PUBLISHED EVERY WEEK, \$1.50 PER YEAR.


LONDON, ONTARIO, JULY 3, 1919.
No. 1397


N making the Ico,coo McClary stoves in roig, vast quantities of iron and steel must be handled every working day!
Yet every casting is even more rigidly inspected to-day than in the early days when only a few small stoves went out from the plant to create a name for McClary's.
Not an operation in the whole plant is allowed to be hurriedly or carelessly handled.
This rigid principle of manufacturing has made McClary's the greatest stove and furnace works under the British flag.
To-day, if you are thinking of buying a heating or cooking device of any nature, you should consult McClary's.
Any of this list of Booklets on heating or cooking will be sent, if you mention this paper
"Service from the kitchen"-about the Kootenay Steel Range.
"Magic of the Pandora"-about the Pandora Cast-Iron Range.
"Comfort in the Hcme"-on heating with the Sunshine Furnace.
"Satisfaction"-dealing with McClary's Gas Ranges.
"McClary's Electrical Appliances"-on cooking with electricity.
"Household Helper-Canning Edition"-describing McClary's Florence Automatic
Oil Cook Stove.
'The Story of a Range "-McClary's Simplex Combination Coal and Gas Range.


MC@ (1)
See your local paper for name of McClary's dealer.
18


## Years of Experience

Agricultural Experiment Stations of Europe, United States and Canada are unanimous in their reports on the profitable use of fertilizers.
Note the increases in wheat yields obtained through proper fertilization at different stations:

| Station | No. of Years | Yields (Bushels per Acre) |  | Increase due to Fertilizers Buish, per Acre |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Not Fertilized | Fertilized |  |
| Pernsylvania <br> Rothamsted. Eng <br> Virginia <br> Indiana <br> Ontario. <br> Ohio | $\begin{array}{r} 35 \\ 63 \\ 8 \\ 87 \\ 27 \\ 50 \end{array}$ | $\begin{gathered} 13.4 \\ 12.6 \\ 7.83 \\ \text { not given } \\ 10.70 \end{gathered}$ | $\begin{gathered} 25.7 \\ \text { 10.6. } \\ \text { not given } \\ 22.46 \end{gathered}$ | $\begin{gathered} 12.8 \\ 179 \\ 6.82 \\ 129 \\ 5.2108 .3 \\ 11.76 \end{gathered}$ |

"IT WILL PAY better to use
more liberal amounts of fertilizer on more liberal amounts of fertilizer on
wheat now than in ordinary times, wheat now than in ordinary times, increase in the yield to pay for liberal fertilization.'

## (Prof. Indiama Experiment Station

The Dominion Experimental Farmis Report: "Without a single exception the
fertilizers were profitably employed." Fertilizers apolied at the time of sceding your winter wheat will provide readily available plantfood and help the plant to form good strong roots, enabling it more easily to withstand the rigors of the win-
ter and early spring-freezing and thaw ter and early spring-freezing and thaw-
ing, which cause heaving.

> Wheat Fertilization is
Good Crop Insurance


## 

 Average yields at IStationsupplying complete dita. The Soil and Crop Improvement Bureau 1111. Temple Building

Toronto

## SHARP-POINT STEEL POSTS

 No Holes to dre

No posts to rerlace Shapp-ponv posts we moies, t ime and work:
 PRICE, 48c, eack. Freleht pald on ordere of 50 posts Farm and Lawn Fence-Got my pricee. Oorder your postat the eqe tine you mail your order. Tor fence. orter
Bank Dia the to
A. R. LUNDY, 257 King St. West, Toronto, Ont.


When writing advertisers will you kindly mention The Farmer's Advocate.

## Cletrac <br> TANK-TYPE TRACTOR

## 

## Gets the Hay in Quickly

time to get your hay in. You don't you. There's a Cletrac dealer near time to get your hay in. You don't you. Write him or us for our book
want to take a chance on the written by farmers, "Our Owners weather. Let the Cletrac Tanktype Tractor do your haying. A Cletrac Tractor will pull the mower at more than twice the speed of a horse. It will pull a hay-loader
at an even, steady speed. at an even, steady speed. And no
malter how 'hot the weather, it won't worry the Cletrac.
Cletrac owners are finding that they can do twice the work with half the help. Economical, too, rums on kerosene (coal oil). Cletrac for You can't beat the Cletrac for
summer fallow. Plows fast-and and plows well-without ever packing the soil.
Later on you'll need its fine beltpower for threshing and silo-filling. The Cleveland Tractor Co. of Canada, Limited, Windsor, Ontario

## The First Line of Defence

A plentiful supply of ammunition is the first line of defence against the enemy. When waging war against the Potato Bug army, make sure that your first line of defence is impregnable by using Murro's Pure Paris Green-the only ammunition you'll need. When the first Potato Bug appears, spray the plants with a liquid solution of this old pears, spray the plants with a iquid solution or anis your
reliable Kiler, and the enemy will be destroyed and reliabbe Killer, and
potato crop saved.

