well.planned that there's no waste space.
 MExA shill gik siom conpur


Preston Barn erected
for Mr. W. C. Scott, for Mr. W. C. Scott,
of Limehouse, Ont.

GRAND TRUNK RAMT The Double Track Route BETWEEN MONTRE TORONTO, DETRMIT and chicago Unexcelled dining cur nion Sleeping Cars on Nite
and Partor Cars on Trains.
Full information from and
Trunk
Ticket Horning, Distrtict Pane oor $C$ S Toronto.

## HYLO

SILO
8weet Fresh Ensilage
down to tho last forkfil THEHYLOSLO OMO

 Cut Mact.



Steel Rails
For Reinforcing Bridges and Barn Driveways. Cut any Length JNO. J. GARTSHORE


$T$ HE more closely you investigate every detail of construction in the Gray-Dort, the easier it is to realize why men call this "The Value Car of the Year" and why doubled production has not met the demand.

The Gray-Dort dealer will gladly demonstrate for you-the Gray-Dort 5-passenger touring car, $\$ 1465$ f.o.b. Chatham, war tax extra; the 2-passenger roadster, the same price; the Gray-Dort Special, $\$ 150$ extra on the standard; the beautiful Gray-Dort Ace, $\$ 255$ extra on the standard.

Gray-Dort Motors, Limited - Chatham, Ontario

Built in Canada by Skilled Canadian Workers and Canadian Capital
GRAY-DORT


Is Your Spare Time Worth Money? Natat ore fer domestic and forcign tobacco limits of says H. A. Freeman, Tobacco markets. Rumors well founded and unfoundector,
given wide circulation. given wide circulation. Many important
facts are overlooked. In this and future articles a few of these facts will be men. tioned. It is hopel. that at least som-
will comment on these facts, ahd thers. Thus much information will be us will be more clearly und that confronts We are growing iny understood. same types and varieties of tobacco that are produced in the United States of America. Tonen it can readily be seen
that our tobacco leaf must compete with United States leaf in the markets where America produces enormous crops of obacco, every pound of which is carefully graded and selected. We might reco ize at once that our foreign markets mill
be their foreign markets as well. We compete with America in the same mart kets with the same type of leaf and the
same grade of leaf of that type. At same grade of leaf of that type. At duty of 40 cents per pound on raw leaf coming into the country we are importing more than 100 pounds for each 100 pounds of tobacco produced in Canada of exactly the same varieties and types as we are growing, when ali types are
considered. We are importing in kind and quantity of tobacco as mentioned, but here is the part to remember, the grades imported are equal to our best, nd, incing now but beter han we are profitably improve our domestic leaf a great deal. It is not a question of the variety or type of our tobacco, but a
question of the grade, and in the word grade is combined quality, color, texture, size, flavar, aroma, taste, moistur,
body, elasticity, burn, supply in quantity, all these and more
How can we compete outside of our ountry with the very same country who obacco, and who without our protective. imiport duty might sell us practically all of our tobacco, remembering that when itr tobacco starts for a foreign market rom every country in the world that is This is true in every case except one. In only one country, a country which annually imports from one hundreud and tobacco-England, Canadian tobaccos of all types, which come up to the trade and market requirements, may enter with a preference of 32 cents per pound. Tis
preference is extended to all of the British colonies and Ireland, all other countries must pay the full of the types of tobacco that Canada can offer for sale from other countries for some time. Then canal all, as something exactly the same as is now being imported and used by Engtigh Canada can supply to them more cheaply than anyone else on accous, and the exchange situation which favors us in selling to England. Without this preference we could have little hope to find or supply a foreign market in competition only gives
United States. This preference enty us the chance to enter the ranks of the contenders for markets willing to contend hard enough:
It is a well-known fact that the English It is a wel--known discriminating in the
importer is the most dis. importer is
world. He wants the best grade or none. England wants large quantities of good These must be sorted, graded, fermented and packed in good condition. Tmmed
case of cigar fillers, they must be stemmed or or stripped, that is, the centre vein of midrib removed and generally well handled. These are already requirehandled in Canada to meet the requing
ments, and large shipments are being made to England.
There is a strong demand in England for Flue-cured or liright tobacco to extent of more than sixty mild of the best
It must be bright, thin, and packed and quality. It must be graded, packed packed and handled in the Carolinas and Virgi the

The Separator with the MILLION DOLLAR BOWL
 is the "Family Coat of Arms" of the leading line of Dairy Machinery -EMPIRE.
The Empire Cream Separator Co., of Canada, Ltd.
Manufacturers of Empire Milkers TORONTO and MONTREAL and Gasoline Engines


Cream Wanted
Ship your cream to us. We pay all express charges. We supply cans. We remit daily. We guarantee highest market price.

## ONTARIO CREAMERIES

LONDON

## THIIS SPRING


$\square$
$\square$
extent of several willion pounds in Eny
land, but here land, but here again standaunds in Eng
wanted, just as as can thes arn Burley, markets of Kentuck on the White has never boush of Kentucky. England
United States White. Burley int the United States very heavily, ayrley in the
not be expected to bight not be expected to buy of our best, well
graded, more than a comparativel for gradion more than a comparatively fer
mill organization and change in the trade
should occur. In the past England has bought very dark shipping tolacco, both fire-cured and
air-cured successfully in small quantity for grow years in the Blenheim district of Ontario.
It is grown very extensively Kentucky, Tennessee and Virginiasteri account of the price and exchange rate great quantities of this tobacco remain ii
the hands of the growers in Tennessee and Virginia. The possibility
of substituting for the air-cured heazy white Burte of Tennessee and Kentucky and takkin advantags of the 32 cents preference and
the difference in the difference in exchange to do it is now being investigated.
is a lot of work ahead be sen that then no means impossible. Once task is by ciently well to get our tobaccos on the
English market we shall disover the English market we shall discover thaz
another big thing has been done that another big thing has been done, that
of improving our domestic tobaccos by better methods of growing, handling and grading, to such an extent that our home
markets and manufacturers can abson twice as much of it as they are taking to-
day. The too high per cent. of lowgrade to high-grade tobacco that is to be can be eliminated. That conditions are such as they are in our growing, handling man's fault, and no one man can core them, but working unitedly and intelli zently the difficulties mentioned can be
quickly overcome. The situation calls for united honesty, fairness and action from every one. The next article will be
on "Grading Tobacco."-H. A. Freman, Tobacco Inspector.

Cutworm Control Measures.
(Experimental Farms Note.) Careful study of tobacco insect pest
and methods of eradication has been and methods of Aracication
made by H. Freman, Tobeco
H. Inspector. Some knowledge of the life history of these insects is necessary to
properly cope with them. Frequently hey can be best attacked when in the do no damage to growing crops. One of the simplest and easiest methods of
attacking these insects is through fall attacking these insects is through fal plowing of the tobacco field, whic
destroys all vegetation on which the destroys all vegetation on also exposes thes reezing and
During the crop growing season the most certain and practical method of
control is through destruction of the insects by poisoning. There are three ways if using poisons against cutworms 1. Spraying the tobacco plant, , sd bait In using this material it is advisable to keep the field as clean as possible on weeds two or three weeks, preceding
transplanting time in order to reduce the transplanting time in order to reduce the
food supply of the worms and render them hungry. A couple of days previous to transplanting spray a small patch of clover with Paris green at the rate of one ounce to six gallons of water. Cut the
clover in small pieces and scatter in small cover in small pieces and scatter in mably
handfuls about the fields, preferably on a cloudy day and in the evening when cutworms are out for feed, and the clover
will not dry out too rapidly. If these poison baits are not more than 6 to teet apart the worms wilt have eno thould
in finding them. This treatment should be repeated once or twice.
Instead of poisoned clover bai poisoned bran mash may be used.
is made by mixing onic pound of dry is made by mixing onse pound of bran
Paris green with 40 pounds of
To To this add a little swectened water or cheap syrup, stirring it thorough
until moistened uniformy. This is sca
and way tered about the field in the same way
the clover bait, and secmis to be mor the clover tait, ance ses than clover.
attractive to the worms sen
All poultry should be cecluded from the area for sometime, or at least until the rain has washed the poison away.-H.
tion pounds in Eng
standard grades he had on the White Kentucky, Endomed
White Burley in the hite Burley in the
heavily, and might
luy of our best a comparatestel, well few hange in the trade : fire-cured, snuffy O, both fire-cured and quantity for gevereal Im district of Ontaratio e and Virsinis and Virginia. On
$e$ and exchange rate, his tobacco remain rowers in Kentucky
inia. adian White Buritey avy shipping tobacco
Kentucky and tace cents preference and hange to do it is now ead. The task is by e. Once done sifishall discover that omestic tobaccon that rowing, handling ind extent that our home
acturers can absorb is they are taking totobacco that is to be That conditions are pacco to-day is poing one man can correct unitedly and intelliThe mentioned can be be
The sition calls Tairness and action next article will be

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trol Measures. Farms Note.) tobacco insect pests
adication has been Freeman, Tobacco howledge of the life ects is neessary
them. Frequently tacked when in that pment in which they
browing crops. One easiest methods of
cets ist through fall ects is through fall
bacco
field, which tion on which the id also exposes these growing practical method of destruction of the
g. There are three is against cutworss: acco plant; 2, Spray-
Using poisoned bait. most generally y used. rial it is advisable
clean as possible of clean as possible of
ce weeks
preceding a order to reduce the
rms and render them of days previous ay a small patch of
en at the rate of one of water. Cut the and scatter in small
e fields, preferably in the evening when - feed, and the clover more than 6 to 8
will have no trouble nis treatment should
wice. soned clover bait
may be used. This (0) pounds of bran. swectened water or
ing it thoroughly the same way as cren than clover.
xcluded from the il least until the (Please mention this paper when writing)


High Power-Light Weight
You can put a White-Allwork The engine is set crosa-wise on the on wet land or use it for frame, diving a belt pulley on direct seeding and harrowing. The line with the crant shaft. An White-Allwork weighs only gears are self-oiling and well pro 800 lbs , yet it has 3000 lbs . ected from dusi.
drawbar pull on high gear, or The White-Allwork is a worthy addi4000 lbs , on low gear. It has tion to "The First Quality Line. a 4 -cylinder ( $5 \times 6$ inches) You know best what a whit motor, the largest engine on You know what horse work or other any 3 -plow tractor. It is com- Yractors are costing. Let us tel pact, sturdy, and easily han- you what it costs to uee the White-dled-turns inside of 12 feet Allwork on every power job on the radius. You can use it on farm. Then decide for yourself rolling land and wort in close save you money or not. to fences. Writo for full informetion

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## The White-Allwolk Kerosene Tractor

The Frost \& Wood Co., Limited Montreal SMITHS FALLS, ONT. St. John, N.B. COCKSHUTT PLOW CO., LIMITED, BRANTFORD, ONT.
all fertilizers have THEIR MERITS
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is in a class by itself. ASK THE MAN WHO HAS USED IT.

IF in doubt about this why not take adVantage of our special offer




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has lost a lot of succulence through old style, worn out Rakes, -Mowers, etc.
Why not get a Frost \& Wood Automatic Dump Rake this yearp Afted and load is dumped. Teeth are bighest quality tempered steel spring. Frame is high quality carbon angle steel, strongly braced and with high steel whecls. It's a quick working, high grade,
light draft machine that you'll enjoy using for many years to come.

> The safe way to buy is to seeour big line at our nearest Agent's and talk the matter over with him. Write for our Hav-making Folder describing our Rakes, Side Deliva. Ralkes, Tedders, Loaders, etc.

| Metal Shingle \& Siding Co., Preston, Ont. Harrow, March 9th. |
| :--- |
| Dear Sirs: |
| I expect to put up a building, and I want to put a metal roof on |
| it. I have got buildings covered with four different kinds of metal |
| roofing. Two of the buildings are covered with your make of shingles, |
| and I consider them to be the best rooff of any of them. |
| Yours truly, |
| HARVEY S. SMITH. |

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This letter is eloquent of the superior satisfaction to be obtained from the use of

## PRESTON 0 axe SHINGLES

The Safety Lock of the Preston Safe-Lock Shingle is only one of many valuable and unique features that are proving of wonderful service to farmers in every part of the country

Consider your roof-its value to you-then insure with Preston Safe-Lock Shingles for safety's sake.
Write for the illustrated folder, giving in detail the features of our Shingles that are proving so valuable to property owners.

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## RELIANCE

Five-Row, Two-Horse Potato Sprayer
Sprays five rows at a time. Forty to fifty acres per day. The only one of its kind on
the market. Pays for itself in economy of mixture and time saved. PUMP is large in size and capacity. Made
of grey iron cast in for high or low vines. Spray beams are
in front and in view of operator at all times.
 PUMP DRIVE is by eccentric on axle. HOSE is high pressure, seven-ply wire
Steady and uniform
bound. Steady and uniform. is large, and fitted with
(AMAMERSR
presure valve regulated by thumb screw. pressure evalve regulated by thumb screw.
NOZZLES, new whirling type. Made of
bress brass and non-rustable and non-cortoding. water carried. chance of clogging:
SPRAYRTEM eliminates all plicated parts are e eliminated
DURABLE, simple and correct in princhance of clogging. are adjustable for wide
SPRAY BEEMMS
or narrow rows or straight or crooked rows. DURARLL, simple and correct in prin-
ciple and design. Best quality material

Ask your JOHN DEERE dealer to show you the RELIANCE.
THE JOHN DEERE MFG. COMPANY, LIMITED

## The United Farmers'

Co-operative Co. Limited

CO-OPERATIVE DRIVE during the
WEEK OF JUNE 14th to 19th
The object of the DRIVE is to raise the -ulscribed capital stock of the company from
One Quarter of a Million to a Million Dollars

Business of the company during the last year has increased eight fold. This necessitates a large sum
of money to finance the transactions, and thus it conof money to finance the transactions, and thus a con-
siderable increase in the capital stock. More capital siderable increase in the capital stock. More capital
will improve the service of the company to producer and consumer all
Every year the company has paid a seven per
cent. dividend on its paid un capital out of
cent. dividend on its paid up capital out of profits
carned. Prospects are good for it continuing to do
this. The stock to be offered furnishes an altractive

KEEP IN MIND
JUNE 14th to 19th
Headquarters: 130 King St. E, Toronto


It made a Success out of a Failure
Three years of crop failure-droughts which caused the loss of hundreds of trees-rains that rotted the discovered the advantages of planting with stumping powder. Today his 30 -acre apple orchard is a moneymaker.
C.X.L. Stumping Powder will make your orchard a profit producer, if you do as $\mathrm{Mr}_{\mathrm{r}}$. Sheppard did-blow out the dead trees with C.X.L. and dig your holes for new trees by the same means. In the first five years their growth is nearly double those of spade-planted trees.
Canadian Explosives Limited
Head Office, Montreal
Halifax
Sudbury Walifax Toronto "Explosives for
the Farm" tells the Farm" tells
what C. X. $L$. Stumping will do in your orchard. Vancouver free copy today.

46 5


Tired of the drudgery of hand-milking, he
Intended Selling His Thirty Cows


His hired help always complained of the monotony of hand-milking, so he thought of selling his thirty cows.

But, instead, he bought a
BURRELL
B-L-K MLLKER

Niow he has increased his
herel to, .0 cows. He is
contenteal. so is his hired
hetp Ho. Iote theme off Sun-
and with his boy does
nilking easily.
D. Derbyshire Company, Limited Brockville,
perience. One average man with two 2-cow Burrell Milkers can milk from 24 to 30 cows an hour; do the work of three hand-milkers, and do it well. Write for the experience of Ontario

# The Farmer's Advocate and PERSEVERE SUCCEED Home Magazine <br> ESTABLISHED 1866 

LV.<br>LONDON, ONTARIO, MAY 27, 1920.

## EDITORIAL.

Get rid of the old birds in the flock when they stop laying.
on.

The tax on turn-over is simply a method of taking from the ultimate consumer by the so-called painless method.
Don't allow land to remain idle. It is not yet too late for corn and there are still crops that can be successfully seeded at this time. $\qquad$
It will pay to go a good way to find a suitable stallion It whill pay thares may be bred with scme guarantee that the offspring will have merit.

With a national debt of over two billions of dollars every man, woman and child in Canada is in debt to every extent of approximately $\$ 225$.

The spirit of unity and co-operation which existed in war time is gradually disappearing. That spirit is a valuable asset and should be kept alive
Take all reasonable precautions against joint-ill when the mare is foaling. One cannot be too careful and persevering in preventing this scourge

Milk producers in some districts would be glad to have their cheese factories back. It was a sad mistake
in allowing so many good cheese factories to disappear.

Scrub sires and tuberculosis constitute a dual menace to the live-stock industry. The first is easily gotten rid of and it ought to be the aim of every breeder to eradicate the latter

The Budget brings home the fact with starting through the era on which we are now embarked. Agita tion, dissatisfaction and under-production are going to make hard sledding for us all.
F. L. Davis, member of the House of Commons for Neepawa, has suggested a non-partisan committee of the House of Commons (the majority to be formed of as chairman) to consider the estimates before they are brought down in the House. At present, members have very little opportunity of getting information regarding various items in the estimates, except that of a very general character from the different ministers presenting them. The committee suggested would have the power to call in the excrutive chiefs of the various departments of Government, and get detailed information. In view of the great need for retrenchment this suggestion has much to comment it.

Canada exported goods amounting to $\$ 1,246,341$, 600 for the twelve months ending February, 1920, compared with exports of $\$ 1,216,316,432$ for the pre ceding year. Of our exports for the past year the following principal agricultural items were included Collowing principal agricultural items were included
Live animals, $\$ 52220,850$; bacon and hams, $\$ 38,241,183$ Live animals, $\$ 52,220,850$; bacon and hams, $\$ 38,241,18$ $\$ 1,728,388$; $\$ 7.36 .3$; canned meats, $\$ 1,284,369$; pork $\$ 1,728,388$; other meats, $\$ 3,838,213$; wheat, $\$ 181,750$,
202; wheat 202; wheat flour, $\$ 98,278,003$; oats, $\$ 8,556,442$; othe grain, $\$ 24,829,834$; butter, $\$ 8,746,597$; cheese, $\$ 35,646$ 442 ; milk and cream, $\$ 10,125,462$; flax seed, $\$ 5,491,504$ and vegetables, $\$ 10,398,305$. These items make tota of $\$ 555,56 \$, 1.59$. Of these items, live stock provides
over $\$ 222,000,000)$ aside from hides, skins and leather, over $\$ 222,000,000$ a side from hides, skins and leather,
which amount t $\$ 37,000,000$.

## Let us Keep Our Importations Clean.

Avery important and forward step has been taken The Dominion Department of Agriculture, working in co-operation with representatives of the producers and packers, are endeavoring to evolve a scheme of disease reduction that will do our live-stock industry good However, tuberculosis should be attacked wherever it reveals itself, and a prominent Quebec breeder has pointed out, in the Live-Stock Department of this issue, weakness in our import regulations that demands ittention. There is no use trying to clean up tuberculosis in Canada while we keep on importing it from "reat Britain, and by simply marking a "T" in the ear of a cattle beast we do not render it any less a menace contagion if we punch the whole word "Tuberculosis" in both ears; we must keep tuberculous cattle out altogether.
Other countries, we understand, are more progressive in their antakonism to imported tuberculous stuff, and we interpret the United States regulations to prevent reactors being forwarded to their destination in that country. We have gone so fat as to prohibit the importation freators from the United States: why should we not do the same with those from Britain?
In the issue of February 5 we took occasion to make In mention is already being taken along lines suggested there. is already bein Cominion Government assistance that enabling them to hip only catte to Canada. We are confident ship only that the Department confer nd we would with breede policy the will encourage the importation structing a policy the improvement of live-stock industry.

## A Sane Policy for the Agricultural

 RepresentativesA correspondent whose article appears in the Farn Department of this issue is asking for an expression o public opinion concerning the policy laid down for the Agricultural Representatives in th Province of Ontario. There is a suggestion in thi communication that the Representatives be expectec to take a more active part in all rural movements, but it would be unfortunate indeed if a new commandment were given unto them which in anyway annulled th orders by which they have always been guided, namely, that where politics are concerned they are to take an absolutely neutral stand. The Agricultural Representatives, like the Department of Agriculture of which they are a part, are there to serve all the people. They are public servants and they are pard out or the public funds. If townspeople desire agricultural informatio the Representatives are duty-bound to give it, just the same as is the Department. In the exceution of their duties they are required to know no class distinction or religious differences; in private life they are entitled to the full privileges of citizenship. The Agricultura Representatives were, of course, primarily pracca me he various counties to serve farmers and oring to donart latest and best that agricultural cole. To this end they found organization essential and they became organizers in the various communities where by getting farmers together they accomplished a hundred fold more that together have been possible by working with individuals and more than that, they laid the ground work for the great organization movement which later swept the Province. In fact, some of the best and staunchest Province. I. F. O. locals were organized by Agricultural Repre-
sentatives who saw the need of farmers' clubs and assisted them into existerce. Even when there was U.E. The Representatives remained neutral as group, and in many cases even advised the affiliation grop, anders' clubs they had formed with the United Farmers of Ontario for business purposes. The representatives can still render valuable as $i$ tance to the United Farmers' Clubs, and they ought to do so where Unicicltural advancement is the object. However the Hon. Manning W. Doherty cannot do better than instruct the Agricultural Representatives to use their an discretion the past. assist farmers all they can, and keep out of politics.

## Using the Government.

ent should do it, is an that is altogether too common in this country. In the past, our Governments have tried to curry public favor by doing things for the individual voter that the in dividual voter ought to do himself. The result of this paternalism is that this country is cursed with an army disgruntled people who are forever asking the. Government to do chores for them. The man who continually asking the Government to help him with his ehores is a poor citizen; he lacks the independen spirit that is characteristic of all solid citizens. Incidentally, he is the kind of citizen who is forever condemning Governments. He is ready, at all times, to put forth arguments which prove, to his own satisfact True our Governments are not as efficient as the might be. our Governments are not as efficient ame, for igh be. But they are not altogether to bla as soon as they are electer who regard Governments as mere agencies for distributing favors of ne lind this country another. We will get good goven not a ay people are saying. "Let us help the Government." The Government should do it," is a phrase that is common in all badly-governed countries. "Let us do it ourselves," is the unspoken slogan of all self-reliant industrious and stout-hearted peoples.