> MUNRO'S PURE PARIS GREEN
tha ane fuffy rich yree powder made to Government standard, It be
been killing potato
buem ior been killing potato buyg lor yerre and dhity yer mill ilil more than evere
 Drus, Grocery and General Store Matacturion in



More Money one whs will write to-day to the GILSON MANUFACTUR-
ING COMPANY, LIMITED, 240 York St., Guelph, Ontario Say"
Dear Sir
Say."
Dear Sir,
In reply io
In rophy to yours of the sist withimo, I have these tractors wopling in in wowing and
preparing land for flaxtand other crops.
Phey are Theeled freas mar, which su poriso to thehigh.
 our experiencer is that the plowing cost an aberegor of our sil is around sbe. on
 - Werfech hobe found it delivered atis the blt over so hors found it deldioned on the belt
to sel and ensiz to tient actually oo sel and easion to wighten on the belt than 1 have sild font learis. of horses, which ve wised for this last year for about one Syring with wotractors. $\square$

$\qquad$


## ONE MAN CAN FARM

 MORE LAND with the

## Monna

With the Moline-Universal-the ment the rear wheels. Onem original two-wheel tractor-OneMan ment the rear wheels. One man can farm more land than was ever seat of the implement.
before possible, because-
One Man has power at his com- Being close coupled to the implemand equal to six horses, capable backs as readily as it goes forward of doing the work of nine horses, and turns in a 16 -foot circle. It due to its greater speed and endur- steers so easily that a boy or One Man operates the Moline- man. Universal from the seat of the implement to which it is attached, where he must sit in order to do
good work. good work.
One Mancan start in the spring and go from one operation to aning, cultivating, sowing, harvesting grain or corn, spreading manure, grain or corn, spreading manure,
filling the silo, cutting wood, etc.. doing all farm work from one year's end to another, independently of
horses or hired help. All these one-man operations are possible with the Moline-Universal It attaches direct to the implement making one compact unit- the trac tor the front wheels and the imple

Willys-Overland, Ltd., West Toronto
Manufactured by MOLINE PLOW COMPANY, Moline, Ill.

## FRAND TRUNTK EMMETEM

The Double Track Route

Between Montreal, Toronto, Detroit and Chicago

Unoxecelled dining car service Sleening Cars oning vart service

Partor Cars on principal Day
Trains.


The Auto-Home Garage

A. COATES \& SONS

MANUFACTURERS
BURLINGTON

Founded 1860


A Clean Churn and -
Mpindisor
Universil Tractor, of the MolineUniversal Tractor, 3,380 pounds,
and its high clearance
greaterthan andits high clearance-greater than
that of the average cultivator make it pertect'y adapted for culti-
vatinc vating. It is not the kind of tractor bed dres your plowing and seedwhile your horstion, and then rests whltivating and harvesting planting, Mechanically
Mechanically, the Moline-Universal is the most mociern tractor and improvements containing refinements tractor on the market. High other efficient motor. Electric ligheed, and starting. No necessity to keep the engine running idle.
Write us for interesting literature
Toronto


ED

(Cows will be It is not too it is is liely to | Wer read in |
| :---: |
| now withous | This is This is an

Layers. Many healls of" an
Atree the
nearer the ir
pays.
The Cost of
sideratle intorna


10alpy

## Steel Rails <br> for Reinforcing Bridges <br> and Barn Driveways Cut any length <br> JNO. J. GARTSHORE <br> 58 Front Street West

How To Run A
TRACTOR
 free literature
Canadian Correspondence College


SNAP-SHOTS

GOODFELLOW \& BALCOMB

Certrians.

| How would |
| :---: |
| manuactures |

${ }^{\text {limen show }}$ far
We have
currency lecint
currence becin
yiven before the
not help but thit
Acoorling
seect on this
siteratice seced
I.
nut the dry
not

crop of sece
While ,
coll


PATENT SOLICITORS
Fetherstonhaugh \& Co. The old established
firm. Patent everywhere. Head office: Royal



The fares are
must have n
families. The
wages because
astice of bread
last increase
advancing, an
another increa
just as did the
have still more

## ${ }_{l}^{\text {Elet }}$ fre

un A
OR


# The Farmer's Advocate and Persevere succeed sume Madazine establisheo SUCCEED <br> <br> Home Magazine <br> <br> Home Magazine 1866 

 1866}
LIV.

## EDITORIAL.

[^0]IONDON, ONTARIO, JLLY 3, 1919

A World Awakening in Live Stock.
The coumtry without an agricultural policy would le like a stip at saz without a compass and no one will dispute the statement when we say that the agricul-
tural policy for Canada must be built upon and around the live-stock industry. We must have a policy that the live-stock industry. We must have a policy that
will give the greatest volume of exportable surplus, and at the same time enhance the fertility of Canadian spil. For vears the crop-producing ingrectients have been mined from the Western prairie lands and transported eastward in the form of wheat or millfeeds. Ship after ship has heen filled to the deck with soil fertility, only to deliver its precious cargo somewhere on the other
side of the ocean. While the Prairics were especiall adapted to wheat growing, and we would naturally expect settlers to engage in that method of farming it has its weaknesses and Western Canada is now gradu ally but surely drifting around to a more stable and permanent agriculture. So it is in the East. In spite of labor shortages and extra demands on the whole farming community, Eastern Canada has gone ahead in regard to the live-stock industry, as shown in an article in the live-stock department of this issue, until
now the nine provinces of Canada show a live-stock population far in excess of anything heretofore recorded We are not alone in this advance, however We are only getting into the race. We cannot afford to be ononly ge
From our English correspondent comies the word that at British ports there are being daily enacted scenes of great activity in sending abroad thousands of head of pedigreed cattle, sheep and pigs, which buyer in all parts of the world are gathering together with a view to the expansion of the output of meat. "On the high seas as I write," he says, "over a thousand hear of beef cattle choven from ourleading herds of Shorthorns, Aberdeen-Angus, Herefords, Sussex, Devens, and other native breeds, are gong either to ranches in Rhodesia, Argentina, Úruguay, Brazil and other countries southi of the equator, or to Canlada and C.S. A. to strengthen existing herds there reduced by the cald of war conditions. Sheep and pigs likewise have salled Canada and the Argentine."
No mean or second-rate sires are being taken by these countries. Their purchases include champion winners at Perth, Birmingham, Penrith, Merexith tions, and though some of these bulls have cost over the other side of the world they will prove worth their cost when mated with native herds. Argentine buyers have beea paying up to $£ 1,000$ each for rams, and taking first choice of the English breeders' flocks. In spite of this heavy drain on the British pure-bred herds and flocks, that country is still replete with potential
breeding stock, and our correspondent says that an breeding stock, and our correspondent says that an extraordinary development has taken place. New men ture, and are running it on commercial lines. Despite the enormous development in practically all countries of the world, it is certain that Britain will retain her premer position and still remain the stud farm of It slould be realized by rulers and ruled alike in this Dominion that we must have a progressive agricultural policy which provides every opportunity possible for to compete with all the other courageous young countries of the world. No half-way policy will be effective. A ridiculously small amount of our arable lands are now being cultivated or grazed. We have railroad facilities capable of serving ten times the population we have, but which must be maintained by eight and a half million people. Our packing facilities are capable of expansion,
and the whole industrial fabric of the country is capable
of looking after a vastly increased live-stock production We, like other young countries of the world, are entering Quantity and quality are the two factors upon which
Que breeders and producers must focus. We have shown that with a diminished agricultural population the live stock of Canada can be increased; now it is up to us to increase the quality of our product so as to compete more successfully with our rivals on the markets of the world. Producers generally should get a firm grasp of the situation, for upon them depends, to a very large
extent, the future prosperity of the live-stock industry and the welfare of the whole nation