A Half-Holiday for Farmers. The question of a half-holiday for farmers has been aired considerably of late, and one or two clubs have gone so far as to endorse it in their districts. It will no doutt, receive consideration elsewhere unless the rush of work dispels the idea and banishes it for an other season. In principle the half-holiday is as sound for the farmer as for the townsman, but in practice it does not work out. Imagine the pleasure a farmer would get out of a half-holiday while his hay was drying up in the fields, while his grain was ripe and calling for the binder, while the corn needed cultivating and the weeds were smothering out the hoed crop. Onny hould the present-day farmer make himself believe that he was actually enjoying the time off. Farmers and their families are entitled to recreation and rest, but it would be far better to take a week in an off season, ic such there be, than one day when the walf-days, and whole pressing. that one cannot work in the fields on account of rain and other causes that a set half-day seems out of place in agriculture

The argument has been advanced that if town workers can labor short hours and enjoy their holidays, thereby making the work go round and keeping wages high, farmers can likewise work less, decrease production and keep prices up. This is false doctrine, and while we condemn it in others we have no right to subscribe


some degree or other, and therefore in all animals whether they be pure or cross-bred there must be breeding. No "scrub" can ever produce an animal
with quality. Breeding must be there, and withoul good breeding it is generally in vain that we look for

The word quality conveys a great deal of meanin to the breeder, and it would probably be more eas oo fully realize- the proper and inner meaning of it character is a product of cood breeding When write of an animal having character and quality then it is much easier to realize what is meant. Anyon with an eye to form can detect at once good breeding in an animat. There is the carriage, the look of refme ment about the head, and the quality of the skin, hai the same attributes can be seen in the horse, cow, pig and sheep if in the case of the last named we substitute wool for hair.-Live-Stock Journal

## Troublesome Flies.

 The last two years fies have been particularlyroublesome to the live stock. In a few weeks fies will again make their appearance. Whether they will be as bad, or worse, than in previous years no one can tell definitely, but one thing is certain that if the cattle are oneir owner as large returns as they whuld if free from these tormentors. The common stable fy is with us every summer. It is a biting insect that is fearless and persistent. They may be driven of the animal's body one minute, and the next minute they are back as thic
as ever. Not only do they annoy the animals but the as ever. Not only do they annoy the animals, but they
cause pain and loss of blood. In some countries the fiy is a carrier of disease, but happily we are comparativel free from that in Canada, although it is claimed tha the common stable fy may transmit such diseases a anthrax from diseased to healthy animals. Fly repel
lents may be used to ward off the fly but a good deal can be done in lessening the numbers by keeping the premises clean. The fy breeds in decaying material,
therefore the cleaner the barnard the less the chance therefore the cleaner the barnyard the less the chance
of the flies multiplying. The warble fly is also quite of the flies multiplying. The warble fly is also quite
common, especially in some localities. Most stockmen are familiar with the warbles or grubs found under the skin on the backs of cattle during the latter part of winter and early spring. These grubs are the larval
stage of the warble fy. It is claimed that these flies stage of the warbee fy. th is claimed that these fires
are unable to bite, but the stock appear to be afraid are them and are sometimes stampeded by the presence
of of the fly. These grubs under the skin become full grown in early summer and force their way out of the skin,
fall to the ground and are there transformed into a fall to the ground and are there transformed into a
mature fly. Not only are these grubs a scourge of pain mature fly. Not only are these grubs a scourge of pain destroying these grubs, the number of fies to perpetuate
the trouble will be considerably lessened
Ve the trouble will be considerably lessened. We have heard of localities where this pest is not troublesome,
but as a rule it is found pretty much over the Province. but as a rule it is found pretty much over the Province,
It is rather difficult for us to conceive of the amount of misery fies cause the stock. One thing is certain, animals must suffer or else the milk flow would not fall so rapidly, or beef animals fail to make economic gains,
when fly season is at its height. The flv seems to be when fly season is at its height. The fly seems to be
most annoying around mid-day when the sun is the most annoying around mid-day when the sun is the
hottest, or on a close, muggy day. Where possible it is a good plan to give the cattle access to shade, or the stable, during the heat of the day On some farms it where they may lie in comparative comfort during part where they may
of the day When the cattle are entering the stable
a good many fies may be brushed off their bodies by having sacks hung from the top of the door frame so they will brush against the body. If protection cannot
be given to the entire herd, the calves especially should

There are a number of fly repellents, some of which have given results. There are a number of remedies which may be compounded at home at less cost than
the commercial product. One mixture is 100 parts fish oil, 50 parts oil of tar, one part crude carbolic acid, and applied by means of a spray pump. Using one part crude carbolic acid to ten parts fish oil has been
found that this does the flies. Care must be taken, however, it with a cloth dipped into the liquid and squeezed partiy dry then passed lightly over the hair. This
mixture will repel the fies for a mixture of rancid lard, one pound, and, kerosene, one half pound, applied with a cloth or brush. Another remedy is ish oil, two parts, and pine tar, one part
thoroughly mixed together and applied with Whatever material is used, care should be taken to apply too heavily as there is danger of blistering the skin. Materials must be applied frequently if results are to be obtained. The warble files, as well as the common stable fly, will be checked by applying any of
the mixtures previously mentioned are on grass it is almost impossible to apply treatment are on grass it is almost impossibie to apply treatmen
regularl, but in the case of a milking herd or the young
stuff which come to the vard daily for water they stuff which come to the yard daily for water, they may be put more at ease during the fly season if a fly repellent
is used. Anything which will add to the comfort of the stock, helps to increase the gains, and, ultimately, the
profits.


The Type of Angus Heifers in the Angus Sale,
A New Shorthorn Record
Montvic Mollie, owned by P. D. Macaulay, Hudson Heights, Quebec, has broken the Canadian record on the Shorthorn breed. She gave 16,815 lbs.of of milk, with 711 lbs of fat, in one year, her milk testing 4.23 per replaces Coquette 2nd which gave th Montvic Mollie eplaces Coquette 2nd., which gave $17,723 \mathrm{Ibs}$. of milk
and 636 lbs of butter-fat in one year. Montvic Mollie is ten years old and, as can be seen from the illustration herewith, is a nice roan with plenty of substance and quality. Her sire was Leopold of Riverside, which
was by imported Leopold, and her dam was Roan was by imported Leopold, and her dam was Roan
Belle, by Langford Eclipse, a very good imported

The Whole Tale in a Few Figures. are so much in earnest pabout the campaign to reduce disease in Canada's live stock is to be found in the
significant and alarmine feder significant and alarming figures which register the in-
last ten years. The inspection cirried on at the larre
abattoirs uncovers all cases of animals are badly affected and the whole carcon some be destroyed; in other instances the infection is locas must and only parts are discarded. During. the is localized
years there has been a very considlerten number of affected animals passing the increase in the slaughter houses, and this is a pretty yoord inspected extent of infection throughout the coundex to the following table shows the percentage of country. The
with tuberculosis with tuberculosis passing through inspected slaughter
houses in 1910 1913, and 1910

|  | 1910 | 1913 | 1919 |
| :---: | :---: | :---: | :---: |
| Ontario | 2.68 | 3.39 |  |
| Quebec Manitoba | 3.36 | ${ }^{3} .62$ | 3.5 4.85 |
| Saskatchewan.... |  | ${ }_{2}^{4.1}$ | ${ }_{5}^{5.16}$ |
| Alberta British Columbia | . 61 | . 57 | ${ }_{1} .42$ |
| British Columbia. All Canada. | 2.96 | . 57 389 | 3.05 |

Even more alarming were the discoveries made in dairy districts, particularly, swine showed a very siomif icant increase in disease. Hogs, of course, are slaughtered before tuberculosis becomes extensively bovine tuberculosis from cattle running hogs contract farm, and if the cattle were not affected with tubercame in all probability the swine would be free from it. The following table shows the percentage of swine affected with tuberculosis passing through inspected slaughter
houses, and it reveals an increase of over 100 per cent.

| Percentage of Swine Affectin. |  |  |  |
| :--- | :---: | :---: | :---: |
|  | 1910 | 1013 | 1919 |
| Ontario | 10.4 | 16.0 | 21.4 |
| Quebec. | 7.23 | 11.6 | 10.59 |
| Manitoba | 3.7 | 5.97 | 19.9 |
| Saskatchewan | $\boxed{5.59}$ | 14.2 | 21.0 |
| Alberta. | 4.58 | 21.3 |  |
| British Columbia. | $\underline{8.9}$ | 7.27 | 17.0 |
| All Canada | 8.9 | 13.41 | 194 |

These tables furnish conclusive evidence that some-
thing should be done to check the ravages of this great thing shound be done to check the ravage
scourge and prevent its further increase.

## Inspection of Calves at Public

 Stock Yards.There is sometimes a tendency for drovers to is more common in dairy districts where the dairymen do not care to be bothered with the calves. It is general y understood that calves under three weeks of age are not really fit for human consumption. Recently of the regulations of the Live-Stock Products Act of 1917 This order becomes effective on May 25, and calves offered for sale on public stock yards will be subject inspection by the Department of Agriculture Calves three weeks of age and under and other im-
mature calves will be liable to condemnation. regulation as forwarded by the Live-Stock Commissione reads as follows: "The proprietor shall not permit the isposition in the yards of dead, downers, cripple immature calves, or calves under three weeks of age, except under the authority of the Minister or inspector,



Governme
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Editor "Tae F I have read
of May 13 , on
There is much There
thoughour Gove
not see their
should at least should at least dre
the men who ar the men who are and in one respec neither offer
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is punched in make whateve
can hardly be e can out of the expense he tcomes in con In our exp
Federal officers remain. Is thi
our Canadian h our Canadian
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impossible to impossible to
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countries have destroy the r
stations here, a a share of thei
efforts for the being appreci many men awa
both the means cattle industry

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U. F. O.

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men nee milk must be used. However, it is only a matter of feeding to fe should be worth more than the cases a calf at thilk it consumed. Calves which might priee of the milk feders if raised very often are choice not make
vealifed a few weeks. There is a market for good vea and it is but right and proper that market, not on! immature esturn shat yards but on local markets as well.

Government Regulations Hamper ing Live-Stock Imports.
Entor "Tel Farmer's Anvocar editorial in the issuen I have read "Our Live Stock Needs Good Blood. There is much in the article to be commended, and even thoughour Governments-Domillon or Prist, I think they not see their way do mo everything in their power to encourage the men who are willing to use both their time and their capital in this work.
I am most familiar with the cattle end of the business, and in one respect, and neither ofrer. I refer specifically to the application of dian importer. therculin test. Under the existing regulation animals are subjected to the test when leaving quarantine, and the ear and the importer is allowed to make whatever disposal of the animal he sees fit. He an hardly be blamed if he endeavors to make the most he can out of it and thereby at least recoup himself for the expense he has incurred, even though this animal may actually be a menace comes in contact with In our export trade all animals are tested by our the unhealthy ones punched in the ear and allowed to remain. Is this a policy likely to improve the health of our Canadian herds? Surely "what is sauce for the goose the unhealthy animals that are disclosed by our export trade, surely we should try to keep out the unhealthy ones disclosed in our import trade. If it has proven
impossible to apply the tuberculin test fairly in the country where animass and it so) then let us destroy the reactors when found in our quarantine stations here, and at least compensate the importers for
a share of their loss and thereby show them that their a share of their loss and thereby show them that their eifing appreciated by our Government. It is quite many men away from the importing business, that have both the means and the knowledge to do much for the
cattle industry of Canada. cattle industry of Canad
Quebec.

## THE FARM.

U. F. O. vs. Agricultural Representatives.
Editor "The Farmer's Advocate":
There is a great deal of controversy in the rural sections as to the position the Agricultural Representa-
tives will be allowed to take in regard to the U. F. O. tives will be allowed to take in regard to the U.F.
movement, which is now so popular in Ontario. Numermovement, which is now so popular in Ontario. Numerto celebrate the victory of October 20,1919 , and to organize the rural people for the great U. F. O. co-
operative stock selling campaign, during the week of June 14, 1920. As the Agricultural Representatives
are expected to be in touch with the rural movements are expected to be in touch with the rural movements
and people at all times, what position will they take in these coming demonstrations? Are they to hold themselves aloof, and not be given an opportunity to express their views on rural problems and mingle with the people?
In the past they have felt not any too safe in identifying In the past they have felt not any too safe in identifying
themselves with the great rural organization. Why themselves with the great rural organization. Why
should they not be allowed to freely express themselves and give leadership and advise to all the people they are expected to assist at all times?
I believe it is time that the rural people and Agricultural Representatives had a clear ruling on this
matter by the Department of Agriculture. If, as it has been stated time and again from the public platforms of Ontario, these trained Representatives are leaders of the rural sections on all questions, owhy should the Department of Agriculture refrain, as in the past,
from appearing in discussing the issues of to-day as they find them. Only
din in this way cun these Agricultural Representatives express and describe conditions as they find them in people should demand that the Agricultural Representatives have frem pand that the Agricultural Represent of Ontario. Let hese Representatives be free at al
times, and theni times, and then ithe Department of Agriculture, the
Government and people at large will benefit by th eovernment and people at large will benefit by the to do so much are College, who, we read, are trying Canada at large.
This is writti, with the object of having the agricultural press liw this matter before its reader s fo discussion so tha: the Department of Agriculture wil
be guided in the titure by the rural reader's views.
Oxford County

## The 1920 Budget

## Finance, delivered his hudyen ryecra in th, Minister of Connmons and clearedt

 policy of taxation and financine to to meet ordinary ant capital expenditure. No one is immune from theinfluence of this budget, and never was there so muct interest taken before in the annual financial address. Sir Henry Drayton declared that Canada would do
no
more borrowinv and from adopt a pay-as--you-go policy. In order to make this posstle the tollowing increased taxation was announced wholesalers, and importers, except on foods, feed for 2. Excise taxes running from 10 to 50 per cent of the seling price of goods, particularly on clothing ranging above certain specified prices, and upon luxury
articles, made of gold or silver, whether imported or manufactured in Canada.
3. Heavy excise taxes on all spirituous liquors 3. Heavy excise taxes on all spirituous liquors
These range from 30 cents a gallon on ale, beer, porter etc., to $\$ 2$ a gallon on rum, whiskey, brandy, gin, etc etc., $\$ 3$ a gallon on champagne and sparkling wines. 4. An increase of 5 per cent. in all taxation on in-
comes of $\$ 5,000$ and upwards. 5. Stamp taxesof two cents on promissory notes and 6. Stamp tax of two cents on every share of stock transferred.
7
Twenty-five to fifty cents on every pack of play ing cards sold. in various luxury articles mentioned. brought $\$ 30,000,000$ last year, is rems wàr tax, which ness profits tax is retained, but businesses are exempt up to 10 per cent. profits but the tax on profits above to 20 per cent. on all businesses having a capitalization of not less than $\$ 25,000$ and not more than $\$ 50,000$ except where more than 20 per cent. of the profits was gained in 1917 or 1918 from munitions industry. There
(B) To stabilize legitimate industries and to encourage the establishment of new industries essentia to the end that a proper and ever-increasing field of useful and remunerative employment be available for the nation's workers.
"(C) To develop the fullest extent of our natural "(D) To promote specially an increased trade with the Mother Country, with sister Dominions, and colonies and Crown dependents.
"(E) To prevent the abuse of the tariff for the exploitation of the consumer and and people in the existing world struggles for commerical The Finance Minister prefaced his taxation pro posals with a general review of the economic positio Canada's war efforts and the situation which the grea struggle created here, he said "the duty to-day is not only to carry on the Government of the country without any additions to the debt, but, on the other hand, to debtedness Indeed" Sir Henry proceeded, "were it possible for the country again to become as united and earnest as it was during the war period; if it were possibl for each and all or us to sink all differences, class and sectional interests and jealousies into an effort toware as that which won the war, the task would indeed be easy and simple.'

> The national Debt

The Finance Minister gave the gross national debt as $\$ 3,014,483,774.12$. Investments reduced this by $\$ 1,078,537,461.27$. leaving a net national debt of $\$ 1,935$, Drayton the proceeded to reveal how some of the Draytone then procey those in Government railways were not active but actually meant an obligation to the country. On this basis he transferred the inactive items from the investments and added them to th national debt. A total of $\$ 337,359,124.07$ was thus
removed from the investment side of the ledger to the


A Hampshiredown Fairand Sale in England.
yppewriters, books, and other articles for the blind to
In regard to the excise tax, Sir Henry said: "Not only is more revenue necessary, but extravagant and long as expenditure on non-essentials and extravagant expenditure continue, just so much longer will the drop in the value of essentials be postponed." suits of clothes Shoes selling for more than 89 , and suits of Clothes
ther or more than \$45, pay a tax on the absolute necesconsidered a rather severe tax to obtain a good pair of
sities of life. It is difficult to soots under 99 , and it is a question whether one gets as good value for his money when he buys a suit of clothes for less than $\$ 45$ than he would in a more expensive one. The budget has been severely criticizectand lower-priced commodities perhaps the Finance Minister's purpose will have been accomplished.
It is altogether probable that the one per cent. tax on turnover to be collected from manulacturers, wholesalers, or importers, will that this tax will be added to the invoices as the goods pass on from manufacture
wholesaler, retaic it will be noted, apply to imported as well as domestic-made goods, thus leaving manufacturers about the same amount of protection as they
previously had. However, the Finance Minister again promised a thorough investigation of the tariff, which
 polic:"," he said, "calls for a thorouch revision of the tariff 'with a view to the adoptrm of such reasonable
other side, bringing the actual national debt up to The currency
The currency situation in Canada was said to be
ond and large as it was the circulation was all required. good, and large as it wot responsible for high prices, and were it possible suddenly to deflate Canadian credits and circulation with the general demand for commodities that to-day existed the influence on the situation would
be negligible. Prices would continue high and the only result to the Canadian public consequent on the withdrawal of purchasing power would be stagnation of business, unemployment, and loss of production.
The Finance Minister reviewed the exchange situa ion between Canada and the United States and said it will be remedied and can only be permanently relieved when exchange advances toits normal position and Canada's interchange of commodities with the United States is reduced to a more reasonable ratio.

> Canada's Revenue.

The revenue for the fiscal year 1919-20, it was stated would reach approximately $\$ 388,000,000$, the largest was no less than $\$ 255,000,000$ greater than that of the first year of the war. Revenue for the fiscal year 1920-21 estimated on the basis of existing fiscal legislation, and assuming that values of importations for custom purposes should practically remain the
$1919-20$, should amount to $\$ 381,000,000$.

The value of a flax crop depends to a very large extent on the manner in which it is harvested and cared or. A small acreage well handled is worth more than a large acreage that produces nothing but green tow

AUTOMOBILES, FARM MACHINERY AND FARM MOTORS

Tools for the Garage or Workshop. Under the present conditions many owner-drivers of
both heavy and light cars are experiencing some diffiboth heavy and light cars are experiencing some diff-
culty in gettiog repairs done at the local garages and repair works, owing to a scarcity of competent motor mechanics

Many car owners are quite capable of undertaking their own repairs, or even a complete overhaul, with a
little instruction. The only dificulty confronting the little instruction. The only difficulty confronting the mat the dismantling and re-assembling of a motor car presents as little difficulty, and certainly as much pleasure, as a "jig-saw" puzzle, the average repair
garage would have a bad time. Motor car parts are garage would have a bad time. Motor car parts are
made within such accurate limits that they must go together again as they were taken apart.
useful and necessary tools.
The first matter of importance when undertaking one's own repairs is
necessary tools. The first item that enters the head is a lathe. The necessity of possessing such an expensive
tool seems to put many off the idea of undertaking tool seems to put many of the idea of undertaking repaired to make a hobby of experimenting or making new parts. It is a luxury that can be easily dispensed
with
In the majority of cases it would never pay for itself; it is much cheaper to buy new parts or to put turning work out
Before undertaking repair work the garage must be
set out in the most convenient way possible. Choose set out in the most convenient way possibe. Choose
the lightest end, under a window for preference, to set up a bench upon which to work. Care must be taken that it does not interfere with the convenience of get-
ting the car in or out. A convenient length is about ting the car in or out. A convenient length is about
6 ft ; the width should be not less than 2 ft .; and the height 2 ft 9 ins. The thickness of the top bards is usualy not less than 2 ins. Aternatively th the front
board is a a air width, say, 8 ins. or 9 ins., the others can be thinner, but not less than an inch. The bench is supported by three pairs of legs of not less than 3 ins.
square timber. If the bench does not exceed 6 ft in length two pairs of legs could be made to answer the purpose. These should be of 4 in. square timber, and
stand in about 1 ft from the ends of the top boards. It is a good plan to fasten the bench to the wall to secure rigidity
Having prepared the bench the next step is the selection of a bench vise. This is quite an indispensable
tool, and for ordinary motor car work a small one is all that is required. At the same time it must be strong.
A parallel vise with jaws not less than 3 ins. wide will answer the purpose, and it will be cheapest in the long run to buy a good one with steel jaws. The cheap
cast-iron vises are not a bit of use, as they are liable to break under any sudden strain or jar.
The vise is best fitted directly over of the bench or as near as possible to it centre support best position to take strains without being inconvenienced by the springing of the bench boards. It
must be securely bolted through the bench boards, with large flat washers on the underside. The correct height of the vise from the
floor can be judged by standing erect and bending an floor can be judged by standing erect and bending an
arm. The height of the elbow from the foor should
correspond with the top of the vise jaws.

When gripping soft metal or a highly-finished part When gripping soft metal or a highy-finshed part
in the vise it is advisable to protect tit from the rough
surfaces of the iaws. This is usually accomplished by Surfaces of the jaws. This is usually accomplished by
using what are known as vise-clamps. They are made of sheet copper, brass, or lead.
For a start a few For a start a few files are required. It will be
found useful to have two 10 in. flat files, one rough and
one smooth. Two half files of the same descript Yound useful to have two Two halin. frat files. of the esme rough and
one smooth. Tescription,
and a 38 -in. and a $1 / 4-$ in. round file. and a $3 /-\mathrm{in}$. and a a $1 /$-in. round file.
To ase a file eroperly is not as easy as may be im.
agined. The handle of the file is held in the right agined. The handle of the file is held in the right
hand and the extreme end by the fingers and thumb of the left hand. Comunence to file efrom the tip towards
the thande At the beginning of the stroke the the handle. At the beginning of the stroke the greatest
pressure is at the tip and the least at the hand. As the pressure is at the tip and the least at the hand. As the
stroke progresses the pressure is relieved at the etipa and
increased on the handle. At the middle of the strold increased on the handle. At the middle of the stroke
the pressure is equal at both ends
on the return to the original position the file should be slightely raised from
the work, as it only cuts one way. This is the secret the work, as it only cuts one way. This is the secret
of filing fat and evenly. A half-round and a round file of filing flat and evenly. A half tound and a round file
are sued in the same way except that a a urning motion
is impated to thom witl the right hamd in a
a selection of drills from $3-32 \mathrm{in}$. up to $1 / 2$ in., varying
by $1-16$ th inch
Dies and taps are expensive tools, but by $1-16$ th inch. Dies and taps are expensive them. It is
it will often be found convenient to possess the best for an amateur to buy as required. If he is the owner of a British car the nuts and bolts will invaniably
be Whitworth thread. Should the car be French they be whill be in millimetre sizes. American makers usually adopt the fine threads, 24 to the inch up to $8 / 8$ in. 1 Great care must be taken in using dies and taps, especially the latter. Use plenty of oil when screwing
iron or steel, and only cut the thread in a clockwise direction. If there is an inclination to stick give a half-turn back mid go on again. Do not violently turn in both directions or the cutting edges will be spoilt, and do not on any account try
metal; soften the part first.
metal; soften the part first.
For cutting bolts or metal a hacksaw is used. For measuring external widths outside calipers are needed; for measuring and gauging holes and internal work inside calipers; for truing surraces at right angles to one another a steel square will be needed; also cbain a
steel 12 in. rule. If it is intended to undertake brazing and soldering it will be necessary to have a petrol, a paraffin, or a gas blow-lamp capable of doing the work. A large soldering
iron about 12 oz will be required as well as a smaller iron about 12 oz. will be required as well as a smaller
one of about 4 oz. A good selection of spanners is absolutely essential. A full set suitable for motor car work shoutd range larger
3-16 th-in. nut spanner to $1 / 2$ in. For any nuts lare than this size, which are few, special spanners will be found in the car kit. Double-ended set spanners with to buy good tools, as cheap soft spanners spread at the jows and spoil the nuts. A set of box, or tube, spanners is also essential, and they should be strong but not too thick. Their chief use is for getting at nuts which are
not accessible to the ordinary spanner. Complete the nit by including a 6 -in. or 8 -in. adjustable spanner of a strong pattern.
All that is now required are a pair of pliers about 6 ins., with side cutters for preference, a small pair of pipe grips, a Stillson wrench or a pair of "Footprints"
are most useful, and two screw-drivers, one large and are most useful, and two screw-drivers, one large and
one small.

## THE DAIRY.

## Over Feeding the Calf

Over-feeding is a particular source of trouble in
rearing calves with some dairymen. This is especially true where skim-milk is being fed. With regard to this danger, Protessor C.H Eckles, Chief of the Dairy Hus-
bandry Division, Minnesota College of Agriculture,
venience, the calr at this age should be fed three time rather than twice daily. sufficient and throw sufficient and the milk may be increased, but at nos time By the time the calf needs more than 18 pounds daily. will take the additional feed necessary in the form of
grain."

Slacker Cows in the Dairy Herd Here is a statement by officials of the U.S.
Department of Agriculture that will bear widely among dairymen. The cow testing habit is not spreading fast enough in Eastern Canada. rate as milk production increases. This is why poor producers should be weeded from the dairy herdy poor ularly at this time when more milk is neerd partic feed is in demand, and when labor is scarce, when tions of 5,587 cows testing association records gathered by the United States Department of Agriculture from various parts of the country, covering a period of four
years, show that as the average butter--at years, show that as the average butter-fat production
increased from 150 to 200 gounds the cost of feed advanced from $\$ 21$ to $\$ 34$; that is over of 50 pounds, or $331 / 3$ per cent. in production gave an increased income of 62 per cent. over cost of feed. The next gain of 50 pounds raised the income over cost of
feed to $\$ 50$, the next to $\$ 63$, the next to $\$ 74$, the $\$ 87$, the next to $\$ 100$ and the last to $\$ 118$. As the butter-fat production increased from 150 to 300 pounds, the income over cost of feed advanced
from $\$ 20$ to $\$ 63$; in other word from $\$ 20$ to $\$ 63$; in other words, as production doubled the butter-fat production increased from 150 . When 450 pounds-that is trebled-the income ovends to feed advanced from $\$ 21$ to $\$ 100$, or almost five times as ${ }^{\text {much. }}$ "At this rate of increase, when only cost of feed is fat a year would show as much income over cost feed as twenty cows whose average production was 100 pounds, "A study of records, says Department of Agriculture, showed that the cost of roughage was about the same for
all the cows, regardless of production all the cows, regardess of procuction. The cost of grain was than for the low producers, but it was produch lower
cow per pound of butter-fat. The increased income, however,
though it should be credited in part to better feeding, was evidently duedmore largely to better cows."

April Records for Holsteins.
During the month of April the official tests of 173
Holstein cows and heifers were received and accepted for entry in the Record of Merit. In the mature class, 50


Evergreen Maid of Beauty 2nd
 ays: "Over-feeding is probatly the most common
ause of lack of success in raising cilves
a assume that because the cream bas been rentoved Prire recorded, headed by Princess Posch Albino, rom 685.17 lbs. of milk. Next Comes Rosa Lee Plus De from with 31.38 lbs . of butter Another five-year-old cow, Annie Shadeland Faforit, stands third, with 31.07 lbs. of mitter from 663.9 place is Burke Bo with 30.02 lbs . of butter from 681 lbs . of milk. In the senior four-year-old class for honors twelve contestants Pietertje Van Dyke, with 27.03 lbs, of butter from j87.6 Ibs. of milk. Fifteen
junior four-year-olds are
included, with Pontiac Segis included, with Pontiac Segis
Alcartra Prescott leading with 31.09 lbs of butter
from 491.9 lbs. milk. Next to her comes Madam Pauline Sylvia, with 30.52 lbs. butter from 526.1 lbs . milk. Segis
Alcartra Echo leads twelve senior three-year-olds with lbs. of milk, while next to her comes Segis Alcartra Keyes, with 29.60 lbs . butter
from 586.6 lbs milk. In the from 586.6 Ibs. milk. in class cords listed, Roycroft Mildred
 and Pioneer Albino Mechthilde following with .05 lbs .
less of butter from 574.6 lbs. milk. There were also
 12,627 lbs. of milw,
butter. Eight two-year-old records give S. C. M
Leonera Mechthilde first place, with $11,266 \mathrm{lbs}$. of milk, Leonora
488 lbs of fat, and 560 lbs . of butter
The Profitable Dairy Herd Sire
At the present time there is being carried on in the Province of
the scrub sire and the substitution of the pure-bred of the seast fairly good individuality and
at leceding. The at least amount of good in this direction can be worked
greaten the dairy herds of the Province, because it has
antong the athong the dairy herds orey that there is a greater
been ascertained by survey percentage of beef herds. This may be due in part to
than anong man herds that are classed as dairy herds the fatt that many herfs that are classene acing milk for sale, whereas they
because they are prodir than beef, being made up wholly are really no more dadescript breeding and carrying jus of animals of not dairy blood. Nevertheless, it is perfect ly true that in many dairy herds in some or market in dairy districts where milk is producen is a specialty on large quantities and where ser neirghbor's bull as the case
the farm, the herd sire, or the neig the cows in calf, the the tarm, the hept merely to get the cows in call, the
may be, is
calves being slaughtered for veal in some instances and new cows secured by purchase when some member of the herd must of dairying is in the long run the most that this met the dairyman, although it does eliminate for him the troubles and the difficulties of breeding The man who is constantly striving to improve his
erd or the man who buys in animals and who does not herd or the man who buys in animals and who does not set a high standard for his purchases if he were to inbetter of in inge a program of grading-up, which can be started stitute a program development of the herd and ca
at any place in the carried on at comparatively little annual expense. Ne.
many commercial dairy herds are composed altogethe many commercial unless the owner in in the pure-bred
 they are erearded as two separate businesses and the
reconized breeder of pure-breds is seldom in the forerecognized breeder of pure-breds is seldom in the fore-
front as a milk producer. Of course, there is always some surplus for sale but in his case the sale of milk
isecond in importance to the sale of young stock, which often require a good proportion of the milk produced
by the mature cows in order to keep them in good saleable condition. The commercial milk producer, instead of keeping cows as breeding animats, often which
them as machines for the manufacture of milk, which may become the principal saleable product of the farm.
milk may
A cow eeds be bo less a milk producer because she is a
bereder however and on most farms it would undoubtedbreeder, however, and on most farms it would undoubted
ly pay to see that the cow gets in calf to a good bull and to regularly grade up the herd
production. It does not stand to reason that any man would
not watt to improve his herd and that by the most
economical means Under certain circumstances, where economical means. Under certain circumstances, where
a dairyman is specializing very highly in mik production. a dairyman is specializizing very highly in milk production.
it might pay him to keep only mature miliking ows,
because then if he was a good farmer also he could stock the farm to its maximum with revenue producing ani-
mals. No young dairy stock would be kept to consume part of the feed grown and the fertility of the farm
would be kept up by the purchase of additional concentrated feed. Seldom, however, does this pay, especially where land is comparatively cheap and labor
comparatively dear The logical plan for the average
dairy farm seems to be the breeding method whereby by the addition from time to time, of the best of the young stuff bred on the
farm, This involves the building up of aood grade
herdd or the ctablishment of a pure-bred herd and the latter, as we have already said, is not practical in
many cases except after a number of years. In any plan of grading up, the herd sire is the pivotal
point so far as breeding is concerned, because if only a
pery few female are bought in any improvement that is point so ar as breeding is concenned, because the that is
very y femmales are bought in any inprovent
brough about must be secured through the agency of the bull that is used. Hence we are able to appreciate the
significance of the scrub bull campaign, which, if taken signifcance of the scrub bull campaign, which, it taken
advantage of le, farmers generally, will, beyond all
dount, have a very salutary effect on the dairy industry, The ekilifulu brecter is is the man who who ralizes the importance
of the sire that is used and it is not too much to say that ot the sire that is used and it is not too much to say that
no man can be succesful who will not do this. The
most expensixe econo bull because he is cheap. The introduction of hit
blood into the herd, if the latter be anyway good, wil undoubtedly cust more in the long run that two or
three times the cost of the bull. This does not only apply to the herd for which a herd sire is kept on the
farm, but it is. llo, true and with equal effect of the small
ent er herd, the owner of which does not deem it profitable
to keep a bull. ( ne of the most perriniusus and harnful
ideas cal ideas common, met with throughout the country i
the idea that m, or wo dollars is noough to pay for th
service of an exactly the - way as it is possible to buy any thin
elbe and you - Hom get more than you pay for. Po bulls are alw... priced at a poon price
In selectink, ar, hull for the herl, if it is deemed neeces.




Oppose Canadian Holsteins Going to England
Our English correspondent sends us an Agricultural Society of England the Central Chamber of Agriculture, The British Dairy Farmers' Association, the National Cattle Breeders' Association, and the National Farmers' Wnion, had with Lord Lee, of Fareham, British Minister Agriculture on April 19 The Yorkshire Post, of April 28 , reports this meeting in part as follows:
"Lord Crewe. chairman of the Central Chamber of Agriculture, who introduced the deputation, said Tisk of the introduction of pleuro-pneumonia and foot and mouth disease. This country was in the main an exporting country of the finest breeds, and if it were to remain so the general isolation of our herds must be maintained. Therefore the farming community asked importations of cattle of any sort or kind. the decision "Lord Lee of Fareham, in reply, said the decision was within the letter and the spirit of the Act, on the ground that the circumstances were exceptional," and that the anld be benefcial to the Holstein herds of the country if such animals could be introduced. It had been suggested that the encouragement of the Friesian breed in this country might lead to the deterioration of our milk standards. regard to these cattle was that they should be the progeny of cows not only with a certified milk record of 35 per cent, The permission to import which was given officially by Lord Ernle last year could not in fairness officialy by wn, and, indeed, under the conditions imposed, withdrawal was quite unnecessary. The Governpent had no intention of admitting store cattle from anywhere, and secen There had never been a place withon-and-mouth disease in Canada, and to that extent, therefore, the danger of the importation of dis ease from that country must be regarded as inninitesima The Ministry acceppe Ho bords that permissio to import should be given only very sparingly, and under to import should be guven as regards safety.
the most rigid precautions as

To Tighten Up Advanced Registry Rules.

## ing annual meeting of the Holstilu-

 Friesi in mith the Advanced Registry Tulcs. It will be noticed that this proposal is radica and its fate will be watched with interest."(1) The rules of Advanced Registry be changed to prohibit the milking of cows on official test for either short-or long-time test more than three times in twentyfour hours except in case a cow on test gives ninety pounds of milk in three milkings in twenty-four hours. It may then be permissible for the cow to be milked four times in twenty-four hours in so long as the cow produces one-hundred pounds of milk or more for each twenty-four hours but as soon as she drops to below one-hundred pounds of milk in twenty-four hours, she shall again go back to thre four hours long-time records shall be changed to elimate afl classes long periods except one period for nine months, 275 days; that the cow making a record for his period must have a fully developed and that for everv day she carried her date of restens anths her record shall be penali sed
her calf over twelve mont and reduced an amount that wirl in effect make. her record practically equal to a cow that had calved within Twegistry is hereby instructed to work out a table of of a cow calving atter twelve months from her last
frechening but still calving inside of fifteen months. In all cases the record shall be 275 days from the time That the rules of Advanced Registry bee
changed Toverning short-time records so that the period
of a short time record shall be ten days instead of seven and that no records for a short-time period be made "(4) To discourage the excessive fitting and the
ult resulting high percentage of fat test that the rules
governing both long-and short-time test shall be changed
 in her test period.
 average fat test due to excescive fitting was $6^{\prime \prime}$ "o or 30
pounds of butter-fat, this cow for record purp)ses would only be credited with $4 \frac{1}{2} / 2$ as an average fat test for
the 500 pounds of milk or $22 / \frac{1}{2}$ pounds of butter-fat

o the Dominio
o the Dominion Government to be incorporated a
absorbed into the vast Dominion Experimental Far System. To completely waive the we believe, be to a station ore, but we believe also that the time $h$ now arrived when the work of plant improvement, or
breeding, should be handed over to the Federal Departbreeding, Agouldture. There are three principal reasons or this as we view the matter. The better varieties is fact that the production of new andert and if results are to be secured for the country as a whole in the most economical manner, the work should be undertaken object. This is distinctly the fin Exederal F ment and the system of Dominion Experimental arms is the logical improvement, or breeding, which has for its object the creation of new and The second reason is exercise of that the work of plant breeding is work that though highly necessary, is ondy a much improved variety of peaches means nothing time the art of the grower carries forward the fundament al work of the scientist. The average grower seems to which is probably necessary, but does not concern him very much. The more progressive grower will often
ask that such work be done, but he does not concern himself with the way it is done. What he wants is results on all the phases of his business as ast as third reason
can be obtained, and this brings us to the third which is partly political although not so in a partisan way. The smaller the political organization the more
closely do the voters inquire into its affairs. As we get away from the school section and the township and
reach provincial and federal affairs we lose more of the detail at each stage. The business gets bigger and we men who are doing the work of the Dominion experience less interference thian do those doing ehe work of the placed as far away from the grower as possible. The
wisest plan would seem to be to place this work in the hands of the Government from whom the least amount of detailed explanation will be expected. The reason
for this is not because the work amounts to so little, to get $\$ 50,000$ from the Dominion for this work than it would be to get $\$ 10,000$ from the Province, because the results will o
knoweth the hour
Practically all purely research work in Horticulture might, we bere, be also undertaken by the Dominion
for the same reasons. It is true that at present they would not have a great deal to take over, but there is
available a very wide selection of abstract problems that, if solved, would greatly benefit the grower, the Province and the Dominion. Cultural work on the other hand,
and all other work directly connected with the work
of production of production, comes decidedly within the domain of the
province rather than of the Dominion as we believe this is province rather than of the Dominion as we believe this is
so understood. Production problems are the ones that the growers are directry interested in and they have a right
to look to the provincial authorities for their solution We are of the opinion that all of the facilities of the
Vineland Experiment Station could well be devoted to the working out of cultural and marketing problems station for purposes of plant breeding could be purchased by the Federal Department and operated as a distinct entity from the Vineland institution, to which the One of the chief difficulties at the present time is the fact that the growers and the experiment station
men do not know each other well enough. This is an
outstanding mistake. The should get out among the growers on any and every possible occasion. Similarly the growers should visit
their experiment station so that if at any time they their experiment station so that if at any time they
should desire to say anything about it they might have some knowledge of the facts. An extension service it costs the Province about $\$ 40,000$ per year to carry the
institution, double the results could be secured if a institution, double the results could be secured this
little more money were advanced to safeguard this investment by providing an adequate extension service
There has been good work already done at the Station that the growers do not know of. There are capable
men on the Station staff whom the growers do not know and who could offer valuable assistance in many cases

## POULTRY.

## Swat the Rooster Now <br> There is nothing that can now be done in the poultr yard that is nurrly so important in the production ens <br>     

are severe, he becomes a distinct menace to the poultry
industry. It has been estimated that seventeen per cent of all eggs reaching the wholesale markets have no
commercial value, having been spoiled from one cause or another and that of this amount five per cent. is due
directly to the fact that the eggs are fertile and that they nutain partly developed chicks. This enormous summer of spoiled eggs accumulates chiefly in the Remove him from his immediate transfer to martyrdom. eggs and you remove the trouble arising from fertile vges. The following are some of the arguments adeveloped; withstand heat; bear shipment well; a easily preserved; are slow to decay; best for cold storage
less costly than fertile eggs; male birds not required and are produced just as abundantly as fertile eggs.
The rooster in the flock from now on will do away with In the summer of 1919 Canada had a poultry population amounting to $34,645,238$, of which probably that we still have the same poultry population there are present on the farms of Canada about $\$ 1,500,000$ worth of roosters that should be swatwed the flock for one month they will easily cost the country a quarter market eggs they will be the means of spoiling. These oing a little figuring and of course, but we have been but even the endeavor of an honest person to figure here brings to light an enormous loss. Even half this
loss per month would be an enormous price to pay just loss per month would be an enormous price to pay one is now urging the other fellow to help onward
campaign for production and thrift. Thrift in the poultry yard now means swatting the rooster. has shown up these severe losses from bad eggs in the summer months and all co-operative farmers' organizaions that are marketing eggs in a wholesale way a
inding it absolutely necessary to candle all eggs received. The dealer who buys eggs that are not canded knows that he must sustain a loss and pays the producer accord-

## FARM BULLETIN.

## Raising the Standard.

In consequence of narrow and shortsighted Civil Service policies in relation to the recognition of capable
experts in the Canadian Federal Department of Agriculture, The Farmer sedidvocate wast in order that the time ago to enter an editorial pe retained. There doubtless are retrenchments for frills and political sinecures that and a hungry continent call loudly for an augmented output of agricultural products, it does seem forty to eripple the energies of a department as marquis wheat, to cite a single instance, and which gives reasonably vood promise of applying continued stimus and not alone in being afflicted by a type of administrative cesearch. Through the efforts of capable expects under the United States Department of Agriculture millions of actual dollars have been saved and antry by such field and animal products of Egyptian cotton, Kaffir and other grain sorghums and Durham wheat, and campaigns against Bole weevil, cattle tick, hog cholera and other plagues. The whole American appropriation for strictly agriculturater the saving each year on hog cholera alone. By cutting down funds, such work for the future is crippled and many of er mate industries.
drafted from public service into private statement of twenty-five employees who left the
department in about a year and a half shows that the department in about a year and a hall shows them on an average nearly $\$ 3,250$ each per year more than they received from the
Government. The head of a market bureau with 1,318 men under him and receiving $\$ 4,500$ per year entered
a position as general manager of a fruit-grower's organa position as general manager on expert in the office of
ization at $\$ 20,000$ per year. An
farm management drawing $\$ 3,500$ went to an outside farm management drawing $\$ 3$, receiving $\$ 2,500$ went to a harvesting implement company at $\$ 4,500$. One man
in the Bureau of Chemistry receiving $\$ 3,000$ went to a in the Bureau of chemistry). Another left to be the
trade association at $\$ 6,000$. Eastern Representative of a Louisiana concern at $\$ 10,00$ and a $\$ 30,700$. A box inspector at $\$ 2,000$ was engaged by a Chicago comber compan
expert in the chemistry bureau was given a position by a private concernhot exception these persons were loath to leave the Government service and masy than they received elsewhere but under exist the difference in
with the responsibilities to their families then

for the greater financial prizes offered in commercial undertaking. Now, there are reasons doubtless, why
Governments or local boards of education cannot uniformily keep pace in the scale of salaries with purely
 permanence of employ and provisions for old age;
but the day has arrived for a levelling up process and the application of some more equitable measurifs stick world is groping towa dollar-accumulating gilt. Tion world is groping towards a millionaire is clearly on the wane and one has only to read the newspapers to discern as one of the
signs of the times that the ethic of the Nazarene is making its way. "I am the ethic of the Nazarene serveth" blackbord in might well be inscribed on every schoo and bank and factory and Legislative hall where it would shine as a reminder that there are some things more potent than Round Robins and
The encouragement of farming is something that deserves the commendation and active support of citizens gnerally. Reasons there are, as plain as the nose on a
man's face, why it should be made attractive if its depleted ranks are to be adequately filled, as pointedly urged in your issue of May 6th. Though admittedly advantages, the value of which are too readily forgotten, it has been carried on and in some respects will be under arduous conditions and with an amount of investment and greater leisure for the farm family. Governments are, therefore, in duty-bound to make conditions such as will equalize the emoluments of rural life compared with those of the town, on the principle of the whiffleproduction. In all fairness we ask that our efforts be seconded by a corresponding growth of industrial output, else the rising price of mowers, shoes, sugar, groceries, fencing, As swallow up too great a proportion of "Come over and
the man from Macedonia once said: "Comer help us!" Nothing will do more to stabilize this country than popular and contented rural communtes. Washington, Edward T. Meredith, who combines a good knowledge of farming, business success and a sympathetic attitude toward labor, concedes the ex farmers which is having the effect of curtailing effort and of exceptional conditions the farmer did fairly well in 1918, but by 1919 the doubling increase of wages and of all the elements in his cost of production overlook and passed the increases in the price fair wage. Farming, that he did not make, must be made remunerative in a way it has not been in the past, otherwise the country will face a most serious menace to its welfare. The cost of distribution must be simplified and lowered distribution in too much. It means that the farmer receives far too little of the total and the consumer pays too much. The farmer will do his share if met in a fair and co-operative spirit by the consuming public, by
labor and the business world.