## Cull The Flock

While to many farmers the flock of poultry may appear like an insignificant factor, yet cne hundred hens are capable of yielding quite as handson:e a divic'end as any live stock of the san:e value I ept on the tarm. some good poultrym en claim that it is just as easy to get winter eggs as it is to get winter milk. Both The culling operation of farm focks has reached its highest development in Prince Edward 1sland, where experts have assisted farmers in culling out the nonproducers and establishing a flock on a productive basis. There are a few fine points which guide experts when separating layers from non-layers, but there are also a few features which are apparent enough to permit almost anyone to make a reasonable selection. As a rule, poor lavers are fat. lazy hens which arly in the roost late in the morning and go back early in the evening. They molt late in the season, and, as a rute, are easily distinguisson ine stment of approximately two hundred dollars. Buildings and equipment would raise this to the neighborhood of three hundred dollars. No farmer can afford to have three hundred dollars tied up in such a form that it will not return a revenue. A rigorous selection of the flock, followed up with the addition of a number of early-hatclied, welldeveloped pullets so as to bring the entire flock up to the neighborhood of one hundred, will, in many cases, change a neglected adjunct of the farm into a revenueproducing investment. Put the flock in the charge of some member of the family, and do not belittle the work they are doing.

## Soldiers Settling on the Land.

 While soldiers have not rushed headlong into farming upon their return from overseas, the Soldier Settle ment Board has been fairly busy in examining applicants provinces. Up to the middle of June, 17,1C9 applications for guatication certificates had been received and 12,594 soldiers qualified to participate in the benefits of the Act The heaviest rush of applicants has been in the Western Provinces. British Columbia has 1,914 soldier settlers; All, erta, $3,3 \times 5$ : Saskatchewan, 3,124; Manitoba, 2,349; Ontario, 723; Quebec, 271; New Brunswick, 366; Nova Scotia, 269; Prince Edward Is land, 193.During the same period, $814,467,974$ were dispensed in the operation of the Act for the purchase of land, stock and the making of improvements. The total number of loans granted is $4,26{ }^{\circ}$, and the average of loans made is $\$ 3,394$. The Act provides that an approved returned $\$ 8,500$, of which $\$ 4,500$ is for the purchase of land, $\$ 2,000$ for the purchase of stock and implements, and $\$ 1,000$ to cover the cost of improvenents. A certain amount of these liabinties retired by the settle annually, by paying interest and a certartization plan,
the principal. This is known as the amor

THE FARMER'S ADVOCATE.
Fowned Mitig

The Farmer’s Advocate and Home Magazine.
the leading agriccitirat jotrial in the
the whilam weld company (limied).
Jons Wild, Manaker.


THE FARMER'S ADLUATE AND home MagaziNe



 3. Advance: ATiANG, RATES- 25 cents per line, agate, flat
4. Live-stock advertising rates given on application.




8. Aubcrption is paid.
every case the comunications will receive no attention. In
Civen ame and 1 Post Oftice Address Must be
9. Wiven., A REPLY BY MAM, IS REQUIRED to Crgent.
. LETTERS intended for publication should be writen on one

12. WE N.WITE FARMERS to write us on any agricultural




 nected whithis paper should be addressed a
to any individual connected with the paper.
ADDRESS-THE FARMER'S ADVOCATE, or
THE WLILAM WELD COMPANY $\begin{aligned} & \text { (1.imited) } \\ & \text { London. Canada }\end{aligned}$

When the majorits of the suldier- reterned trman and con-gucmbly were not overy enthusiatic atomit farming. It i- ponible that in he readnatment on
 awn. White only 12.,.94 shders haw alrouls then





The Worry Habit.
By stamy frafer.
Tatking almot the crop reports, frac the differemt farte o' the country an' that sort o' thing, remind mes something I saw in the paper a few week back. I cun it oot and laid it by "for future reterence," as oror meenister says about ony guestion that comes up that
 benefit. Herest the way it reads:
 Whas hear, and in mand ases hehind theo of 1915 , astrons extent. The high lands are very grech and
promining. (hine of the chicf troubles wer which


Whe country if the bashoppers come or the Bul-
chape get too many for us or somet hing like thet. chape ket too many for us or something like thet
mand that worries by nature or, as a naterer on prime
 ner business as a rule, wi's small pay an' lang ho There's juist one kind o' a man that I wad
aret the worrs halit. That is the chap that Oget the worre halhit. That is the chap that
clined to be a wee hit lazy, tae put it in plain hang Ite has, as see might say, gone tae the it her cat
of the reason for ony man beng bethat If the reason for ony man being behind with his
his year is the fact that he found it win his year is the fact that he found it casiur to pe:
his plowing till this spring when he might hae d ha plowing till this spring when he might hae do
lat tall, I wad sal to him, 'Gace aheal an' worr
of can. It mat be as guid as a

But for the mon that has done the heed he
 up nighte to see if the sun is gare in' trise. Th
mill the the win time, an' so will be the results