## St. Paul Wins King's Plate

The King's Plate, Canada's oldest turf classic, was
at the Woodbine, Toronto, on Saturdy, May 23 , when St. Paul, a Gidding's entry, won by a lead of our
lengths over his nearest rival. Interest in the horse and turf, which was allowed to renewed vigor for never was such large attendance ever seen at the Woodbine on any previous occasion. Flourteen not until the corner was turned on to the home stretch did Romanelli, the jockey, bring St. Paul into the lead. He then finished four lengths ahead of Bugle March with Primo coming third. Hary Gidaingor Oakvile successes at these classic events with the following horses Successes at these classic events at in 1913 and Beehive The Seagram entries, Gallant Kitty and Crown of

Powder Factory Patrons Discuss June Price of Milk
The association of patrons of milk powder factorjes
Western Ontario held a meeting in the office of the Ontario Department or Agricuture, woodstock, on price of milk for the month of June. There are fourtee local milk producers' associations interested in the milk powder market, and representatives of ten of them were present at the meeting, which was productive o
much discussion. Considerable concern was expressed over the fact that the cheese market has lately been relatively more profitable as an outlet for milk than practically any market except the butter market, and it was felt that in all fairness the price for June milk
thould be higher than for May. At the same time there should be higher than for May. At the samket the milk
was no disposition to crowd their own market, the powder factories, and it was only after much discussion power fact decided to ask for a price of at least $\$ 2.60$
that it was Crequest will be pereferred throush the Ontario Milk and
requan Producers' Association, and the decision was

Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending May 20.


Receipts and Market Tops.

| Week | ReceiptsSame | Receipts and Market Tops. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CATTLE |  |  |  |
|  |  | Week | Week | Same | Week |
| Ending | Week | Ending | Ending | Week | Ending |
| May 20 | 1919 | May 13 | May 20 | 1919 | May 13 |
| 6,628 | 7,164 | 6,191 | \$15.00 | \$15.00. | \$15.50 |
| 682 | 895 | 696 | 1590. | 16.00 | 15.50 |
| 449 | 627 | 542 | 15.90 | 16.00 | 15.50 |
| 1,402 | 1,755 | 1,140 | 17.00 | 14.00 | 16.00 |
| 428 | 1,414 | 565 | 15.75. | 14.50 | 15.35 |
| 259 | 580 | 409 | 15.50 | 16.00 | 15.25 |
|  |  | HOGS |  |  |  |
|  | Receipts | Top Price Selects |  |  |  |
| Week | Same | Week | Week | Same | Week |
| Ending | Week | Ending | Ending | Week | Ending |
| May 20 | 1919 | May 13 | May 20 | 1919 | May 13 |
| 8,133 | 5,729 | 4,920 | \$20.60 | \$23.00 | \$20.25 |
| 1,137 | 1,516 | 1,428 | 21.50 | 22.25 | 21.00 |
| 667 | 814 | 1,095 | 21.50 | 22.25 | 21.00 |
| 2,613 | 4,240 | 2,161 | 22.00 | 20.50 | 21.50 |
| 418 | 2,255 | 570 | 22.00 | 20.25 | 21.25 |
| 579 | 614 | 654 | 21.50 | 20.00 | 21.00 |

Dominion Dopartment of Africultew, lio
Stock Branch, Markets Intolifgone Dh ratoo

## Cheese Markets

$\qquad$ pecials, white and colored, 1 current make, specials, white and colored, 288c. St.
29c.; average run, 27 c to 28 c .
larkets



MAy 27, 1920

## Toronto Produce.

## Breadstuffs.

Manitoba Wheat. - No. 1 northern, s3.15; No. 2 northern, $\$ 3.12$; No. 3
northern, $\$ 3.08$. Manitoba Oats.-No. 2 C.W., $\$ 1.163 / 4$ No. 3 C . No., 1 feed, $\$ 1.131 / 4$; No. 2 feed, \$1.14\%/:
Manitoba
Barley. - No.

$3176_{1}^{1 / 2}$ No.
4 C. W., $\$ 1.591 / 2 ;$ rejected $\$ 1.541 / 2$; feed, $\$ 1.541 / 2$
Ontario Wheat. - F. o. b. shipping


 A. American 3 yellow, nominal, $\$ 2.40$, nominal. Ontario Oats.-No. 3 white, $\$ 1.10$,
nominal; according to freight. Barley.-Malting, \$1.87 to $\$ 1.89$. Barky. Meat.-No. 2, $\$ 1.75$ to $\$ 1.80$.
Peas.-No. 2, $\$ 3$. Peas.-No. 2, $\$ 3$.
Rye.-No. 2, nominal; No. $3, \$ 2.20$ to \$2.25. Manitoba Flour-Toronto, Government standard, \$14.85.
Ontario Flour. - In the jute bags, prompt shipment, Government standard nominal, Montreal and Toronto,
Hay. - Track, Toronto, No. 1, $\$ 30$ to Hay.- Track,
\$31; mixed, $\$ 25$. Straw-Car lots, $\$ 16$ to $\$ 17$. freights, bags included: Bran-per ton,
$\$ 51$; shorts, $\$ 61$; good feed flour, per bag, 53.75 to 84 .

Hides and Skins.
Hides, f. o. b. country points - Beef
hides flat cure, 18 c . to 20 c .; green hides, 22 c . to 24 c .; deacon or bob calf, $\$ 1.50$ to 32; horse hides, country take-off, $\$ 8$ to $\$ 9$; No. 1 sheep skins, $\$ 2.50$ to $\$ 3.50$; yearling
lambs, $\$ 1.50$ to $\$ 2.50$; horse hair, farmer's stock, 42 c . to 45 c .
City Hides. - City butcher hides, green flats, 22 c. . calf skins, green flats, 35 c .;
veal kip, 25 c .; horse hides, city take-off, $\$ 8$ to $\$ 10$.
Tallow.-City rendered, solids in barrels, 15 c . to 17 c .; country solids in bar-
rels, No. $1,12 \mathrm{c}$, to 15 c .; cakes No. $1,15 \mathrm{c}$.

## Farm Produce

Butter.- The market was verv much
lower on butter last week, fresh-made creamery pound prints, being quoted a 60 c . to 62 c . per lb .; fresh solids at 58 c .
to 60 c . per lb.; cut solids, 60 c . to 61 c . lb. new-laids selling at 52 c . to 53 c . per doz.;
wholesale; new-laids in cartons at 55 c . to 56c. per doz.
Cheese. -
Cheese.- Cheese again advanced, the
old selling at 35 c . per 1 b ., and the new at 33c. per Ib., wholesale.
Poultry.-Poultry is in good demand, but receipts are almost nil, with prices
keeping practically stationary. Poultry prices being paid to producer: Chickens,
per lb., alive, 30 c .; dressed, 35 c .; chickens, milk-fed, per $1 \mathrm{~b} .$, dressed, 40 c . Duck,
per lb , alive 40 c . Henc, under 4 lbs, per lb , alive, 40 c . Hens, under 4 lbs .,
per Ib ., alive, 32 c . per lb ., dressed, 32 c .;
hens, from 4 and 5 lbs , per lb., alive, 37 c . hens, over 5 lbs., per per lb., alive, 40 c .;
dressed, 35 c . Turkeys, per Ib., alive, 40 c . dressed, 45 c . Guinea hens, per pair, Wholesale Fruits and Vegetables. Apples.-Domestic apples are prac-
tically off the market, some small shipments which came in during the past
week selling at high prices; the Western Winesaps being slightly weaker. Strawberries are also arriving freely Tomatoes.-Hot-house tomatoes came ceedingly high prices.
Asparagus. - Home-grown asparagus was shipped in very heavily, and though Beans.-Driol white beans showed a New cabbage and onions are quoted at
materially reuluced prices, but are a glut Car market.
Can carrots kept about
stationary, the small offerings of old
showing, showing a firming tendency go higher; the thed and are expected to
this season arrived on ow ones for

THE FARMER'S ADVOCATE.

## Chicago.

higher; - top yeef stersings, steady to to top heary
 to strong, bulk butcher cows, 88.50 to si0.25: bulk canners and cutters, 85
to $\$ 7.40 ;$ bologna bulls, $\$ 8$ to 88.60 ;
 to 814.25 . pigs, mostly steady, bulk $\$ 1.50$ to 812.50
Sheep-Lambs steady to lower: sheep.


The Cure for Discontent
"For there is a perennial nobleness, he never so benighted, forgetful of man that actually and earnestly works; in idleness atone is there perpetual despair
So spoke Thomas Carlyle, and he spoke the thoughts that were actually in his heart. Carlyle was a worker. His literary masterpieces did not flow readily was laboriously constructed, and painstakingly polished. The great philosopher preached the doctrine of work. He believed that a nation could not prosper, or indeed surviftess and superficial. Carlyle's doctrine of work ought to be preached in every town and hamlet throughou Canada to-day. There are too many people on this continent co-day who believe, in the ethereal, half-hearted way, work were done by the individual. No intelligent or generous-minded person believes that men and women should be forced by economic conditions to work hard at distasteful tasks. On the con trary, come to realize that sweat-shop conditions must be abolished, and that the worker should be paid as generously as possible for the work that he does. All this, however, has nothing to do with see drudgery abolished, but we cannot allow ourselves to lose our appetites for work. It is this appetite for work that is in danger of being impaired, and if it is impaired, no social or industrial schemes, however, ingenious as to be, will save us from economic stagnation, and the black discontent and poverty that goes with it. Theorize how we may, we cannot escape this fact The lazy man is a hopeless man. The poison of discontent runs through his system. He is eye The shortening of his hours of work and the increasing of his wages really bring him no comfort they only strengthen the stream of
poison that courses through his system. poison that courses through his system.
We have left five giddy years behind us, and the excitement of these years has left us unbalanced and somewhat jaded The glamor of war has gone and the
sterner discipline of peace has taken it place. That discipline will become stern er as days pass. $t$ is irksome, ador ment of war, and we are loath to submit to it That is why so many of us ar vainly looking for some Utopian scheme that will save us from the necessity of
buckling down to our old prosaic tasks buckling down to our old prosaic tasks On the cold, grey meready listeners to any well-meaning theorist who propounds the doctrine of Less Work and More Play It is a comfortable doctrine for a nation that is suffering with a headache and a brown tongue, but we must discard it the iron is waiting there to be molded the coal is lying there waiting to be mined we are surrounded on all sides by work that cries aloud to be done. The sooner and the sooner we will get out pay. And in the doing of it, we win
if we work hard and conscientiously This Doctrine of Work is a bleak and unpopular doctrine, but it should be
thundered out to-day throughout the length and breadth of Canada neverthe less. Not until it is accepted by the peopl

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young man
now I ame
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and io 1 mean
So top 1
kep mounting
I have been
sea-level, and
seal-ever,
Istard,
enterprise.
enterprise
is not to
in good spirit
This sense
and
findin and peacearsing. I went on with a light spiritual ear as I and sang songss to the spiritual ear as 1 advanced." Love of
the sea and love of his art were hie great talismans to felicity. In much that he wrote, especially during his latet years, the throb of the sea is an abidingly present overtone; no one had up to that
time interpreted time interpreted and described so well
its moodiness "constant to change.". will never leave the sea," he says; "it is only there that a true Briton lives; my poor grandfather, it is from him that I inherit the taste, I fancy, and he was
round many islands in bis day but round many islands in his day; but $l_{\text {, }}$
please God, shall beat him at that belore the recall is sounded." In another leterer is found the following: "This clinate, these voyagings; these landfalls at dam;
new islands peeking from the morin; new islands peeking from the morning
bank; new forested harbors; new passing alarms of squalls and surf; new interests of gentle natives-the whole tale of my
life is better to me than any poem." Of the joy he found in his work erpressions abound throughout the four though I have already quoted so much, I cannot refrain from culling extracts from the letter announcing the beginning of Treasure Island, that tale of the jopous improbable, roid in a limpid, style. Hee
had been writing "crawlers," his name for stories of a wierd tendency, such as Thrawn Janet and The Body, Snather and others which he failed to complete, but he interrupts this work for new books
"If this don't fetch the kids, why they've gone rotten since my day. Will Buccaneerp, that it begins in the 'Admiral Benbow pubbic house on the Devon coast, that it's all about a map and a
treasure and a mutiny, and a derelict ship, and a current, and a fine old Squirt Trela wney (the real Tre, purged of litera ture and sin to suit the infant mind) and
 Che chorus 'Yo-ho-ho and a botte of
rum' (at the third ho you heave at the capstan bars) which is a real buccaneer's song only known to the crew of the late maptain Flint died of rum at key weest much regretted, friends will please acepep
this intimation): and lastly, would you be surprised to hear, in this connection the name of Routtledge? That's the kind chapters have been written and tried on Lloyd with great surcess; the trouble neers without oaths - bricks without have to be consultted. the fond paren a day I mean to do; they are short; and perhaps in a month The Sea Cook may of rum! . . It's awful fun boy's stories; you just indulge the pleasure of
your heart, that's all: no trouble, no your heart, that's all; no trouble, no
strain. $O$ sweet, $O$ gencerous, $O$ human toils. You would like my blind beggar
in chapter III I believe; no writing, just rive along as the words come and the pen will scratch

## Author of Boys' Stories.

But despite this effervescence of high spirits, and the charm of manner which made, itself felt even, to the effect of
joyful service, by South-Sea Islanders,
still the friend of my heart" In another pear to embody a negation of the very
place he writes: "Rightly looked upon, it
existence of happiness, to have for is ourselves that we cannot forgive , when we refuse forgiveness to our friend. best in his attitude to his health, to use what is perhaps a pretentious term in his
case. In the books published during his life-time there is one sole reference to this, writes, "the medicine bottles me, my chimney and the blood on my handkerchief are accidents; they do not color my view of life: and bashould think introduced the world to these unimportan privacies. And we find one of
critics adjudging him, with his books as the basis, a "rosy-gilled athleticoosophy would not do for "those who are shut out from the exercise of any manly naturally, tell a different tale. Here is an extract from one to George Meredith For fourteen years daye not real health. I have wakened sick and gone to bed weary; and I have done in bed, and written out of it, written in torn by coughing, written when my head swam for weakness; and for so long, recovered my glove." Yet in the face of find him referring to hemorrhage from the lungs as "his old friend Bluidy Jock," 24 , 1884, writing:"If you are in love with repose, here is your occasion: change
with me. I am too blind to read, hence no reading; I am too weak to wald hence no walking. I am not allowed to speak, tion has yet to be named; for if this goes on, I shall sool have nothing to eat-and
hence, O Hallelujah! hence no eating." It is pleasant to remember that he lived
to retain, as a result of his last despairing recourse, a trip to the South Seas, to
attain to a measure of health undreamed ingly than otherwise, on "the pallid brute
that lived in Skerry vore like a weevil in a The mest compelling and pervading morod of Stevension was one of zest, the fi life, and mover dissonis hanted from it, beank and therre she winn al momel is. with thir pans sultulus atiaull ath woman, going autohappe or umhape from a sense of duty,
I suppe se, surly at luast from no sense Wout like a lad drame "Why don't mal awake? There is them momen rising in cat roven and stili glad and conscious ain, and whate ther know nothing of turame, "l less petulantly, in his (1) pumen in fly (ssens, and theary imme in 1 Chide's Garden of
ame

R
Shim as lying and not writing), whowen, in his owm words. "qirted at by
the place of a writer of classiss, both with
the pablic and vith criticis. But this anthem of eulogy, sincere a regan will beieve tit has, at teast With all his gaiety and irrepresisin Pollyanna; his was no gross, atter-didner optimimm, the result on smoothy-operat
ing gastronomical and financial machinery. He underwent a wholesome fh
of the blues now and then, and was the stronger for it. "How the year slips by "and we walk in lititle cycles, and turn in little abortive spirals and come out again,
hot and weary, to find the same view
 Only, bless God for it, we have still the
same eye to see with and if the sene be
 "You are quite right, our civilization hollow frad. All the fun of life is lost
by it: all it zains is that a a larger number of persons san continue to be contempor-
aneously unhapy on the surface of the


 in all hist thirstity odd odo uolumes, thoush $T$ he Master of Ballantre and Martheim among oethers, show what he gazed into
the deeps of life and saw more than his There was in his nature a fund of
generous anger which leaped into blaze get trout sight of any unneecessary paino or
in ustico whatever sort. even, pariend
 His own nickname tor himself was "the
OId Man Virulent," in allusion, it is explained, "to fts of uncontrollable angec to which he was ontern nus ject ins in atces of
fits ocacasioned sometimes sy official stolidity or impertinence, or what
he took for such more often by acts savoring of of culty, meanness, or in-
justice,
On one occasion (it was during his life at Valima) two of his work-
men were found to have shirked a picee of work assigned to then, and his reproot
is thus describect in his own words: of is minin tered my redoubtable tongue it
is really rectoubtable-to these skulkers. is really redoutable to these skllers.
I am a real employer of thabor nuw, nad
and $W^{\text {charms }}$ the serret on this writer's which gave him the power of winning the
estem and the affection, personal to a degree matched by only one of twe
writers of our literature, which followed him in his life to all the many corners o the earth which he suceessively pervaded,
and tainty to follow his personality as evinced
in his work for the twenty-five years which have elapsed since his death? Il
one of his critical essays he remarks, in reference to writers in general. "It is
not likely that posterity will fall in love
not with us, but not imposible that it may
respect or sympathize and so a man portrait of his spirit than a portrait on
is face, fipurua animis
muaris
quan






 ombined affection for the man and
dmiration for the writer as are sclloment anjoned, white othenssen thy gewnt out venturing to arraign the character of If if anywhere, that Stevens Ths is most inexpuyn nable in the literature personality his leters and the best of his ssays stand alone. Thus we see the the clewer lads in the reviews," occupying
$\square$
egation of the very
s, to have found sit o have fovery
the cause of the earch for romance. ate adventure, such coyagers." "tevennes, delight nnity or semi-paga
abble among dishe abble among dishe takes no share i $d$ sang songs to $t$ vanced." Love is art were his ty
felicity. In mur
lly during his lat sea is an abidingl one had up to tha nt to change." e Briton lives; $m$ s from him that incy, his day he wat
him at that befor In another lette g: "This climate from the mornin
rbors; new pasin whole tale of my
an any poem." an any poem. roughout the four quoted so much, iling extracts from
the beginning tale of the joyou awlers," his nam
tendency, such a he Body Smathene ork for new boo
h the kids,

 | on the Denof |
| :--- |
| $t$ a map pend | d a fine old Squir infant mind) and a sea-song with and a botte

you heave at th rew of the late ill please accept
tly, would you n this connection
That's the kin our eyes. Tw
; the trouble
oaths. Buccarricks without y are short; and
ful fun boy's
he pleasure of
0 trouble, no no trous, o human
nerous
mind beggar ; no writing, just
so that it was said that you never saw a Samoan run, except Scottish Covenanter wasout him which, though it manifested itself at times with abundation, is exin his actions and conified form in some pressed following of his maxims: "Acts may be forgiven, God "Himself cannot may be for hanger-back." "No man is any use until he has dared everything.
"The man who forgets to be grateful has fallen asleep in life." "We are not meant to be good in this keep on trying, and when we get a cake to say, 'Thank God,'
and when we get a buffet, to say, 'Just and when we 'get a buffet, to say, 'Just
so: well hit!" "I meant when I was a young man to write a great poem: and
now I am cobbling little prose articles and in excellent good spirits I thank you.
So too I meant to lead a life that should keep mounting from the first; and though I have been repeatecarce higher than when
sea-level, and am scarce sea-levted, I am as keen as ever for that
enterprise. Our business in this world is not to succee
in good spirits." the unattainable in life and in art haunts much of his work,
finding clear expression in some of his most wonderful essays, El Dorado, Aes
Triplex, and Pulvis et Umbra. "There looking men, and although we dwell on small planet, immersed in petty business
and not and not enduring beyond a brief period
of years, we are so constituted that our hopes are inaccessible, like stars, and the term of hoping is prolonged until the term
of life." In respect to his art he speaks out clearly, though gayly: "I beg to in-
form you that , Robert Louis Stevenson, author of Brashiana and other works,
am merely beginning to commence to
prepare to make a first prepare to make a first start at trying to
understand my profession. O the height and depth of novelty and worth in any art!
and 0 that I am privileged to swim and shoulder through such oceans! etc." An outhurst of my dreams, that shall never halt, nor wander, nor step aside, but go ever
before its face, and ever swifter and louder essay on Thoreau we find the following: "To hear a strain of music, to see a
beautiful woman, a river, a great city, despair of his Lilliputian arts in language This sentence is, however, a portion of
such a passage as gives us to recall his
own words, "There need be no despair for own words, "There need be no despair for
the despairer." Few have come nearer to capturing and expressing in terms "the
incommunicable thrill of things," those unheard melodies which are sweeter than
the heard. He yearned effectually to the heard. He yearned effectually to-
ward "inaccessible El Dorado," though he, more than any one else was not perto me that one cause of his recurrent
depression during his last months was work, which accerdiagly vanished as he ters of Wier of IIermiston, and in the act
of attainment canght a new vision of the
unattainable been written alhont them that the critics
best service were, if possible, to let them speak for themsches. Perhaps more in in a tone of despakiring admiration, of his his writing, and with other particular occasionally,
in late years, a dissentient voice. This i
not to not to be wondered at, though this faculty natural and growing rank as seemingly so so so exemplifies
nhat. Josepl hysterious, almost miraculous, power of possible of detection which is the last
word of the highest art," and to miss that ircem by but a hairs-breadth, is so
irediable, that it is not strange the nividual should go grotesquely astray,
and that time should be a concomitant
in criterion. Trule, for its beauty, vigor
and feetness, the style of Stevenson appears one of the minor wonders of the cause he confessed his methods as an
apprentice, laying bare the machinery
of his worksher his style a directly, derivative one, mistake art for artifice. To these people, mand to
 style, yee whovenly and ungrammatical
us an essentially that they show
diferent Stevenson than resulting from his having taken off his
coat and collar, and donne coat and collar, and donned a dressing-
gown. In fine, his style is really a most
unobtrusive one, abounding though it
 realize that it kept changing in accordance
with the matter, and with the author's
development. The flavor of, for instance Travels With a Donkey, is not that of
Trasure Island, any more than the style
of Virginibus Puerisque is that of the essays in Across the Plains, nor yet, in
this particular, is The Master of Ballan-
trae, surely an achicvement in atmosphere to be compared only with that shown in
Esmond. Had Stevenson been granted
to complete the to complete the fragment Weir of Her-
miston as its beginning demands, critics
would be at no pains to designate his would be at no pains to designate his
niche in literature. It would be near,
but scarcely below, the creators of Adam Bede and Henry Esmond. As it is, his
rich variety, and seeming facility of beautiful diction, toil-bought though it
be, entitle him to the name Tennyson of
prose prose. Through all his compact and
sentiment wordmanship (he is a very
D'Artagnan of words) there breathes the aroma of a splendid soul, one pre
occupied not solely with art, but greatl occupied not solely with art, but greatly
with life, and with "a transcendently
lovable part of it." "Vital-- that's what I'm at, first: wholly vital, with a buoyancy picturesque, always with an epic value of mind's eye forever."
Waiting, a mere child, on a Highland
jetty, for his father's boatmen; clinging to jetty, for his father s boatmen; clinging to
a floating tree in a river in France, on
ship-board in the Hebrides, "restless and questing as a spaniel;", walking the artistically bizarre garments and an
almost Werterish melancholy; marshalling his leaden battalion for elaborately
scientific campaigns in the attic at scientific campaigns in the attic at
Bournemouth; crossing America in a
nauseous immigrant train; cruising in the nauseous immigrant train; cruising in the
Pacific amid combined perils of hurricanes, a rotten main-mast, and the
doubtful intentions of natives, taking an axe from the hands of a mad Samoan boy; preparing with gusto for a state of
civil war on his island; addressing a concourse of Samoan chiefs who had done
him the unprecedented honor of building for him with their own hands the Road of Loving Hearts, in gratitude for the
freedom which he had obtained for them, freedom which he had obtained for them, -in avoring life with a smack, and regarding git
with the eve of an artist, as though seeing with the eye of an artist, as though seeing
everything for the first time, the spirit of
Stevenson "has pessed ineft Stevenson "has passed ineffaceably into
happy legend," and still lives to persuade us that "there are always high and
amusing lives to be lived."

Artichokes vs Potatoes The Jerusalem Artichoke is an admir-
able potato substitute, while the Globe
Artichoke is the great salad plant, and
is seldom met with except en the tables of is sedome met There is no reason why
the wealthy. The a garden spot should net
any one with The Jerusalem Artichoke needs rich
potato ground for its growth. Plow decp potato ground for its growth. Plow deep
and make the ground finc. Plant in May;
Cut the tubers as you do potatoes fir planting, allowing one or two eyes to a
piece of tuber. Plant one or two feet
apart in rows three feet apart and cover with a couple of inches of soil.
If the tubers you plant are small, and
I have had excellent results with such, I have had excellent results with such,
put 2 or 3 in a hill. Thice bushels of
tubers will plant an acre. Cultivate frequently and keep out weeds. Tubers
will be ready for use in October.



 and so they do their own digying and
ome weeks of fine feeding for pigs in the spring at a time when they just need
such a tonic. The constitution and vigor
manifested in hogs so fed shows for itself the great value of the artichoke for food each year. It is the only way to have aPrepare your garden soil by working into
it a lot of well-rotted manure. It doesbest on a rich sandy soil; is a hardy
perennial growing from 3 to 4 feet high
and an ouncoPlant in May and when the plants2 feet apart in the row, having the rowsbe bearing till the second year, and thebed should be mulched on the approachof cold weather. Cultivate often. A bedfor several years. The bur cr flower-
bed is the part of the plant that is used,and these should be gathered before theblcssoming part appears. By carefully
gathering the burs sogathering the burs so that the flower
Throughout the season.ready for use in July, and if a few of theflowering plants have their tops lopped
spurred on to send out new shoots, which
blanch just as celery is blanched, and
of many appetizing salads.their thrift in cooking, make great useago this wonderful vegetable. They longago discovered how rich it is in phos-food it has valuable tonic properties greenlood it has valuable tonic properties that
should commend it to all persons whofood it has valuable tonic properties that
should commend it to all persons who
have the preparation of food.

## Your Health

## Wednesday Half-holiday for the

OME farmers are progressive. Listen to the suggestions of this successfu
farmer. (He was formerly a school acher, but that is nothing against him) He believes that you can plan your work so that everybody can be free on Wednes day afternoon. You have always planned
to have Sunday off, why not Wednesday afternoon too? What would you the half holiday? Go to the Community Hall, and have a programme of sports for the young, baseball, lawn-tennis, etc., fo
the married, lawn-bowling quoits used to say "horse-shoes"). ${ }^{\text {qu }}$ Then lunch, then a dance, or a concert. Then everybody would live longer and die
happier. I wonder if we will ever to see it. Wonders never cease. Stop


ball or football or hockey or tennis. They-
honest hard (and that means a lovewpe. If he gets on the first team, he
mabits of eating and slecping. So
the university or better yet, the O. A. C
and McDonald Hall at Guelph, by insist
ing that they play games of any and all
thing about games, they can well play
EnemasT

- anm nor ungais
large bowel, and$\pm$upset the whole ghy give drugs which
when the trouble is in the lower tract
Whey trel
"enemas Hence the increasing use Equipment.-A fountain syringe or a nozzle, vaseline or olive oil, or crdinary soap as a lubricant for the nozzle. (castile
Solutions Used.-Soap suds, soap and soft water to make a fair suds), a teaspoonful of salt to a pint of This is the least irritating fluid you can use, because blood contains the same
percentage of salt. A saturated solution of Epsom salts is especially recemmended of the abdomen with gas. Turpentine is sometimes added to the soap suds (teaspoonful to a pint), to remove gas. of glycerin or a piece of curd soap the
size of the lower half of your little finger are used at tim Method.-The patient should lie on syringe should be completely filled with the solution (all the air expelled), and the nozzle after lubrication with vaseline, oil inject slowly. Stop altoge bowel. Then minutes if the patient complains. Then start again. You can hold the water bag one or two feet above the level of the hips. You cannot do any harm by injecting one or two pints of solution. to one hour and repentectual, wait hal For children, the injection of a half to syringe is usually recommended. Ofter as effectual is the use of a small piece of curd soap. In
glass rod is used.


## nutrient enema.

ing enemat Enema.-First use a cleans the bowel, then wait a half hour or so ped, in peristaltic movement has stopped, inject slowly the solution that you Solutions Used
You may use proteins if they use fats You may use proteins if they are comamino acids. Then the carbohydrate you will use is glucose or dextrose, because that is the sugar found in the
blood. Then to make the solution as non-irritating as possible you will add salt in the proportion of a teaspoonfu in the blood) same proportion as exists Peptonized skim-milk, 1 your formula in the form of amino acids); corn syrup 1 tablespoonful (chiefly glucose or dextrose); salt, $1 / 2$ teaspoonful (to make it If you haven't peotonizing tablets If you haven't peptonizing tablets o
powders (to be had at any drug store omit the milk and use ordinary water Usually you can buy a dozen little vials of peptonizing powders and the direc Don't use white of egg beef tea raw undigested milk or whiskey. It is a waste

If your baby has a severe pain in the give a purge. You may kill your baby give a purge. You may kill your baby.
If the colic happens to be appendicitis dangerous,-will I say murderous? It is so much better to give a simple enema of
normal salt solution. 2. Constipation.-In children, curd
soap inserted in the bowel is practically harmless. Of course, you are not re
moving the cause of the constipation moving the cause of the constipation
so you should not continue it indefinitely but rather try to remove the cause of
constipation. If used every second or third day, it will not paralyze the bowel. my opinion using a piece of soap, itself is 3. Following confinement. At the New York Lying-In Hospital, they
studied the effects of purgation on the studied the evecrs of purgation on the
mothers. Every alternate patient was placed in Ward A and purged with castor oil. The other patients were placed in
Ward B and given an enema on the third day if the bowels didn't move They studied 644 cases. In 322 patients, twice. In 322 patients who were given
purgatives, fever occurred 28 times purgatives, fever occurred 28 times. better to give an enema following conbetter to give an enema form it is to give castor oil. 4. Nutrient enemas are useful when the patient is not taking sufficient food,
e. g., when the patient can't retain any-
thing o stoma to in Some recent investigations -ing of pregnancy can be controlled by nutrient enemas of glucose. Following operations, or in any condition of shock or collapse, nutrient enemas are very

## The Fashions.

How to Order Patterns.
Order by number, giving age or measurement as roqured, and allowing Also state in which issue pattern ap peared. Address Fashion Department, Home Magazine, London, Ont. Be sure to sign your name when ordering patterns.
Many forget to do this.
POSITIVELY NO PATTERNS WILL BE SUPPLIED EXCEPT THOSE ILUSTRATED
Since pattern manufacturers have carcity of paper, patterns (owing to henceforth will be 15 cents per number.
When ordering, please use this form:Send the following pattern to
Name
Post Office
Province
Number of Pattern
Age (child or misses' pattern) Measurement-Waist ...........Bust. te issue in which pattern ap-3214-3212. A Popular Suit Sytle. Coat 3214 cut in 7 sizes: $34,36,38,40,42$ cut in 7 sizes: $22,24,26,28,30,32$ and 34 inches waist measure. It will require $41 / 4$ yards for the coat of 44 -inch material. The width at lower edge of skirt, with plaits extended, is about $21 / 2$ yards.
TWO separate patterns 15 cents FOR EACH separate 2819. Child's Dres.
2819. Child's Dress.
Cut in 3 sizes: 2,4 and 6 years. Size 4 requires $23 / 4$

Cut in 3 sizes Dress. An 18 -year size will require $41 / 4$ yards of 44 -inch material. The width of the
skirt at the foot is $1 \frac{1}{2}$ yard. Price 1.5 2838. Boy's Play Suit Cut in 4 sizes: $3,4,5$ and 6 years. Size
4 requires $21 / 4$ yards of 36 -inch material
Price 15 cents. 3213-3192. A Pretty (Gown.
Jumper Blouse 3213 cut in 6 sizes
 $20,2 k$, ,ity require elop this style as illustrated, will Thequre it $^{6}$ vards of 40 inch material i. cents ardid TWO separate patterns 3201 Cirl's Dress.
$\qquad$ 36 -inch material. Price 15 cents. 3209. Serviceable Two Picec Morn-
ing (iarment. 45 inches bust measure: $A$ thectiuin sizu
 0 yards. Price 15 cents
 $44-46$ inches bust measure extra large
inches bust measure. Size medium re
quires $33 / 4$ yards of 36 inch The width of the skirt at lower edge is quires $33 / 1$ ya

15 cents FOR EACH pattern.
3211. Child's Play Garment

Cut in 4 sizes: $1,2,3$ and 4 years. A 4 -year size will' require $31 / 2$ yards so-inch material. Price, 15 cents. 3207. One Piece House Dress.

Cut in 7 Sizes: $34,36,38,40,42,44$
and 46 inches bust measure. A 38 and 46 inches bust measure. A 38 material. The width of the skirt at its lower edge is 2 yards. Price 15 cents.
3216. Girl's Dress.

A 10 -year size will require $17 / 8$ yard of 36 A 10-year size will require $17 / 8$ yard of 36 of 27 -inch material for the waist. Price 5 cents.
3205-3189. A Trim Business Costume Waist 3205 cut in 7 sizes: $34,36,38,40$ 42,44 and 46 inches bust measure Skirt 3189 cut in 7 sizes: $24,26,28,30,32$,
34 and 36 inches waist measure. The 34 and 36 inches waist measure. The width of the skirt at lower edge is abou 3 -inch material for the skirt and $41 / 8$ yards of 27 -inch material for the waist TWO separate patterns 15 cents FOR EACH pattern.
2860. Girl's Dress and Sun Bonnet.

Cut in 5 sizes: 2, 3, 4,5 and 6 years. Size 4 requires $21 / 2$ yards of 36 -inch material for the dress and
the bonnet. Price, 15 cents
2785: An "Easy to Make" Apron.
Cut in 4 sizes: Small, 32 -34; medium
$36-38$; large, $40-42$; and extra large, 44-46




## 2910. Boy's Suit.

Cut in 4 sizes: 3, 4, 5 and 6 years. Size 4 requires 3 yards of 27 -inch material. Price 15 cents.
3240-3226. A Pretty Frock.
Waist 3240 cut in 7 sizes: $34,36,38$, 40, 42,44 and 46 inches bust measure Skirt 3226 cut in 7 sizes: $22,24,26,28$ 30,32 and 34 inches waist measure. The width of the skirt at its lower edge is $11 / 8$ yard. It will require 8 yards o 36 -inch material for a medium size, for the entire dress of one material.
TWO separate patterns 15 cents FOR TWO separate
3229 Girl's Dres
Cut in 4 sizes: $8,10,12$ and 14 years A 12 -year size will require 4 yards 2730 I adies' House Dess.
Cut in 7 sizes: $34,36,38,40,42,44$ and 46 inches bust measure. Size 38 requires $71 / 2$ yards of 27 -inch material Width of skirt is about $21 / 8$ yards at the foot, with plaits drawn out. Price 15 c . 3227. Child's Dress.

Cut in 5 sizes: 6 mons., 1, 2, 3 and 4 years. A 4 -year size will require $25 / 8$ yards of 36 -inch material, Price 15 cents. $3242-3228$. A Pretty Dress.
Waist 3242 cut in 7 sizes: $34,36,38$, 40, 42,44 and 46 inches bust measure Skirt 3228 cut in 7 sizes: 22, $24,26,28$ 30,32 and 34 inches waist measure 30,32 and 34 inches waist measure.
The width of the skirt at lower edge
with plaits extended is $2^{3}$ \& y yrds. For a 6 T



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$\qquad$

May 27,1920
THE FARMER'S ADVOCATE
2888. Girl's Dress. $8,10,12$ and 14 years, material. Price 15 cents.
${ }^{44}$ junch Ladies' House or Porch Dress. 3244. Ladies' House or Porch
Cut in 7 sizes: $34,36,38,40,42,44$ and 46 inches bust measure. A 38 -inch and 46 inche will require 6 yards of 36 -inch material. The width of the dress a lower edge is $21 / 2$ yards. Price 15 cents.
3236. Child's Dress.

Cut in 5 sizes: $1,2,3,4$ and 5 years. A 2 -year size wrl require 21/8 y
inch material. Price
2855. Girl's Dress.
Cut in 4 sizes! $6,8,10$ and 12 years. Cut in 4 sizes! $\mathbf{3 7 / 8}$ yards of 27 -inch material,
15 cents.
3215. Ladies' Dress..
Cut in 7 sizes: 34, 36, 38, 40, 42, 44 and 46 inches bust measure. A 38 -inch size will require $67 / 8$ yards of 40 -inch materia, or ${ }^{\text {and }}$ skirt, with $27 / 8$ yards of contrasting and skirt, with $21 / 8$ yards of contrasting materia
width of the skirt at its lower edge is $13 / 4$ yard. Price 15 cents.
3193. Boy's Suit.

Cut in 4 sizes: 3, 4, 5 and 6 years. a 4 -year size will require $21 / 2$ yards of 44 -inch material. Price 15 cents
3190. An Attractive Apron.
Cut in 4 sizes: Small, $32-34$; medium, 36-38; large, 40-42; and extra large, 44-46; inches bust measure. A medrum
will require $53 / 4$
yards of 36 -inch material Price 15 cents.
3217. A Grood School Dress.
Cut in 4 sizes: $6,8,10$, and 12 years.


## Hope's Quiet Hour.

Secret Service.
The kingdom of heaven is like unto leaven, which a woman took, and hid
in three measures of meal, till the whole was leavened.-S. Matt. $13: 33$.
Therefore, though few may praise, or help Let us work on with head, or heart, or hand.


A 10 -year size will require $43 / 8$ yards of 36

## 2889. Misses' Dress.

Cu in 3 sizes: 16,18 and 20 years size 18 will require $51 / 4$ yards of 36 -inch and $43 /$ yards is made with tucks, width at lower edge is about $12 / 3$ yard 3195 A Da
195. A Dainty Frock

A 6 -year size will require $31 / 10$ years. 6 -inch material. Price 15 cents.
3204. Ladies' House Dress. Cut in 7 sizes: $34,36,38,40,42,44$
and 46 inches bust measure. Size 38 will require $83 / 8$ yards of 24 -inch material. The width of the dress at the foot, with
plaits extended, is $21 / 4$ yards. Price 15

And we mu
stand. Each single struggle hath its far vibration,
Working results that work results a Failure and death are no annihilation Our tears exhaled will make some

Yesterday I had the joy and privilege of gathering with nearly a thousand other women at the Table of the Lord. It was of the King drawing near to Him and to each other in the sacrament which was His dying love-gifit to His bride, the to remember that the women who filled the large building were only a tiny fraction of the King's loyal subjects. The leaven of the kingdom is hidden in millions
of hearts and it is working secretly in a vast multitude of towns, cities and villages. The women who were gathered together in one place yesterday win will scave the opportunity of helping to leaven at least one corner of the earth, and each has been reminded of the great commission of the Master to make disciples of all nations. The leaven has been hidden for one great purpose When Christ lights the flame of love in any heart it is not for that heart only, but in order that all in the house may be enlightened.
Yesterday I heard a missionary from the far north tell the story of seventeen years of apparently fruitless work among nine were baptized, having given their nine were baptized, having given their
lives to Christ. Each of these converts lives to Christ. Each of these conherts,
was like leaven among his neighbors,
and in another year a hundred more were and in another year a hundred more were
won for Christ. Not long ago the heathen Eskimo thought
killing helpless babies, or of putting out killing he sless, to perish with the cold, the sick and aged people. This is still darkness of heathenism, but where the leaven of Christianity has permeated
their society it is never done. As the work of the leaven is done
secretly, hidden from observation, so secretly, hide Christ is a secret service. world, but the results are dependent on the hidden life. A man's outward life may be commonplace, and yet if will secretly influence with God. You did not come into the world by accident-you
are a soldier in the secret service of the King. Every day you receive your
orders frotm Him. The people you meet, and the people you live with are You greatest value in hot stand apart in selfish or selfrighteous isolation. The apostles were
not kept apart from the world for fear of contamination, but were sent into prayer was: "I pray not that thou shouldest take them out of the world,
but that thou shouldest keep them from Perhaps the little band of Christians might have concentrated their work, and kept together in Jerusalem, if they
and had been allowed to choose. But a great persecution scattered them abroad,
and they ".went everywhere preaching the word. helped the Church of Christ when he It is a good deal easier I believe, to help forward the cause of Christ than
the faith which Cood Himself had filled When you put a seed into the ground
many mighty forces co-operate with the many mighty forces co-operate with the
life which is hidden in its heart. Even
lhe sum, which is so many million miles the sun, which is so many million miles
away, lends that weak and struggling away, lends that weak and struggling
life a helping hand. So, wherever God
has placed you, He is able to work has placed you, he is able to work
through you in most unlikely ways. way mav be changed into stepping-
stones. Joseph, the slave, probably felt that his lot was hard and discouraging; atcepted so bravely refined his character
and brought out a beauty which could
hardly have been developed in ease and and brought out a beauty which could
hardly have been developed in ease and
pleasure. Instead of lamenting over
stumbling-stonesaregiven you as stepping stones to success. A heavy
be wings to an aspiring soul.
One great opportunity of the secre service is the opportunity of prayer another subject for the King. Outside methods may do more harm than good. You may repel instead of at-
tracting. But, if you pray, God will tracting. But, if you pray, God will open the way-if your prayers are
earnest and sincere. There was a small boy once who wanted to spend all his money at the fair. His father suggested that it would be better to put some of it in his missionary box. When the boy said: "But I need all the money!" his father asked him to pray about it. The chid prayed but carefully avoided But his conscience worried him, so that at last he asked God to bless the mission aries and help the little heathen children Then-of course-he could not help assisting his prayers with his money.

If your conscience tells you to give money for extension of Christ' kingdom, at home or abroad, and you you are in the secret service of the King Talk to Him about the need of money Then, if He wants you to help, He will let you know. Very often He sees that we can do something to answer our own prayers. If we refuse to do our part it
is very plain that we don't care much about the matter.
This morning I heard someone say that the Church had never been provided machinery for coverting the world is quite up-to-date. And yet our progress too much on elaborate machinery. Our churches are equipped for social service clubs of many kinds. We know that young people have bodies and minds and we are eagerly providing for their development. Let us not forget that they have also souls. A church may the "rich" church in Laodicea. The hidden leaven, which has power to work through the measures of meal, may be lacking. Machinery is a poor substitute or life, after all. The life that is hid with Christ in God reaches out with about Christ is one thing, but to know Him as your dearest Friend is quite another thing.
St. Paul counted all earthly advantages
s worthless in comparison with his reat ambition, which was to "know" Christ.-Phil 3:10.
Do you sometimes become as discouraged as Elijah, when you fancy that The people around you seem to care only for getting rich, or having a good time, or standing well with their neighbors. Perhaps this is only seeming, after all. They, like yourself, have a hidden life which only God knows about. Elijah made a great mistake when he said that
he was the only person in Israel who he was the only person in Israel who
worshipped God. Trust the Teacher of hearts to find and make good use of His opportunities. Keep close to Him and His life will mysteriously pass into you, and through you to other souls. As meal can be leavened so also can men and
women. Their hearts are not made of stone. They do care for realities, even naking money or in dressing fashionably, And never give way to a false humility,
saying you have no power to help or uplift society. You have no power, but God has. He can use you as He used the stick which Moses carried to liberate
His people from slavery. They are His people, His children. They can be
drawn nearer to Him as surely as you

It is not by talking about Christ that we can do most good, but rather by
talking to Him and listening to His voice. Christianity is a life, and a most with Christ, and cortsecrate your life to His service, and still remain a dead and ineffective member of His kingdom.
Your secret communion with Him will be felt by others, and will spread in ever-
widening influence. Your business is not to call yourself a Christian only,
but to really be a Christian. People can only take knowledge of you that you

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with Him. He is the Leaven secretly uplifting the whole race of men.
"Go, Thou mighty Captain, conquering on Thy way;
Night upon the mountains changes into
day?"

Dora Farncomb.
For the Sick and Needy.
The Q. H. P. was quite empty-for and Mrs. J. E. B., London, sent a dollar. A pair of beautiful bedroom slippers
also arrived (from "Aunt Pay") and went also arrived (from "Aunt Pay") and went
at once to a shut-in. I send thanks for all these donations and also for the S. S. papers for the sick. Dora Farncomb,

The Ingle Nook
 pepartments: (2) Always send name and address
paper only. (2)
with communications. If pen name in also given
the real name will not be published. (3) When with communications. If pen name is also given
the real name will not be publisised. (3) When
enclosin a tetter to bo forwarded ot anyone, place
it in in a stamped envelope ready it in a stamped envelope ready to be sent on.
(4) Allow one month in this department for
answers to questions to appear.