Nature's Diary
Ranchers of the Northtand.
The rume hee of Canata are gradualle:
ivine phace to farms, and it doess not take


thr tuming the sul-arctic regions s
Bat inte.i meat and wool-producing
Bat ithe ineat and wool-producing coment

Inen engesed in the tark of extending
mimath to the nerth: la far noethern
amale require housing and feeding
portion of the vear at or remper the
pheses the crahlishment of hert
domestation of the Musk-Ox.
The Reinder hat
Europe for a l lige time, and h.
introduced imto Alaska with
herth have doubled wery hree
the Smerican markets, athd 100
it 1 , mondon, where the sold
conto per pund more that beef.
the ize of a sheep which prombere num and whit


 mammals, and they are able
againt all enemies exeept man, as when oltacked 1 forma circle with the calves on the
stefansom states that the dea
lichens and moveston the nort hem tamira is erron and that in reality there is an abundane of gr.w.
The explorer says that there are a milliwn aumer The explorer says that there are a milliwn suane mid
of fine grazing country in the north, wnd that the will mer varies in length from six muntho morth of shat Lake th three months in the mowe nerthern Hut whether the summer is six montho or there
he continues, "it is abundantly lome chough ton the development of nutritious vegetation, which althmeh
 grazing amimals throughout the winter is wedl.
anow-ath in mose parts of the far north in los than that of Manitolat. I was lrought up in Manitotion in Dakota in sections where houses were fur spare, whi
speak with the authority of ample waprence when speak with the authority of ample "xpericnce whel
ons that at that time a man hrought un in Manint. if he wuld hawe been magically
midde of Banks holand, would me



 Mhennt ot sow on the ground and the srass hete no


## 




$\qquad$


 than they think it is the new plate to twe sopp in' nff at
 anither of the regular auld fantioncel anaker whe Flumbly hat sulified ume man that wis atratd or his clat



$\qquad$

THE HORSE.
Take time to let the air circulate under the collar
the horse. There is more than sent iment lxhind thi
better thonax than drag a young colt when teach it to lead. A little cajolery

Regular and ample grooming
tor ketp a horse in the bea condition, hut and
in clean
fere tre an important p
ofticient subentance and poron

Classifying Horses for Sale or Show-ring

Two Welland-County Farmers who are still loyal to the Horse

## LIVE STOCK.

## The Live Stock Industry in Canada.

0
the aggressive hard fighting combatants of the Before, During and After Five Years of War great war and among the decisive factors in the
ultimate issue, none were superior to agriculture. In the keeping of peace, permanent peace, there can be suggested no other factor of equal potency with agriculture, and in "the return," as well as in further empire countries in the new world places her faith, absolutely in agriculture. Metaphorically speaking, agricultural Canada is girding up its loins after making a tremendous contribution to the success of the Allies; is taking its
second wind, preparatory to subscribing the lion's share second wind, preparatory for subscriburg the that has piled up during the five years of the war. It assumes its logical position in the industrial life of Canada partly
on the foundation of a splendid war record as is herein recorded, and partly on economic principles that commend themselves to all true economists and builders of nations. The country is fortunate indeed that it can pay its debts, and bring prosperity and plenty to its
people through the development of natural resources, and, broadly speaking, the greatest natural resources of Canada and the only ones capable of non-exhaustion,
are her three hundred and fifty million acres of land are her three hundred and fifty million acres of land
suitable for crop and live-stock production, and her vigorous climate. No country need go into the hands
of a receiver while possessing such assets. of a receiver while possessing such assets.
Live Stock the First Move.

In the broad field of agriculture, there is one depart
ment of primary importance in that upon its develo ment of primary importance in that upon its develo
ment depends, the expansion of the remainder. W refer to the live-stock industry. First principles refer to the each us that the permanent fertility of
agriculture teact
soil cannot be maintained unless live stock soil cannot be maintained unless live stock occupies a
prominent place on the farm. Patently the only factor prominent place onate natural resources deserves, de mands, and will receive first consideration. A first principle taught in our high school chemistry, the "Law of the Indestructability of Matter," is graphically
illustrated in the relation existing between live stock and the soil.
Considering the situation from every conceivable angle, there can be no hesitation in reaching the con clusion that agriculture is the most dependable asse
the Dominion has to rely upon for her future develop the Dominion has to rely upon for her future develop-
ment, and the easing of the financial burden incurred ment, and the war