I AST week I had a motor ride across 1. part of Grey and North Bruce to Sauble Beach. Immediately before reaching it the way wound for a considerable
distance through a woods, with not even distance through a woods, with not even
a fence at either side of the road to interrupt the view. Nor had the baby leaves
come out enough to interrupt it. As far as one could see into the depths was
a labyrinth of trunks, branches and a labyrinth of trunks, branches and
twigs in all the shades of gray, brown
and bronze with here and the camp-fire, the red flame of red-barked
willow osiers. Beneath, risiny above the brown carpet of last year's leaves were little pink patches of "spring beauty,"
and vast swards of the mottled leaves, the dog's tooth violet above which, here and there, nodded a yellow blossom.
I was told that in the marshy places quantities of the rare trailing arbutus
were to be found-a claim proved bouquet of this wonderfully scented flower in the house we had just left 1 was told also that later, in these woods
and marshes, would be found wild and marshes, would be found wild tiger
lilies and the red Canada lily, clumps of moccasin flower, rasses of the beautiful blue gentian and many other kinds informant. Once these flowers were
found in found in every part of Ontario (you
remember Mrs. Jameson's description remember Mrs. Jameson's description
of the great beauty and variety of those she found in the Brantford district upwards of one hundred years ago)
now their haunts are now their haunts are restricted to out-
of-the-way by-paths of the Province of-the-way by-paths of the Province,
and even that area is continually de-
creasing creasing. Unless some real effort is
made to preserve them, many, of the
$\qquad$
$\qquad$ as like to reproduce themselves liy the
million if given half a chance, are being
driven away near anly center where driven away near any center where people
congregate. I came upon a demonstra-
 took a walk to a woods near this rity and I even plant out young trees on any waste
with the. intention of " athering." the spots that may be on the farm. If there
wild. flowers levond threep or the not enough young saplings on the Whe flowers hevond three or four are not enough young saplings on the
specimens as a souvenir of our trip, but do this it is quite likely that
one can det a supply from the Forestry enjoy them in their own setting of carth, Department at the Capital of his own
and wouts and ski. Province:-in Ontario the address would city, men and lions, women and to the be, of course, the Parliament Buildings, 2s they with could carry, many of the violets who have got trees in this way and now ellow heals alreaty beginning to droop

FOUNDED 1866 akes them from the places when one bring As Emerson sayses where the To return to our trip to sa Beach: One thing that struck me very much on the way there, before reaching vast areas of land in that vicinity was the will never be good for anything which
heaven except heaven except reforesting. True under
were many strips of "roere from an agricultural "good country" adjoining them were thousands of but of boulders, huge masses of rock acres pockets of earth between. Once all
this rock-strewn with fine timber. The timber covered cut away, the stumpy timber has been with fire, and now nothing is left but

Hon. Mr. Drury has pronounced. favor of reforesting the waste spaces of
Ontario, and it is to the work begins this hoped that when spots chosen. Millions of small the might be set out here, as in many trees parts of Canada which are good for the growth could be thinned out a little trees planted, and the many uses, other In Europe many of the forests have been years, without any perceptible diminution it is compulsory to In some parts whenever one is cut down-two trees so that one at least will be fairly sure to
grow. The trouble in this country has been wholesale, woot even the young tioyed being left to come on,-and this on land positively useless for anything other than tree-growing! As a result of this increasing "treelessness" tornadoes are land in spring is more common, the being sw the land, as a consequence finally swept down the streams, to be and timber has on the lake bottoms firewood, paper (made from pulpwoid) and building materials are reaching prowell fre prices.-That may be all ver so long as a certain selfish standpoint, timber or frewood to sell-oods have day the seller or his grandchildren will have to buy, and that will be a different It is a question, is it not? if we have any right to rifle the earth to such an
extent that those who come after us will have a very hard time to live at all. we ourselves, even though we have passed through death, shall have to pay for all such selfishness. We are using up all the
coal, we are using up all the forests, very "advanced" men are talking about extracting nitrogen from the air for
various purposes.-Unless we keep up the supplies of some of these things Perhaps we on our farms cannot there is one thing that each can do. He Province:- in Ontario the address would
be, of course, the Parliament Buildings, who have got trees in this way and now
have some fine young groves coming on
very rapidly. A great many trees can be planted out in a half day either in spring or fall, and comparatively little
time taken from the ordinary work. The smaller the trees the surer they a Now to another of my "pet" subjects:
Do you know, have you heard, that
brogues are the very latest fashion in hrogues are the very latest fashion in
ootwear? Yes, brogues broad in the tore, low and broad in the heel! They
are not very cheap, of course -women are not very cheap, of course $\$ 12.50$ to
in the cities are paying from
$\$ 14$ for them-but the leather is nice, $\$ 14$ for them-but the leather They are
and the workmanship good, Ther
being used for all sorts of day wear,

MAY 27, 1920
ly for evening parties, etc., when no
walking is to be done. It is safe to say that high heels and pointed toes will soon look as ridiculous on the streets and highroads as would evening Junia.

Worth Thinking Over Did you ever wonder which one of the animals with which you are amiliar you melamb, the bear-but we refrain from further suggestion Our Dumb Animals.
A pessimist and an optimist were discussing life "I rom theally believe," said new-points. "that 1 , could make a better world myself." "'Sure!" returned the" optimist, "that's what we are here fo
e-decorating a House. Table Servic Farm asking advice about re-decorating n old house. We love the way she oo much information I wish to thank hose who reply. Your kindness will be doubly blest, like charity; it will bless me writer and many others as well and then, think
Now to the hous
Your big oblong living-room, 18 ft . x 15 lass doors makes slass doors makes us gre it must be Since the ceiling is high it will improve the room to have a "drop" ceiling, say deep ream in color, running downward on the wall for about 2 ft . Below this the wal maper be Cover the line where the wall paper meets the drop ceiling with a narrow wooden moulding painted cream ike the ceiling (it really belongs to the eiling.) In such a nice large room hav mall ones would look trivial and in ffective. If you must have linoleum or the floor (and it is not a bad choice all in a room subjected to hard wear rood, and put two or three small rug may be braided or hooked) over it to break the hard, cold look and give
cosiness. The windows would look well with chintz side curtains and valance between, at the top-a design of flowers be good. Also use the same for cushions the side curtains cover the wall linds up high so that , and run the an be seen and no light will be shut out. the Madras muslin is of good color a gobelin or can be made so by dyeing ice with sand-colored walls) perhaps it at micely; you will have to judge ivory white for the woodwork? If not a Oh how lucky you are to have a fine d-fashioned sideboard, sola athe brown rep and supply it with chintz cood chintz washes very well if one is hould be remot, and the cushion covers hooked together beneath. A fireplace would be lovely in this room, but in these days of fuel conservation may be thought
rather an expensive luxury to make use very often. work in the leedrooms upstairs do very icely by choosing the wall-paper very arefully. For example one room migh ale green, and white doted in white and rilled curtains white dotted musii a plain cream wall with green flowered
border and chintz curtains in white and gorder and chintz curtains in white and
green; while the third might have green; while the third might have a
cream wall flowered with violets or buttercups, hangings, etc., to match. In each ease have the criling light cream.
Lucky you are too, to have real line owels, in these days of linen-famine. Us either rod or rings for them, as please sideboard will be in excellent taste. You are right in deciding to keep the

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in many sizes. There is one that will fit

## Setting a Table.

## If bread and butter plates seem con

 enient at dinner, help to save your table-cloth, etc., use them. Some veryfashionable folk do not serve butte meats and gravies and puddings which seem to leave no place for butter. These folk do not put bread and but place a cube of bread in the fold of each napkin, or on a regulat bread-plate. There is nothing unrefmed,
however, serving butter for dinner or using bread and butter plates. If the
dinner plates are large the latter may not
 the salad with the meat and potatees-may be passed along, or place before the dinner begins. Side dishes are not used nearly as much as they used to be. They take up too muche is used, and clutter if more thash oling. Olives are
make endless dish placed on the tabe eaten whenever any one wishes to pick one up. mals alsi
salted almonds and small pickles may salted almonds ald throughout the meal
be on the table the Cheese is not really necessary at dinne supplies enough protein.

## Amount Needed.

Miss E. Scarlett, Huron 2 pounds

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| mocmbinkigo buction |
| Miniol |
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## LIFT OFF CORNS!

Apply few drops then lift sore, touchy corns off with

with the fingers, spread on the lower part
of the cover, and quilted about 2 inches of the cover, and quilted about 2 inches
apart. As so many letters on making wool comforters have been published but it may be mentioned that Miss Scarlett recommends rinsing the soapy water
out (after scalding) two or three times with warm soft water, this to be followed by shaking the wool. Before putting
on the top cover she shakes a little sachet or talcum powder over the wool. This should make the comforters smell very
sweet and dainty. By the way a good sweet and dainty. By the way a good
way to keep the edges. clean at top and along. It should be hemmed so that can be easily removed for laundering. Bake in a hot oven.
Skim-Milk Cheese. Bread Pudding, Mrs. Myers, Norfolk Co., Ont., in a
letter on wool comforters which is fyled for future reference, "postscripts" a "bouquet" to Sandy Fraser. "He is all right,"
she says, "I'm glad the farmers are coming to their senses.
She also kindly encloses the following
"I also saw about making skim-milk
cheese. Don't get the curd too hot or it will be tough. When ready to put to press mix some perfectly clear fresh lard or
margarine butter that takes the place of cream in the new mich olo be rich enough.
need muesnt
Here is a quick way to make bread pudding. Beat the egg and sugar, add
the milk and set on top of the stor the mik and set on top of the stove to
boil, then toast slices of bread and butter them and lay on top of milk and eggs
When nearly boiling the bread will be soaked and ready to eat. Flavor with
any spice you like."

## The Cookery Column

 rice and put it in a double boiler with apint and a half of milk and a sattspon of
salt Cook till creamy, add a teaspoon
of butter and 3 tablespoons sugar. Stir
of tuty
$\qquad$ crumbs in 3 cups milk, add 3 beaten
eggs, 1,2 cup sugar, 12 cup seeded raisins
and $1 / 2$ cup currants dredged with flour, teasp. vell-hila. Beat well and turn
into a well-huttered mould or tin pail.
Cover tight and boil steadily 21,2 hours.
Eat with hard sauce (butter and sugar
heaten together and flavored to taste).
heaping tablespoon butter, 2 eggs, $1 / 3$ cup milk, $2 / 3$ cup chocolate, $1 / 1$ eup boiling
water turned on the chocolate, $11 / 2$ cups flour, 2 teaspoons baking-powder, 1 teaspoon vanilla. Cream butter and sugar
together, add the beaten eggs and other ingredients in order. Bake in 3 layers. Filling for the Cake. - Two-thirds cup
milk and 2 cups sugar. Boil 10 minutes take from the stove and stir until it creams.
Poached Eggs, Spanish Style.-Heat an earthen dish slowly and melt in it a
tablesponful of butter: add $1 /$ teaspoon tablespoonful of butter; add $1 / 2$ teaspoon
salt, $1 / 4$ teaspoon pepper and a small onion minced very fine. Or instead of onion use parsley and other sweet herbs. Drop in 6 eggs, one at a time. Do not stir, but let them brown a little. Turn
carefully and brown on the other side carefully and brown on the other side.
Serve in the same dish as hot as possible. Serve in the same dish as hot as possible.
Breakfast Fruit Cake.-One pound cold boiled potatoes, mashed smooth. Add 1 1b. flour, $1 / 2$. finely-chopped suet, little less than $1 / 2 \mathrm{lb}$. currants, and 2 oz .
moist sugar. A teaspoonful of baking. moist sugar. A teaspoonful of baking-
powder should be mixed with the flour in its dry state. Roll out the dough to half-inch thickness and bake in a moderate oven. Cut into squares and serve hot.
Drop Biscuit. - One quart flour, 2 tea Drop Biscuit.-One quart flour, 2 tea-
spoons baking-powder, a lump of lard size of a small walnut, 1 teaspoon salt Sift the baking-powder in the flour, add the salt, rub the lard into the flour. Add enough cold water to make a stiff batter well. Drop in lumps on a greased pan
The Scrap Bag.
Chintz for Aprons.
Chintz, figured or flowered, is said to
make excellent working aprons, as it
washes well and does not show every


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THIRTY-FIVE

## Scotch Shorthorns

MY ENTIRE BREEDING HERD at public auction
Oakville, Ont., Wednesday, June 16 Included in the lot are 20 cows in calf to Pride of Escanna, the great, young son or are several of Ontario's most noted breeding matrons. Along among things are also listed-eight granddaughters of Right Sort. A hall-dozen other promising well bred heifers and two young bulls make up the offering.
A. G. Farrow

Oakville, Ont.

Current Events
The Provincial Treasurer's Department Ont. announceed a heary increase in
he taxation of amusement houses, to
ome into effect on lune lst.
$\qquad$ Faculties of Education at the University
of Toronto and Quen's University, Kingston, will pass out of existence
Hereafter all teachers will receive their training in the Normal Schools of the

A stean

will soon be inaugurated.
The threatened strike of hydro men
at Chippawa will not be brought on until the report of the Committee sent by
the Legislature to investigate affairs thero the Legislature to investigate affairs there
has been received. The men want to work 10 hours a day at $\$ 5$ a day.

On May 15th the U. S. Senate adopted, by a vote of 43 to 38 , the Republican re solution declaring the state of war between
the United States and Germany and Austria at an end.

Eleven persons were killed and a
number of others wounded at Matewan number of others wounded at Matewan W. Virginia, on May 19 th, in a battle
between officers of the Baldwin-Felts Detective Agency and a number o Detective Agency and a nomber lilled,
coal miners. Eight of those including the Major of Matewan, wer with the detective force. The detectives representing the coal concern, were at-
tempting to evict some former emplovees temp Company houses. Troops wer
from at once sent to the district:

As a result of the revolution in Mexico
Gien Obregon will be the only candidat Gen. Obregon will be the only candidate
for the Presidency. It is not yet known Yor the Presidency. It is not yet know
what has happened to Carranza, who fled to the hills of Vera
Large numbers of troops are being
sent from Enaland to restore law and sent from England to restore law and
sorder in Ireland At Dublin the dockers have refused to unload military cargoes and the work is being done by soltiers. A compromise, however is

A price-smashing movement has sel and, at time of going to press, is said to
have reached Toronto. In the United have reached Toronto. In the United
States the area chiefly affected extends States the areasisippi Valley westward.
from the Missision In the cities of this area cuts of from 20 to 50 per cent. have been made, especially in ready-made clothing. The price of
shoes has also been lowered. In Neshoes has also been lowered. In . Ne-
braska the women have been asked by that State's Price Commissioner, Mist
Coran of Omaha, to notify their merchants that they will not pay higher prices for clothing next fall 'At the International
 lutions were adopted pledging the
lumbers to manufacture and sell gar members the lowest possible price. In
ments at the cost of pork has dropped
$\qquad$
$\qquad$
$\qquad$
Holland's first regular air-service hegan

The Windrow There are 18,279 schools in the United
States closed for want of teachers. States closed for want of teachers.
"Small salaries," is given as the reason.

Great Britain is considering the restablishment of the war-time measure were stamped on the soles, with a guaranee as to quality:
Russia before the War furnished three quarters of the world's flax. It is no
wonder that linen is almost prohibitive

In St. Louis, Mo., the other day a publisher, seeing a Noged team, though ordered to do so by the owner of the horses, had a gold medal made and presented to him. The medal bore this inscription: "Presented to Tom Lett, a
Colored Gentleman Who Would Not Whip a Stalled Team." Two gentleman at least figured in this incident.-Our Dumb Animals.
The newly elected National Assembly of the Czecho-Slovak Republic, of which
Thomas. Masaryk is President, has 125 Socialist members out of a total of 300. President Masaryk is 70 years of age.

Princeton University plans to have its lectures printed and sent to ex-
students as long as they live. The first lecture sent out is Prof. Edwin Grant Conklin's fine lecture on "Human Evolution," which those who attended
the lecture course in connection with the the lecture course in connection with the
Western University at London, Ont. had the privilege of hearing last fall.

A Bird Sanctuary
"THERE are thousands of "home 1 grounds" ${ }^{\text {also a few more pretentious ones }}$ maintained by ardent bird-lovers. Also the question of making cenctused bird-sanctuaries has bee subject the following clipping from an English newspaper, sent us by a correspondent, may be read with interest. It is entitled "A Bird Sanctury in Northamptonshire
"Thinking that our readers might like to hear something of what is being done here for feeding and caring for it. Some time ago, I took in about four acres of parkland and planted $\cdot$ it with every imaginable hardy shrub and tree which bear fruits or berrie fascinating tangle of leaves, fruit berries, seeds, and cones in their season, with wild trails and natural paths eading here and there in dell, bank noll or wilderness.
feeding pavilion of oak on oak posts with a sloping shingle roof to keep of the snow and rain. Inside there are three tiers of oaken trays,
have placed every morning a mixtur of chopped fat, suet, seed, oats, cracked Indian maize, meal and grit. Over thi mixt ure we pour boiling water, and wh en it cools a little the trays are the ground beneath the pavilion it. Olace a large, very shallow earthenware pan of fresh water. This is renewed $t$ wice a day in mornise. Fresh water is as especially in cold weather. uphold this structure I hang cocoanuts, stuffed with suet. Our acrobatic friends these, perform wondrous antics.
"This bird-feeding pavilion stands front of our dining-room windows, and it is quite delightful to see the joy and
surprise of the many varieties of bird which visit it. I have also inventer feeding troughs for the birds, which are
roofed over st) as to protect them whilst feeding from the snow and rain
These troughs are placed in sheltere certing from the snow and rat
These troughs are placed in sheltere everv tree I have hung up great feeding sticks, with deep, round holes whic

Founded 1866

## Gossip.

A Chance to Obtain Some Espoir Those attending the Canadian Aber.
deen-Angus Association on June 2, will have a splendid op Toranto, to build a foundation on blood transmitted from that excellent bull, Espooir at Toronto last fall, and the ioiship championship at the International Live. Srack Exposition, Chicago. Howard Fraleigh, of. Forest, is contributing a typey cow with a calf at her side and in
calf again to Espoir Morshal small herd in itself which This is a should not overlook. He is also tributing another cow safely settled to the service of Espoir Marshall, and yearling and her are two of her get, a yearling and a two-year-old heifer.
The two-year-old heifer has already bred to this famous young bull. In addition to this splendid offering, Mr Fraleigh is putting in an imported bull,
slightly under one year in be a splendid opportunity here for will one to buy some good Aberdeen Angubreeding stock.

May 27 Sale Dates.
Meaforth 27, 1920.-John R. Archibald
Association, Union Stock Yards, Torongs June 3, 1920.-Hood Farm, Inc. Lowell, Mass.-Jerseys.
June 3, 4 and 5, 1920.-Holstein June 3,4 and $5,1920,-$ Holstein
Friesian Association of America, St. Paul Minn.
June 9, 1920.-International Sale of Miking Shorthorns, Euclid, Minn., U. S. S. A., R. R. Wheaton and A. E. Palmer. June 9, 1920--Sunnybrook Farms:-
Holsteins Dispersal, North Toronto: June 16, 1920-A. G. Farrow, Oakvile, Ont.-Shorthorns.
June 15, 16, 17 and 18, 1920-Live
Stock Breders Stock Breeders' Association of the Dis Quebec. 1020 VacVicar Bros, Bel June 23, 1920.-MacVicar Bros., Bel-
mont, Ont.-Avrshires. June $23,1920-\mathrm{J}$. Andrew Knox,
Norwood, Ont-Scotch Shorthorns. June 24, 1920.-David A. Ashworth; Denfield Ont.-Ayrshires, Horses, York-
shires, etc June 25, 1920--W. H. Shaw, New-

Potato Growing Contests. Owing to the lateness of the present
season the date for the closing of entriesin the Boys' Potato Growing Contests in the Countiesof Carleton and Russell havebeen indetinitely extended. As previously anby a fund left for the purpose by the late R. B. Whyte, of Ottawa. Exeellent cash prizes as well as a scholarship at the Agricultural School at Kemptville are offered as financial inducement to the is required to grow exactly one-tenth acré of potatoes. His plot is inspected by an expert during the growing season and reported on to the Committee in charge. is sent in prover by the boy himself. An exhibit of one bushel of potatoes is also to be placed at the County Fair. A pamphlet giving the best methods to
follow in the production of maximum follow in the production of maximum
vields of potatoes is sent each contestant. This Contest provides an excellent opportunity of instructing the boy on piece of work well.
An accruate record is kept of the cost or producing the potatoes.
value of time of competitor as well as that of horses employed. Finally there is ascertained the cost of producing ${ }^{2}$ bushel of potatoes and the profit which may be expected from growing potatoe anxious that the Contest this year shall be an outstanding success. Up to the present the number of boys who hav
entered the Competition so far this year is small, but it is hoped that by extending The date of entry, many more may come in.
Those desing Comse desiring further information should communicate with the Secretary, L. H.
Newman. 114 Vittoria Street, Ottawa.

## The Comfort of a Bank Account

DOUBT AND ANXIETY about houschold finances give way to certainty and satisfaction when you have a growing savings account. You know by a glance at your bank book where you stand and the progress you are making. The stubs of your cheque book give a record of your payments. The cheques are in themselves sufficient receipts.
Start saving to-day by opening an account in the Bank of 'Toronto, even if your first deposit is only one dollar. It's a comfort to know it is there nd to watch it grow.
THOS. F. HOW Our household savings accounts are constantly growing. We extend every possible courtesy to
depositors.

## THEBANKOFTORONTO

Incorporated 1855

## ON! ON!! ON!! TO ST. PAUL!

## The Minnesota National Guaranty Sale

風 THE BEST HOLSTEINS FROM

- THE BEST HERDS IN THE UNITED STATESand CANADA



## Canada's Quota

## 12 Head

## Consigned by

 A. C. HARDY, Brockville, Ont.King Waldorf Sylvia a 7 -months-old son of Champion Echo Sylvia Pontiac from the 28-1b. 2 -year-old, Lady Waldorf Sylvia. Second dam a $36-\mathrm{lb}$. daughter of a 36-lb. dam.

Winterthur Ormsby
a 14 -months-old son of Bess Johanna Ormsby-she the only $40-\mathrm{lb}$. heifer to make a $1,000-\mathrm{lb}$. year record.
Three beautiful daughters of Champion Echo Sylvia Pontiac
all from good record dams. "Champ" has proven himself the greatest son of May Echo Sylvia.

Queen Fulton Sylvia
a 23 -lb. 2 -year-old sister to May

COLONY FARM, Essondale Farm, B. C.
Colony Netherland Segis Newman a senior 3 -year-old with 849 lbs . butter from $20,104 \mathrm{lbs}$. nilk. Sired by Aaggie Cornucopia Newman and out of a $33-1 \mathrm{~b}$. granddaughter of King Segis. In calf to a son of Madam Posch Pauline.

Colony Segis McKinley
a daughter of the heifer described above. sired by Colony a daughter of the heifer described atlove. sired
McKinley Segis De Kol. Due shortly after sale by Aaggie McKinley Segis De K
Cornucopia Newman.
R. M. HOLTBY, Port Perry, Ontario

## Plus Syloia Posch

a 27-1b. 3-year-old sister to May Echo Sylvia. She made her $27-\mathrm{lb}$. record from 605.9 lbs . milk. Her dam has a year record of 753 lbs . butter from almost $17,000 \mathrm{lbs}$. milk.

THE BLOOD OF MAY ECHO SYLVIA
In the Canadian consignment to this greatest of great sales, there will be three sisters, three granddaughters, and a vonderful grandson of May Echo Sylvia, the champion milk producer of the world

This first Co-operative National Sale will be held in connection with the Annual Meeting of the
HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA


## Founded 1866

## BUY "IDEAL" FENCE NOW!

If you want sure delivery of fence we suggest that you get your order in now. We were fortunate in receiving an allot In asking you to place your order now we do so to safeguard you against probable disappointment. It's not a question of late delivery but no delivery that you must guard against.


 No 5400 gitne wirise to the the
 No. 6300 iine wirei. 30 ind incee

 Rod. 7400 T ite wirese tion initue Noart All





 No. 8478 in wiris. 8 inchich fifity
 No. 935 gine wir is is in inches hient







## "IDEAL" Lawn Fence <br> and Lawn Gates

Improved "IDEAL" Farm Gates

"MEDUM Heavy $\mid$ fald


 No. 6410 s. sum said No .726 frw ix

 No. 722 zuat iveratuan 51 c 54 c 56 c


 Non inman in 71 c 73 c 75 c


## "IDEAL"

## Poultry Fence




Natiseme
$1_{1} 1^{15}$ s $1^{209} 1_{1}^{25}$

## Improved "IDEAL"

 Stock Gates

Fence Supplies, Brace Wire and Barb Wire ysavaly Barb Wire


Ideal Fence and Spring Company of Canada, Limited


Farms advertise 20th the numd, and dispersion mentioned however, will bring y -five, and the sple enstead of 1 p.m. s to mention Kilgour II be running that eet city car line to
tervals during

## ale lune 9.

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age for this noted age for this noted
arms has been the icial Plowing Com. ids came year atter
y as Mr. Milgour's el be said that it of Holstein cattle. offering here, it is give individual
hy member of the regarding the sires ry readers at least. e daughters of the unnybrook, Count hased in the eanfy
ft nevidence in each selling. In breedbe best described
$r$ to Segis Fayne r to Segis Fayne
first 50 -lb. cow m mere Sir Natove gerveld Segis, and
present herd sire, t. Sir Natoye Oakull, Oakland sy Kol Maida, while pye Oakland was se record was 31.13 s, of milk. There f this sire selling b. cow which will daughter selling
yons Hengerveld us, but the severa of the offering on $33.31-1 \mathrm{~h}$. bred son
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Would 1 , or note, be obliged
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aranteed it to be
and aranteed the time

THE FARMER'S ADVOCATE.


## On The Farm

means the same attractive styles - the same easy comfort-the same sound economy-that Fleet Foot means in the city.
Have two or three pairs of Fleet Foot-brown nes for work about the farm-white ones when work is over and pleasure begins.
You can have several pairs of Fleet Foot for the price of one pair of leather shoes.
There are styles and sizes for men, women and children-for week-day and Sunday-for work and holiday time.
Fleet Foot Shoes are
Dominion Rubber Systems
Products

## GENUINE ECONOMY IN TIRES

These Bargains Shipped to You on Approval



EVERY MOTORIST
hopes to have a Ca:age of his own eometime. No one keeps his car in a publlc. Why ther, continue the inconvenience and expense, when, at amall cost, you PRESTON
PORTABLE GARAGES
The only outley is the actual price of the build


 METAL SHINGLENO SIDING COMPANY PRESTON - MONTAEAL - TORONTO
WINNIPEG - SASKATOON - GALGARV $8{ }^{6}$

## NORTHERN ONTARIO <br> 


H. A. MAGDONELL.

HON. MANNING DOHERTY,
rector of C Minister of Agriculture,

Horse Owners! Use


Caustic 1-b Balsam
 Nomed

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HERE IS THE PROOF

 Test th betror you IT FREE

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For Sale or Exchange For Good Speed Horse



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Messrs. A. J. Hickman \& Co. Holse Grange, Brackley, Ensland Exporters of all Breeds
Send dor an ipustateded atalose en ansed what w
or bred fine stoke bey yirect from

## HORSE AND

 CATTLE RANCH A. L. SMITH, Monchy, Sask

## SEEDCORN

ontario grown
Germination 90 to $100 \%$


$\underset{\substack{\text { FLINT } \\ \text { Lompellow } \\ \text { Compton Ear }}}{\text { ( }}$
Longfellow
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Salters
White.
Red No.
Red Nose
SEed potatoes
Irish Cobbiers
Green Mountain


KELLEY FEED \& SEED, CO.

| Kinds, etc. |
| :--- |
| 780 Dovercourt R/ |$\quad$ Toronto

## PATENTS

THE FARMER'S ADVOCATE
Questions and Answers.

Miscellaneous.
Chicke go Blind.
going blind? Quite a number-are dying We have been using louse killer. Would this cause the trouble?
2. : We have a horse with a very long mane. Would it be better off? H. D. believe, the direct cause of the blindness and death of the chicks. This material should not be applied later than two or three days previous to hatching, and
then not until the chick-s then not until the chicks are two or
three weeks old. If lice bother the young chicks, rub a little lard on their heads Chicks, rub a little lar
and under their wings.
and Many pergu
with a hee a horse with a good mane. It will not hurt the horse to have it removed.
What part of the pig should be use
for best breakfast bacon? How should it be cured? How would you suggest putting pork away in the fall so it will
keep during the winter and the following keep dur
summer?
Ans.-When cutting up the carcass, the side may be cut lengthwise. This will
leave one half considerably thinner than the top half. This thin part is usually used for bacon. The part of the side near roasted. A mixture of 4 lbs. salt, $11 / 2$ saltpetre may be used for of pulverized of meat. This should be applied three
times for hams and should times for hams and shoulders and twice
for bacon. Rub it in well at intervals of about a week. The pork for winter and summer use may be cured the same
way and then smoked. How Dumb-Waiter

## How can a dumb-waiter be constructed from pantry to cellar? How could a

 pantry be arranged for convenience andlabor-saving? Ans.-Dun
structed in different ways. be conthey are made about 20 by 24 inches in
size, extending from the cellar pantry. Several shelves are constructed
to slide up and down in this shaft. By having the shelves attached to a weight,
the raising and lowering the waiter facilitated. It is very handy to have the
dumb-waiter extend to the cilling of pantry and have the shelves come waist
high. Another way is to have the of the waiter as a portion of the floor The shelves are built in below and are
raised and lowered by means of suitable weights. One-inch pine may be used for
constructing the shaft and shelves. By having a dumb-waiter, shelves for
holding. cooking utensils and materials
forl holing cooking utensils and materials,
four bins, etc., built in the pantry it
aids in saving steps when doing the work Native Wines.
What procedure is necessary in order native wines? A. G. Ans-Application for permit for the
making of native wine may be made direct to the chairman of the Provincial
Board of License Commissioners, 46 Richmond Street West, Toronto, We
this permit. Section 44, of the Ontarig
Temperance Act is to the effet
no manufacturer of native effect that
sell or offer for sale within the Presil

Are your sows prepared to raise thrifty pigs? Do you know whether your sows are properly nourished before and after the pigs are born? Are they getting the right elements in correct proportions for best results? Uness the diet is properly balanced, the particularly in the rear udders. You need not have runts. A properly balanced ration will prevent them.

Purina
Pig Chow
has just the right elemente for sows and pigs. It regulates the sow system, and duction. It puts rich, red blood in her veins, the basis of an abundance of rich tho pigs off right to make market-toppers This is accomplished by the scientific balance of proper ingredients:-

Corn Meal, Hominy, DigesterTankage
O. P. Linseed Flour, Molassea, Corn Gluten, Alfalfa Leaf. No screenings

Purina Pig Chow costs you no more tha ordinary feeds. Try it. Start your pigs off with a boost, by getting your sows in righ

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## Canada's Premier Draft Horse

## 


 faith to the Clydesdale, and reord every pure-bred animal. CLYDESDALE HORSE ASE fre booklet.
 $\$ 1.50$ to pay for his first year's sul

## Percherons and Belgians THE Popular breeds

We have in our stables a select lot of Percheron and Belgian stallions and mares, running
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to $1,850 \mathrm{lbs}$.

Use good breeding stock now and be ready to meet the demand which is sure to exist.
breeders; if they are not, you do not have to keep them.
We will sell on winning at the Western Fair, Guelph Winter Fair and Ottawa Winter Fair
Look up our These will give you some idea as to then
Inspection Wolcomed.

The Company is composed of J. Crouch, President; G. R. Crouch, Viee-President and Treasure
R. G. Ivey, Secretary; Directors, Wm. Bernard and Jas. McCartey.


produces pork more economically because it is composed principally of a mixture of specially selected by-products of Wheat, Oats, Barley, Corn and Linseed Meal finely ground and scientifically blended to exactly meet requirements for growing and developing hogs.
It supplies certain mineral contents for producing big bone and stretchy frames - that's why SCHUMACHER fed hogs are always big, strong framed animals - have a frame that will carry the maximum pounds of pork when finishing for market.
Try This Feeding Plan on Your Hogs This Year
SCHUMACHER FEED can be successfully fed in self-feeders or in the slop. For best results in self-feeders, keep self-feeder where hogs can have access to it at all times. When hogs are on pasture, SCHUMACHER FEED is the only other feed necessary. They will develop big, strong, healthy frames and later on, by adding tank If you prefer the slopping method, make a thick slop of SCHUMACHER If you prefer the slopping method, make a thick slop of scharket time. and give to your hogs regularly from weaning and prove to
your satisfaction that there is big profit in raising hogs today with the aid of SCHUMACHER FEED. Ask your dealer for SCHU.
MACHER - if he can't supply you, write us.

## The <br> Quaker Oals company hog feed department

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Fruits, Vegetable and other perishable products
can be stored close to the Pilot Superior Furnace cat inot danger of spoilage. This is is bligadvantage
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appreciated by ever homeowner who must teed appreciated by every homeow
food-stuffs in the basement.
The Pilot Superior insulating air chamber and
the straight, flush-front prevents the radiation of the
heat to the outside casing. Thy return air opace
which encircles the entire furnace, keens thie Which encircles the entire furnace, keeps thia out-
side casing cool at all times. The only heat that
is radiated side casing coor the cellares. comes from the smoke
is radited into
pipe and this is sufficient to keep the temperature pipt and this is saficient to keep the temperature
of the basement above freezing A Pilot Superior
Pipeless Furnace can be installed in six houra.

The Hall Zryd Foundry Company, Lid.
Hespeler is Ontario


BIG UNRESERVED AUCTION SALE OF
Pure-bred and Registered

## Aberdeen - Angus Cattle

## T TORONTO EXHIBITION GROUNDS

## Wednesday, June 2nd, 1920

PRIDES, TORJAN, ERICAS, WITCH OF ENDORS, ROSE OF ADVIES, KYMAS 50 Head - Forty-Five Females

5 Bulls

J. D. Larkin's 3 head get of Elm Park Beauty's Prince, 1st Prize winners, Toronto, 1919 Included in the offering are a number of choice cows with calves at foot and rebred. Just what the new breeder
needs to start his herd. There are also a number of choice females bred to such outstandina 5 th, full brother to Idiolmere, G. C. Chicago, 1919; Espoir Marshall, G. C. Toronto, 1919 and I C C Chicape Benedictine Monk Imp.and Young Leroy, G. C. at four large fairs East and West and winner of 81 Ist prizes Come to the sale and bring your friends. .It does not matter whether you intend to buy or not, if you are an
Angus breeder you should be there o help the sale with your own support, if you are not an Angus breeder you
should be the-e to get some of these cattle and get started in the breed that leads them all. REMEMBER THE DATE---WEDNESDAY, JUNE 2nd

ONTARIO ABERDEEN - ANGUS ASSOCIATION JAMES BOWMAN, Secretary

GUELPH, ONTARIO

ALLOWAY LODGE STOCK哺FARM Angus, Southdowns, Collies Choice bred heifers. Bulls 8 to 15 months ROBT. McEWEN, R. 4, London, Ont
Aberdeen - Angus
Meadowdale Farm
 The Glengore Herd of Aberdeen - Angus



DON'T WASTE YOUR SBARE XIME

Questions and Answers. Miscelianeout

## Wills.

1. Is a will usually left with the lanye
who draws it upa?
 bequest or not ? an exectuor
Ontario
O. ${ }_{2}{ }_{2}$ Ans. -1 . Yes.

Killing Groundhoge
What will smother groundhogs? A.W. Ans.-Carbon bisulphidid is commonly
used. used. A rag is moistened wimmony
material and placed in the burrow. the
 contact with. Do not handete comes mis ma terial around the buildings or near r
lighted lamp.

## A Pig With a Cough.

which is doing all right, but has a a could It is fed on scalded rolled oatt, millt water, and a a litte faxaseed meal.', What
treatment do vou advise? Ans.-A cough usuall
tuberculosis, but with this trouble the pig is usually unthrifty, although it will have a capricious appetite. Coughing is also a symptom of bronchitis, but
with this there is a loss of appetite with this there is a loss of appetite and
general weakness. This trouble usually proves fatal with young pigs. As the pig is hearty and thrifty, we would be
inclined to think that there is a slight irritation of the throat, caused possibly considered particularly We would prefer having them finely ground.

Troublesome Poultry
A and B are two farmers living
by side on fifty-acre farms. A by side on fifty-acre farms. A has
half of line fence and B the other half. half of line fence and B the other hafi:
A plants a field of corn on the end where B 's fence is. B has a lot of hens, and of A's field, and B's hens are continually destroying A's crop. It is impossible
to take a flock of hens to pound. Has A the right to shoot B 's hens when on his he shoots them, or what must he do to avoid this trouble as it is the same every
year no matter what crop is in the fields? Ans.-A cannot legally shoot the hens, hens from trespassing on your premises after a notice in writing has been served upon him of their trespass, he incurs a under the Ontalf of which would be payable to you if you laid the information.

## Paint.

I have a brick house which has become discolored with age. How would the red? What other mixture could yo recommend?
Ans.-The skim-milk paint is made by
mixing 3 lbs mixing 3 lbs. of cement in one gallo please the taste. This should be kept stirred and may be applied with a brush.
It will set in about six hours. If it is not It will set in about six hours. If it is not
kept stirred the cement settles to the bottom. Another applied with a brush to take a half bushel of unslaked lime, slake with warm water and cover it to
keep in the steam. Strain the liquid through a fine sieve or strainer, add a warm water; 3 lbs. of ground rice boiled to a thin paste and stirred in boiling hot; then add one-half pound of Spanish
whiting and one pound of glue. Add 5 gallons of hot fow days before using. Some coloring material may be added

A sale of Guernsey cattle was recently an average of $\$ 2,000$ each. The highest price was $\$ 17,700$ for a wo year-old-daughter of one of the foundation cows at Martindale Farms, St. Catharines the sale around 52 pounds of 5 per cent. milk per day,

Founded 1866 ind Answers.
a Cough.
out ten weeks old hht, but has a cough.
drolled oats, milk axseed meal.l. Whai sually accompanies fty, although it will appetite. courhing
of bronchitis, but loss of appetite aut This trouble usually
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aving them finely
e Poultry. farmers living side
re farms. A has $\mathrm{d} B$ the other half. a lot of hens, and to keep his hens out It is impossible sto pound. Has A them lying where
hat must he do to it is the same every ally shoot the hens. cts to prevent the on your premises
ng has been served espass, he incurs a
$\$ 10$. Recoverable mmary Conditions
which would be iid the information.

## which has become

 How would theixed with Venetian tixture could. you
A. R. H. k paint is made by ent in one gallon
dding coloring to is should be kept plied with a brush.
hours. If it is not hours. If it is no
nt settles to the ture which nny of unslaked lime, T and cover it to
Strain the liquid or strainer, add a usly dissolved in
ground rice boiled red in boiling hot; ound of Spanish
nd of glue. Add o the mixture and few days before
material may be



## One-third of Stratford

is Tarviated-

S
TRATFORD has about twelve Taria is a dense, tough, water miles cf hard pavements and proof tar preparation especially Tarsia-macadam. several miles conditions of practical rearious are maintaired with "Tarvia-B." Tarvia was the frst mal work. Tarvia was sed because the kind on the market and he Tarvia way is the most econom- mained the standard with which reical way of maintairing The 1917 ccsts, including laber, sand, crushed stone, and "Tar- Numerous towrs have adopted per square yard a few cents the rule of tarviating all their per square yard. For this small roads for economy's sake. Many sum all the streets present a others like Stratford are reaching surface, handsome, dustless that point by the force cf logic and The City Engineer's annual report states: "The use of 'Tarvia$B^{\prime}$ as a seal-coat and as a preventive to raveling or disintegration has proved satisfactor




ABERDEEN - ANGUS
--The Beef-Breed Supreme--
See the SUNNY ACRES Consignment at Toronto, June 2nd



 G. C. Channon, SUNNY ACRES FARM, Oakwood, Ontario


Now is the time to plan for an IDEAL GREEN FEED SILO

Begin now to plan for a silo before the spring rush is on. It will enable your cows to give $25 \%$ more milk on a cheaper ration

The Ideal Green Feed Silo has been the choice of thousands of Canadian farmers because it is the best silo available. Sound lumber best suited for the purpose is used throughout. The staves are carefully purpose is used throughout. The staves are careluly
made and finished. They are held together with made and finished. They are held together with
extra heavy steel hoops. The doors and staves are treated with a specially prepared preservative

The Ideal Silo lasts a lifetime and at present high prices. for butter-fat pays for itself in a short time.

$$
\begin{aligned}
& \text { Send for Silo Catalogue to } \\
& \text { nearest sales headquarter }
\end{aligned}
$$

THE DE LAVAL COMPANY, Ltd. MONTREAL PETERBORO WINNIPEG EDMONTON VAVCOUVER


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## Canada's Greatest Breed of Beef Cattle



At the Manitoba Winter Fair AberdeenAngus cattle won every class in the show, with all breeds competing. They also won $50 \%$ of the second prizes and $60 \%$ of the third prizes, Grand Championship and re
serve Grand Championship of the show.

Buy the cattle that make their owners money
Attend the Aberdeen-Angus Sale and Buy Good Cattle. UNION STOCK YARDS
Toronto, Wednesday, June 2nd For information write
CANADIAN ABERDEEN-ANGUS ASSOCIATION
CRAWFORD, Secretary
Brandon, Manitoba

LARKIN FARMS, QUEENSTON, ONT.
ABERDEEN - ANGUS CATTLE, SHROPSHIRE and SOUTHDOWN SHEEP
CORRESPONDENCE and INSPECTION INVITED
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W. READHEAD, Milton, Ontario


Bob Long Says:-
"My overalls and shirts are eromy
and comfornthe, and made espee
and
 want to stretch
legs occasionally.

## BOB LONG GLOVES

will outwear any other make of Glove on the market, because they are made by skilled work-
men from the strongest glove men from the str

Insist on getting Bob Long they will save you money R. G. LONG \& Co., Limited

BOB LONG BRANDS Known fróm Coast to Coast


Easy to
Drive.
Holds Firmly
in
Place.

If you've been accustomed to the back-
breaking job of digging post-holes breaking job of digging post-holes.
handillng heavyooodposts, filling inand
tamping, you'llbe delighte with the
ease, speed and economy with which PRESTON STEEL POSTS are erected. Th, sharp bevelled point
goee in witia few hammer-blows, and
the anchor- plate binds the anchor-plate binds the post so
firmly that no replacemente are re-
quired. Haul enoush at one load to quired. Haul enough at one load
fence a 40 acre field -drive them in day-have a good-looking, permanen
fence. Write for Folder. metal shingle \& siding company RESTON, ONTARIO

## English Dual Purpose

Shorthorns

## 

 Also English ${ }^{\text {Large }}$. Black Pigs-thrift breed-Write or call.

LYNNORE STOCK FARM

Mardella Dual-Purpose Shorthorns 8 choice young bulls; 30 females. cows and heifer by The Duke; dame gave 13,599 1bs. milk, 474 lb . butter-fat. He is one of the greatest living com binations of beef. milk and Shorthorn character.

Questions and Answers Miscellaneous.

Sick Gobbler
I have a gobbler that mopes around,
has been for a week or little more. He has been for a week or little more,
has a yellow diaurrhoa and doesn't eat has a yellow diarrhoa, and doesn eok
scarcely anything and his head looks is wheat and oats mixed. What woul be the cause and treat ment.
Ans.-From the description given, what is the matter with your gobbler
It is possible that he is affected with blackhead, for which very little can be
done. Until he shows symptoms of imdone. Until he shows symptoms of im
improving, isolate him from the main
and
 water is recommended. For blackhear you might try giving a mixture of 5
grains sulphur, 1 grain of sulphate of grains sulphur, 1 grain of sulphate of
iron and 3 grains sulphate of quinine,
giving a giving a little night and morning

Municipal Drainage A owns a farm which has been in his
and his father's possession upwards of thirty-five years. In that time he has
constructed and maintained a system of open drains, and at the present time has
a main drain full length of his farm running north and emptying into lake Parties owning land to the south of A's said lake through two municipal drainsthe one about one-quarter mile west of
A's farm and the other three-eighths of a mile east of A's property-have applied municipal drain through A's property making use of A's main drain, which
would cost at the present time to con would cost at the present ti
struct not less than $\$ 1,200.00$.

1. Would A be justified in insisting apon a fair recompence for said ditch
for value of land taken for the ditch, also the value for labor for excavation already
2. If so, would court sustain him? I 3. A also has three bridges over said in their respective locations for years
Can A compel council to replace bridges when drain is made or pay an allowance 4. Who sets the award?