Remarkable Performance
This statement is based on sound premises,- -the
record of a remarkable performance. During the five record of a remarkable performance. During the five years preve of 51 per cent. of the annual revenue from all sources of the export trade of Canada. During the
year 1918, the return from agriculture represented 49 per cent. of the revenue from the total trade of th Dominion, which included the aggregate of exports
from all sources, mines, fisheries, forests and agriculture If the value of war materials exported were deducted from the manufactures, the products of the farm would
represent approximately 87 per cent. of the total value of export trade of the country. In the light of this re markable performance it is very evident that in our effor to maintain our nationai creart, to pay our nationa due to returned soldiers and their dependents, we must first consider the returns that may be obtained from agriculture, as also the favorable and inevitably premier
position occupied by agriculture in the necessary and permanent development of industrial Canada. The agricultural export trade of Canada is divided into two main classes: namely, agricultural produce
and animals and animal products. It is on the developand animals and animal products. It is on the develop-
ment of this trade that, to a large extent, depends the future prosperity of our farming industry. The avall while the population of Canada is very small, conse-
quently it requires no great effort to supply domestic quemand, and an outlet of considerable capacity is an
demsolute necessity to the proper expansion of agriculture absolute necessity to the proper expansion of agriculture
in general and live stock in particular. Furthermore. in general and live stock in particular.
the larger the percentage of our total exports that is producing value of our sils.
In that connection we may well consider what has been accomplished in developing our meat trade up to
the present, because it wrill indicate the possibilities of the Dominion as a contriduting factor to the needs of
the United Kingdom, our chief outlet, and serve as a basis, or as information, by the following tables the
As is demstrated be the
United Kingdom has leen, during recent vears, the destination of practically the total exports of the animal
produce of the Dominion, white our live cattle shecep markets, although as will be sliown later in this article, Canada formerly fount me markets of the United Ki In the year 1913 it will be remembered that free access was obtained to the United States markets for Canadian cattle. This new outlet, or rather freer outlet, is not,
however, a market for butcher cattle only. Statistics of exports show that a large per cent. of the cattle going stocker and feeder quality, and are imported into the States for finishing. There is not only a shortage of
young cattle on the farms across the border, but als, a young cattle on the vigorous, well-doing character of

Y P. E. Lici

The accompanying article is the first of a serie of three which have been prepared for "The Farmer's Advocate" by P. E. Light, of the Live-
Stock Branch, Ottawa. These arricles are indeed stock-taking of the whole live-stock industry with a picture of the past and a full explanatio of our position after four-and-half years of wa effort. Canada's cattle stocks have increased
46 per cent. Our possibilities for production 46 per cent. Our possibilities for production
are practically unlimited, but what of the market? Here is where the Canadian farmer must play his part and to do so he should have a thorough under
standing of the whole situation anding of the whole situation. This series of
hree articles gives a graphic picture of the in three articles gives a graphic picture of the
dustry, and suggests a program for the future.
the stocker and feeder cattle from the farms of Easter
and Western Canada
In confirmation of the statements made, regardin ing tables are submitted.
Volume of undermentioned animal produce exported following fiscal years.


Ready for Market
Tonl ments of the matrune fiom (anada during the fiscal years empling

to the war and the two years preceding the signing mendous increse, and to particularly note the trestock mentioned, in 1918 and 1919, compared with stock mentione
Number of live stock slaughtered at inspected establishments in Canada, fiscal years ending March

| Ontario: | Cattle | Sheep | Swine |
| :---: | :---: | :---: | :---: |
| 1912 | 153,735 | 156,957 | 1,253,104 |
| 1913 | 171,408 | 146,861 | 1990,843 |
| 1918 | 335,029 | 159,100 | 1,254,868 |
| 1919 | 366,915 | 193,712 | 1,254,171 |
| Quebec: |  |  | = |
| 1912 | 134,755 | 125,585 | -429,718 |
| 1913 | 158,967 | 155,537 | 367,198 |
| 1918 | 176,155 | 92,951 | 288,888 |
| 1919 | 231,212 | 89,381 | 332,069 |
| Manitoba : |  |  |  |
| 1912 | 56,246 | 41,221 | 85,984 |
| 1913 | 70,095 | 59,553 | 123,406 |
| 1918 | 105,425 | 14,264 | 197,936 |
| 1919 | 124,458 | 32,450 | 314,482 |
| Sask., Alta. and B. C. |  |  |  |
| 1912 | 53,213 | 34,899 | 58,823 |
| 1913 | 48,849 | 64,867 | 107,239 |
|  | 161,045 | 40,708 | 371,088 |
|  |  | -, | 11,001 |
| Maritime Provinces |  |  |  |
| 1912 | 452 | 17,775 | 25,368 |
| 1913 | 1,061 | 19,614 | 19,055 |
| 1918 | 3,586 | 29,874 | 16,902 |
| 1919 | 4,143 | 27,152 | 62,037 |