Ans. $-1,2$ and 3 . We think so.
4. The civil engineer emploved by the

## A Wages Claim.

I hired a married man for a year and
was to have given him five hundred
dollarsinith free house, garden, a quar started work on the twenty-ninth of
August 1919, and stopped on the twentyscenth of April at noon, 1920. He did morning. When asked what was the
troulle, he did not give any reason
but blamed it all on his wife. He
has been eetting his money on the
twenth-ninth of each month, and wher
he stopped there were thirt y-one dollar:
coming to him. I told him I would have
to hire another man in his place to put in
the
the rest of this year and if there was
any thing left after paying the other man
I would give it to him an I told him the
next four months were worth as mun
is the last six. He said it was all righ
in


3. Can he collect for the has mont
$=$

## 40 SCOTCH SHORTHORNS


J. A. \& H. M. PETTIT FREEMAN, ONTARIO

Reyburn Milking Shorthorns ANNUAL INTERNATIONAL SALE thice nilking , AT EUCLID, MINNESOTA, U.S.A. ddress all correspondence to Palmer Farm, Euclid, Minn.
R. R. WHEATON :: :: A. E. PALMER

MILKING SHORTHORNS Young stock from $\begin{aligned} & \text { R.O.P. cows by imported } \\ & \text { sires. }\end{aligned}$ BERKSHIRE PIGS Choicely bred sows and boars, all ag PEARSON Ma PI Germ. Meadowvale, Ont. Credit Grange Farm - Me OUAL-PURPOSE SHORTHORNS



## leg

es. Breceinin Tople flee
LIMITED
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ortes

## HORNS

larse teictaing any
AN,
ONTAR
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J.S.A
e outstanding bulls
Minn.
A. E. PALMER P cove by imported

Meadowale, Ont.


THE MASTER PRODUCT FOR EVERY CAR
Selected by Present Car Owners-because they know the palue from actual testing-atit
Selected by Proopective Car Owners-because thes have heard of the relue from the
DUNLOP TIRE \& RUBBER GOODS C.O., Limited Heal Orce end Factorice . . TORONTO
antras in tre leodac atres

## 。

A 10.0 .

Heaves la
 Fleming's Tonic Heave Remody


Nomine vor focket


 ${ }_{5}^{5}$ FLLEMING SL BROS., Chemidet

## Maple Shade

## SHORTHORNS

A dozen young bulls imported and my own breeding at moderate prices.
W. A. DRYDEN

Brooklin
Ontario

## S̄HORTHORNS

 ribht. Come and ee, or address:
HENRY FISCHER

Boll Phono HENRY FISCHER

## SHORTHORNS


 chas. craham - Port Porrt, Ontarto

## Shorthorn Bulls


in good cond ition, guaranteed
breeders 2 and
priced
to
sell.
D. D. GRAY

Summerhill Farm - Rockwood, Ont. Scotch Shorthorns - Hard headed by Master
 Ale

SPRUCE LODGE STTCK FARM
Shorthorns nd Leotera For Sal
 THREE-YEAR-OLD COWS
GMA with heifer calves by their side.
VALMER BARTLETT. : CANFIELD, ONT. THREE-YEAR-OLD COWS
(with heifer calves by their iside.
VALMER BARLETT. : CANFIED, ONT. Newcastle Herd of Shorthorns and Tamworths for Sale
 A. A. CoLWILL, (Long-Distance Phone) - R. R. No. 2, Nowcatle

## PUSLITNCH PLANES SHONTHGNE

Five bulls for sale by Burnbrae Sultan -80325-.
 Kroterer Reso, an entus, Drumbor, Ont.
Telephone and telegraph by Ayt. BLAIRGOWRIE SHORTHORNS JNO. MILLER - $\quad$ (Myytle C.P.R. and G.T.R.) - ASHBURN, ONT







## The DE LAVAL MILKER <br> Over Forty Years Ago-

the De Laval Cream Separator came to the aid of the dairy farmer.

The De Laval Millker is also an important invention and comes to the dairyman's aid to do away with the drudgery of hand milking. It has been thoroughly tested and has proved satisfactory, in operation, on cows of every breed for over three years.

The De Laval Milker is a distinctly different type of machine, both as to design and operation, positive and uniform in action from day to day; and faster, more economical and more reliable than any other method of milking. The sanitary features are of special importance and will be much appreciated by dairymen.

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Write to nearest De Laval office for Milker Catalog, stating number of cows milked

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10 -SOLD- 10
SPECIAL OFFERING
 Willowbanks Holsteins



## WALNUT GROVE HOLSTEINS


HOLSTEIN BULLS FROM 30-1b. DAMS
 Cedar Brook Farm Holsteins

Questions and Answers. Miscellaneous.

Right to Land As deuys a farm. Band lows is off of 13 actere lot, but ved only calls for 2 acrese can 2 claim


## ORMSTOWN Live Stock Show

OPEN TO ALL CANADA

Ormstown, Que., June 15-16-17-18 $\mathbf{\$ 1 7 , 0 0 0}$ offered in prizes
All judging done inside large covered steel Stadium. The Live Stock Dept., Ottawa, are offering ladge. prizes for finished
Beef, Sheep and Swine at this Show for the first time Show opens Tuesday evening June 15 th with judging of driving horses. Cattle men do not need to be ready to exhibit until Wednesday
Neil Sangster, President W. G. McGerrigle, Sec. Treas.

## Hamilton House Holstein Herd Sires



D. B. TRACY, Hamilton $\boldsymbol{r}$ - Crhour~ Ontarie

Hospital for the Insant, Hamilton, Ont. HOLSTEIN BULLS, ONLY, FOR SALE
Senior sire is from one of the best sons, of King Segis Alcartra Spofford. Junior is grandson
of the noted May Echo Sylvia, by Champion Echo Sylvia Pontiac. Write to the Superintendent for prices, elc.

## Raymondale Holstein-Friesians

 prices are lower than anywhere else
should not remain long. Write to-day.
RAYMONDALE FARM, Vaudreuil, Que. D. RAYMOND, Owner, Queen's Hotel, Montrion
Cloverlea Dairy Farms $\begin{gathered}\text { Herd headed by King Pontiac Rauwerd who conbine } \\ \text { the blood of Canada's greatest sires and dams. } \\ \text { Hit of }\end{gathered}$




"Premier" Holstein Bulls Ready for Service- han, No. 2, Hamilton, Ont.
 30 days. All are sire
want these calves. H. H. balley, Oak Park Farm, Paris, Ont.

 Sylvius Walker Raymondale is the sire of the majority of our young bulls appreciate them. Their dams are mostly daughters now listed. If you see these calves you will
if you want a good buil at a right price. We are also offering fegmaliac Duplicate. Don't delay R. W. WALKER \& SON

9 HOLSTEIN BULLS 9 Every one a show calf, Any age up to 14 mos. Dams
 JOSEPH PEEL, Port Perry, Ont.



INKA SYLVIA MAIDA. (To be sold) Sister to the World's Greatest Cow

## The Sunnybrook Farms' Quality Herd

BREEDING $=\mathrm{MERIT}=\mathrm{PRODUCTION}=\mathrm{CONSTITUTION}$

## Sixty Head of Canada's Best

Containing more 20 to 29-lb. three and four-year-olds than any other one herd in the Dominion. Selling without reserve at Sunnybrook Farms

## North Toronto, Ontario, Wednesday, June 9th, 1920

40 Fresh Cows<br>15 Choice Heifers<br>10 Young Bulls-65 Head.<br>Fully Guaranteed

A positive sale of positive merit. Only five in the offering are up to six years of age - their lives of recordmaking and production are still before them, and nowhere has the quality and standard of individual merit been excelled. Combined with this, their breeding also illustrates their possibilities as an offering of $30-\mathrm{lb}$. material. Just here we would like to point out that of 65 selections catalogued only five are above five years of age, and we believe among them is a larger number of two, three and four-year-old heifers with records from 20 to 29 lbs . than can be found in any other one herd in the Dominion. Many of these heifers are sired by one or the other of two noted sires, Sir Lyons Hengerveld Segis or Sir Natoye Oakland. The former, it will be remembered, was a 33.31-lb. son of the great King Segis, while the latter was a brother on the sire's side to Retta De Kol Madi, 31.43 lbs ., and from Natoye De Kol 4th, 31.13 lbs . of butter, 704 lbs . of milk in 7 days, at 10 years of age. Count Faforit Segis, another sire used in the herd in the past, also has a dozen daughters listed. This bull was one of the
strongest breeding sires ever used at Sunnybrook, and his sire was by a brother to Segis Fayne Johanna, the world's first $50-\mathrm{lb}$. cow. Among the more mature cows selling will be found such individuals as Inka Sylvia Maida, the $102-\mathrm{lb}$. per day cow (shown above), and sister to the sire of the great May Echo Sylvia; Victoria Posch De Kol, 28.10 lbs . of butter, 599.20 lbs. of milk in 7 days; Sunnybrook Inka Mercedes, at present on test, with 27 lbs. completed and still gaining, and others, making in all forty young cows near fresh or in full flow of milk at sale time, among which are 14 two and three-year-old heifers with records from 17 to 21 lbs. The whole making an offering that for exceptional individual excellence and official world's record backing has as yet never been approached in any Canadian Holstein sale ring. Added to this the calves they will be carrying (or have by their side) will all be sons or daughters of our great, young 32-lb. sire, Highland Pontiac Sylvia, grandson of the world's greatest cow, May Echo Sylvia. If this breeding appeals to you, you should be present.

NOTE:-Sunnybrook Farms is one of Ontario's best-equipped farming establishments. The stables are modern, the fields are well tilled, and even though you're not a Holstein breeder, you will enjoy a day spent here. Come on June 9th-we will make you welcome.

## For Catalogues apply to <br> JOSEPH KILGOUR <br> Sunnybrook Farms <br> North Toronto, Ont.

Auctioneers: KELLY and HAEGER.


Motor transport from end of Yonge Street City Car Line
The 32-1b. grandson of May Echo Sylvia Our present herd sire

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CAN BE FED WITH PERFECT SAFETY TO ALL LIVE STOCK
Reasonable prices. Immediate shipment
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The Simplest, most Accessible. most Powerful
3-plow Tractor on the market.



Individual Farmers' Threshers, suitable size to
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Do vour Do your wn Threshiors and Gasoline Engines.
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Lightning Rods

 to the value of the protection. It is money well
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THE LARGEST JERSEY HERD IN THE BRITISH EMPIRE
S.
B. H. BULL \& SONS

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 Farm at Morin Heights iodo Owner, 80 Now Birks Bldq., Montreal, P.Q. Woodrico Farm Herd headed by Imported Champion Rou JERSEY HERD JERSEYS


ALL BULLS OF SERVICEABLE AGE SOLD
herD of edgeley, ont.
DON HERD OF PRODUCING JERSEYS

## nd Answers.

 inary.
## ed Heifer

came dull, eyes ra ficulty in breathing d and continued er on the third do ent have saved her ave been? C. R. P. ins indicate an acute monia, for which no
been effective. $V$. Wound.
into his front le stiff and swollen in the wound healed, and has been run e foreign matter i part of the slive
as forced in by th must be enlarged ated and remored, lushed out 3 times with a 5 -per-cent.
acid.
The wound acid. The wounc
ntly so long as an nty so long as any
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ras something re-
his front legs his front legs. He roud flesh with It is all under Sub. tically scratches,
Keep a poultice to the part until remove scab, and th' a feather once - Then keep in a imes daily with a zinc to a pint of
Bull.
ce September his teeth. He eats ed his mouth and teeth. He also losis and he did Ie is very thin ercise. He is 3 Warian examine is very probable tult. The cough In some ad
of this disease of this disease
Then again $y$ not have bee All that you car regular exercise lered sulphate of nd nux vomica
poonful 3 times poonful exerise.

## BRANDRAMS GENUINE



THIS painter knows by the "feel" that it is not an ordinary white lead he is mixing.
When he added linseed oil and turpentine, he found that the white lead "broke up" with scarcely an effort. It became a smooth, velvety liquid, and now he is admiring not only its smoothness as it falls from his paddle, but also its glossy whiteness.

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If you have not yet become acquainted with BRANDRAM'S GENUINE B.B. WHITE LEAD, try it on your very next painting job. You will always use it, if you once give it a trial.

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Oxford Down Sheep, Pioneer Flock $\qquad$



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Berkshires pigs, rich in the blood of Lord Premier's Successor 1615000, Grand Champion, cendants have won Grand Champlon honors at the largest and strongest shows of 1919 . The
Champion Berkshire barrows of 1918 Internationa! vere double errandsons of Lord Premier's Successor. We have shipped many Berkshires to Canad. HOOD FARM, INC., Lowel1, Mass.
Chester Whites Our sixth importation has just arrived. One lit-
ter farrowed in quarantine-sired by Champion ooar Ohio State Fair-and a sow in pig to notired by 1st and 2nd prize aged and champion JOHN G. ANNESSER, Tilbury, Ont.

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 from large litters.

WELDWOOD FARM Farmer's Advocate, London, Ontario YORKSHIRES

David A. Ashworth - Denfield, Ont Meadew Brook Registered Yorkshires service,
able for quick sale, R. W. MiNERS, No. 3, Exeter, Ontario
G. Inverugie Tamworths A choice lot of gilts bred for June and July farrow Leslie Hadden, Bor 284, Sunderland. One TAMWORTHS
Young sows, bred for June and July farrow, and
bors for sale. Write or 'phone. JOHN W. TODD - Corinth, Ontario

English Large Black Pigs
I have an exceptionally fine litter of thif grea
breed of pigs for sale. Very hardy, thrifty and breed of pigs for sale.
easy feeders. - Order early
easy feeders. ${ }^{-}$.
G. A. LOCKE,

RFRKSHIRS -My Berkshires for many years have won the leading prize ADAM THOMPSON R R No. 1, Stratford, Ont ADAM THOMPSON, R. R. No. 1, Stra



5 OU'LL find that Gold Dust - soapy and cleansing-takes wonderful care of wood-work-a tablespoonful only to half a pail of warm water. See how quickly and thoroughly Gold Dust removes the oily deposit and dirtalmost without rubbing. Woodwork cleaned with "soap rubbed on a cloth" is apt to be smirched. But cleaned with Gold Dust-how new, how fresh, how spotless it looks!

When you see the words Gold Dust on the pack-
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## Take Your Time, Don't Hurry!

There is no need for so much rushing on baking days, hurrying to get your cakes in the oven-such exhausting exertion adds baking to the list of household drudgeries.

You can take your time yet do more with

## EGG-0 Baking Powder <br> than with other brands because the ledven-

 ing action of E gro- O only ceases when your cakes are properly baked-No matter ifyou do have to wait several hours for your yove

And don't worry if your oven does cool off. Egg-O will leaven your baking with less han most other brands.
Ats above all, don't worry about fallen cakes, forlow the directions on the label.
You will use less Baking Powder, and
have better baking

Egg-0 Baking Powder Co. Limited
Hamiton, Canada


## Our School Department.

The Improvement Club. The following suggestions for a school improvement club are presented by Prof "Rural Science Readers:" book entitled Rurate Readers:

BY-LAWS

1. The officers shall be elected at the beginning of each half-year
2. The membership fee 2. The membership fee shall be five
cents, payable half-yearlv. cents, payable half-yearly
3. Meetings shall be held on Friday
afternoons as arranged by the Executive Come 4. Every member shall join some part Younger pupils in the school will be encouraged to take part in the meetings.
order of business.
Reading of minutes
Communications
4. Communications,
other schools, etc. 3. Reports of Committees and New
Business. 4. Program-Addresses, papers,
ports on home projects, or debate.
stggestions
any Caticular school be improved in any particular by all working together?
If there is room for improvement, organize an Improvement Club. clear, out-spoken manner Also in a how to conduct public meetings. Knowl. edge of these two things will be very 3. Donate

Club, when it is fillute Book of your Library. It will be interesting School classes. Invite your friends to an meeting of your Club. Appoint a critic from among the visitors to point out how
improvements can be made. 5. Have a contest in in composing a
school yell and a school motto. 6. Conduct the election of officers for your School Club in the proper manner.
Have nominations and vote Learn the procedure, followed in the election of your school board, your
municipal council, and your chert officials. a mieeting of some ortunity offers, attend how public business is conducted. The
older boys might attend older boys might attend some of the
meetings of the local Farmer's Club and the girls those of the Women's Institute. in preparation for the time when they will
take the places of men and women.

More and Better Teachers.
The leaders of education in the Province out ontario, both in the Legislature and
out of it, are studving ways and ure improving the public school. Among the various suggestions four stand out prominently, namely, more extensive training
for teachers, consolidated ship or county boards, and higher salaries The first calls forth little discussion township consolidated school and the criticism in the public press their share of neither is very popular in rural distrietly Astion teachers' salaries, a vexed remuneration not hing short of meagre
tion will supplv recruits in sutipCrs to fill tip the ranks of suffecent num-

shut sendlout the follow-
and assistant
form five or six miles away? If your one
roomed school is roomed school is going to live, get in im
terested in it.

## Young Animals.

A Lesson for the School.
Aim.-To interest the pupils in the and chickens, so that they maybs, calve ${ }^{\text {appreciate them more. }}$ Materials. Pictures. calyes and chickens. Of colts, lambs the pupils.
Method.
young animals Have you seen any colts, lambs, calves, and chickens me what you have seen them do? What do they eat? Leet us become acquainted with young animals.
Describe its at the picture of a colt, Describe its appearance. When young they grow older? How do they when What fun do they have? What will they do if they like you? What happens to the hair when a year old? How does the motect cat? her colt? How does she protect it? How does she show that she ance, habits, food, and care of calves and lambs. Look at a picture of chickens. How do we get chickens? What is the appearance of a chick when it comes out of the shell? Has it any feathers? How are chickens fed? How often should
they be fed when young? Who teaches them to eat and look for Who teaches the chicks follow around? What hapipens when they are alarmed at anything? s to Which do you like, best? Which seems happiest?
4. Why do you like young animals? How can you tell them apart? What do hey eat and how do they act? What and protect young animals?
5. Look carefully at colts, lambs, calves, and chickens the next opportunity what they eat and how they play
6. Read poems and telll stories about young animals. Try to draw pictures of calves, lambs, chickens, and colts. The above lesson plan is from Nature
Study Lessons by Dr. D. W. Hamilton.

## Arithmetical Problems.

 a Wagon Wheels, By Arthur Smith. The front wheels on our wagon are 4 feet in diameter and the hind wheels 5 How often does each wheel turn in going the $21 / 2$ miles from our place to Stanley's Mill?Oy Cheese Factory Returns, By We are sending all the milk from six of our cows to the factory. The weights for last week were: Moncay,
Tuesday, 224 pounds: Wednesiday, 240 pounds: Thursday, 242 pounds; Friday, 237 pounds: Saturday, 240 pounds. What is the daily average yield from What will be the returns for the week Allowing $10 \frac{1}{2}$ pounds of milk for a pound of cheese, what weight of cheese would be made from the milk?

Federation of Teachers.
Peel teachers met in the Court House, Brampton, May 8 , for the purpose
of organizing the
Peel 1 Branch of the Teacher's Federation. The meeting was addressed by Secretary Fraser of Toronto, Mr . Nelson of Wellington and others. While the Federation have at hear the teaching profession, the main feature the teaching profession, the maming, the schedule adopted being that recommended by the Central
he Province which makes the minimui salary $\$ 1,000$ for a teacher with a per manent certificate. Teachers receive
their permanent certificate at the end

MAX 27, 1920
THE FARMER'S ADVOCATE.


## Harvest Your Hay Crop with Ease

THE farmer equipped with Massey-Harris Haying Tools harvests his hay crop without rush or worry. He gets all of the hay in its best condition, for with such modern machinery it is handled right and handled quickly, and it is handled with the minimum of help, a point of special importance in these days.
There's a machine for each operation in the Massey Harris line-a mower that handies tame and wild grasses alike, and goes through an entire crop without - hitch-a Rake and Tedder, or the modern Combined Side Rake and Tedder facilitate the handling of the crop-and the Hayloader and the Bain Wagon with Rack get it to the barn in the most efficient manner.

Learn more about it from bur spectal Hay Tool Folder
MASSEY-HARRIS CO. Limited
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AGENCIES EVERYWHERE

## The Farmer's Uniform

$L^{\text {IKE the soldiers' uniforms, Kitchen's overalls }}$
are the result of,many years of learning lessons how to afford tip-top, service-giving quality and design.


KITCHEN'S
OVERAIUS
are the farmer's uniform. They make your work easier by giving complete service. Just try them on in the store and see for yourself how easy to slip on or off and how roomy and comfortable. Plenty of pockets. Buttons won't come off. And they wear like everything. Note the strong seams, double and triple stitched at the danger point Insist upon Kitchen Rall Signal Brand. Made only by
The Kitchen Overall and Shirt Company, Limited

Exclusize makers in Canada
Brantford = Ontario


## Burlington

 Steel Fence Post Cheapeat-Strongest fence post for woven or barb-wire line fences, residential fences, etc. WRITE TO-DAY FOR BOOKLETFor sale by all Fence, Hardware and Implement Dealers.
BURLINGTON STEEL COMPA NY, LIMITED
327 Sherman Avenue, North, HAMILTON, CANADA *ite \#

$-0^{0}$
CEPARATING with a Renfrew allows you to get all the cream there is in the milk. When you feed expensive feeds to get more milk you do not want to waste your effort by losing a lot of cream. Thousands of dollars are lost to Canadian farmers and dairymen through the fact that many separators do not skim properly and the extra cream goes off into the Skim Milk Pail. The

## P <br> enfrewCREAM SEPARATOR

gets the maximum amount of cream. That means more butter, greater profits, or a saving of money otherwise lost. "A good separator is cheap at any price."

The Renfrew is 100 per cent. Canadian. It is an investment that saves more money than any other machine used on the farm. The Renfrew has demonstrated in tests at different Dairy Schools that it skims closer than any other separator made.

The Renfrew is endorsed by leading Government Dairy Schools, dairymen and general users.

It is easy to keep clean. All working parts are enclosed in an airtight casing. No oil can leak out and there is obsolutely no appearance of
oil on the outside of the separator. Oiling is only necessary once in three months.

The Renfrew is the only separator with an interchangeable capacity.

The milk supply can is placed low, which is a great convenience and thoroughly appreciated by women. The crank for turning is high, which makes it easy to turn without stooping.

Every feature of the Renfrew Separator is a feature that will save you money that is now being lost.

The Renfrew is sold in foreign countries as well as in Canada and wherever it goes it backs up its record as a "triumph of Canadian skill."

The Renfrew Machinery Co., Limited
Head Office and Works, Rewfrew, Ontario


[^0]:    Shropshire Yearling Ewes bred to Biiby's
    Lakeview Yorkshires
    Twe ambs et by him. Two Shorthorn bulls
    To Clydest s. stalion.
    W. H. it GH, Myrtle Station, Ont.
    When w. .h, Myrte Station, Ont.