Live-Stock Holdings
After having noted the heavy increases in killings at inspected establishment, it is highly encouraging th
find that our live-stock holdings have not only met the keen demand of the war period, but have been materially

The numbers of farm live stock in the Dominio during the year preceeding the war, compared with the Armistice, indicate that despite the scarcity of labor high cost of feed, and many other contributing factor oo the high cost of production of meat during the period
of the war, the holdings of farm live stock in the Do minion made marked increases. For example, th cattle and sheep population was increased during the period mentioned, and in the face of heavy killings in
response to the tremendous call for pork and pork pro response to the tremendous call for pork and pork pro
ducts to feed the Alliied Armies in Europe, the Do
minion increased her swine population by 24.4 per cent

Strong Position of the West
The accompanying statement of population shows hat the most noticeable increases during the five-vear period were made in the Western Provinces. This is
significant, indicating as it does that the dream of a western wheat belt is now considered by the Western farm operations, live-stock production must be made
the foundation. It is interesting to note that in Manithe foundation. It is interesting to note that in Mani-
toba, Saskatchewan and Alberta, there has been an toba, Saskatchewan and Alberta, there has been an
increase in the number of cattle during the period under discussion of 100 per cent.
It is evident that Western Canada represents the
Dominion's most favorable area for rapid livestock
Deminion's most favorable area for rapid live-stock
levelopment. Indeed, the progress of the industry in
the Prairie Provinces is one of the Prairie Provinces is one of the most me pleasing and
atisfactory. features of the agricultural advances of Canada during the past decade, and the assurance of a
continuous and permanent export outlet for the procontinuous and permanent export outlet for the pro-
ducts of live stock, together with the guarantee of facilities to take care of the products is the one considera-
tion which will insure the development of the industry into a great national revenue bearing asset. While in
Eastern Canada the increase in population is not so marked as in the West, the provinces of Ontario and population during the closing years of the war, and while
the Maritime Provinces do not show as satisfactory a parts of Canada, the steady decline of the period previous of the war seems to have been arrested. There is every
probability that given sufficient encouragement, the remarkable increase in live-stock population of the Dominion will be trebled and quadrupled during the
next five years. Farmers, breeders and prominent live-stock men, and prominent meen in other pursuits, olore had such an appreciation of what may be accoma greater national revenue bearing industry, and as well
to take advantage of the means to estallish agriculture upon a permanent basis, which latter objective
can only be reached through the keeping of sufficient
live stock to maintain normal fertily Handling Facilities

[^1]Nova Scotia: Mitch cow Other cattle Sheep.

New Brunswick Horses.... Other cattle Sheep
Swine Quebec Horses

Milch cows ther catt | Sheep. |
| :---: |
| Swine |
| Svine |

Ontario Horses.....
Milch cows Other cattle

Manitoba: Horses ...
Milch cow Milch cows
Other cattle shicep Saskatchewan Milch cow Other cattl Sheep.
Swine Alberta: Horses
Milch cows Other cattl Sheep.
Swine

British Columb Horses....
Milch cow Milch cows. Sheep...
Swine...

time baker, took up his position in the enclosure ready to battle with the woolly ones. The old shepherd, an which had attached to its end a wooden hook two feet in length and not unlike a scythe blade in shape over mepherd and his assistant took a position directly by-ten-foot tank

After a heated, but brief struggle with a ewe, Charlie flung it into the water with a splash. I immediately collared it with my pole and led it over to the reach of the shepherd and Bill, who in turn grappled the plung falling water After a minute of this the under the released and passed out the little exit and was soon standing on the rocks, letting the water drain from the fleece, while I was leading the next one over to the shepherd. It was my particular business to have one on my hook in readiness to pass across to the shepherd
when he was ready. The excitement prevailed when Charlie had particularly good luck and four or five sheep were swimming about the pool at one time While I was engaged in holding a particularly keen nanny, an over zealous sister or two or three of them often made a bee-lime for the exit. Such incidents were not without their compensations. Charlie provided with the high spirited "sheep" He in turtic struggles forget to laugh heartily when he took a few sheep by surprise and shoved them all in together. After putting the whole flock through in this manner, they were left to dry at the other side of the stream for a quarter of an hour, and then the poor water-soaked creatures
were herded into the enclosure a second time they were put through the "wet" process This was the real washing, the dirt coming out in such quantities after the soaking that the tank was often like a mud puddle in spite of the hurried exit of the water
We finished in
We finished in good time to everybody's satisfaction. As I wended my. way across the meadow I came to the conclusion that the English method of sheep washing N. J. LA
Nether Swell Manor, Stow-on-the-Wold.

## THE FARM.

Settler's Views on Fire Protection Editor "The Farmer's Advocate": thermselves on the back at the end of every year over
the success of their fire-ranging plans; but to tell the truth, around here the seasons have been
make, any serious fire possible. The question is, a
they doing good or not? one thing 1 do know there is they doing good or not? one thing I do know there is not
the same amount of land cleaned up as there would be
if we could burn when dry enough. It is not a bit of
use trying to burn brush and logs unless dry and then you cannot get a pemit when you want it, or by the time
you do get it it starts to rain and is too late. It is not you do get it it starts to rain and is too late. It is not
easy to get in touch with your fire ranger, especially easy to get in touch with your fire ranger, especially
when it is dry, but after a rain he is usually around. when it is dry, but after a rain he is usually around.
What does this mean? Around here there are thousands What does this mean? Around here there are thousands
of acres of land that have been timbered or partly timbered of acres ane
leaving the ground covered with logs, brusi, stumps,
etc. Each year they are getting dryer, but one is not allowed to burn it as we used to at a dry time. It amounts to this, we will get another dry season and
another fire and when it does come you might as well
try to stop a tempest. 1 think it would be better to
burn some every year as we used to for it has got to bur and burn it will.

Imiskaming, Ont
The British Minister of Agriculture Resigns

Lord Frnle has resigned his rost as British Minister Lord Ernle has resigned his post as British Minister will agree that his Lordship has had one of the most
difficult tasks ever set a Minister of the Crown.- During


It is only Oatmeal and Water.
his tenure of office he accomplished much well meaning and effective work, but the conditions created by the upon agriculture by two other new departments, those
of Food Production and Food Control, have, with the difficult position in which the industry stands at the mome it in regard to wages and the fixed prices paid brought about Lord Ernle's head much hostile criticiom. Perhaps. Lord Ernle's greatest accomplishment w good measure, as far as it went, until the Wages Board

created under the Act, threw the balance of the sca dead against the cereal producing farmer. To this future of British agriculture. He took office with these ideals: To see the land cultivated to its utmost capacity; to see more live stock maintained; more produce aised; and more laborers employed at higher wages. fe essayed to attain those results by increasing nd most profitabished to make wheat the pivotal it all there stood the fear that such a very necessary Wartime remedy would not or could not, be expected to be effective for long after the war. During the war would reduce the number of live stock in the country He argued that, besides producing an additional quantit of human food, a larger head of cattle could be carmed on arable land than on grass. But therein he failed

## Real Prosperity

Editur "The Farmer's advocate :
The true prosperity of any country cannot measured in dolars and cents; and all attempts
judge our well-being by the trade and commerce statisti

So far as material things are concerned true prosperit
depends first, on the abundance, or quantity of thos things; secondly on the kind, or quality of those things things. If the supply of commodities is short we canno be said to be a prosperous people. Starvation will
follow if we do not have sufficient food. Inadequate housing and clothing will produce bad
various standpoints. If school buildings
various standpoints. If school buildings are lacking, the education of our children will be defective. An
so one might go on to enumerate many examples wher the lack of quantity unquestionably works to our di
advantage. Abundance, therefore, is one factor 2. But it is not enough to have plenty of material
good things; we must have abundance of the right kind A people whose material wealth consisted of alcoho
gunfowder, precious stones and fine public building ould be in a most precarious condition, even thoug the quantity of these commodities was tramendous. and $p$ roduce life. Good food is necessary, light is neces-
sary, fresh air and exercise are necessary. Education
inspiration are necessary. Music and recenting, literature and the like may be of great value
Therefore, even from the standpoint of abundance, we Q. Buat neither quantity nor quality will suffic without character. Dynamie mor be used to clear lane
of stumps. and stoves, to tunnel through mountains or to help us dig precious minerals from the earth
But it may also be used to destroy life and But it may also be used to destroy life and lay wast the glutton; and clothing or houses may be used for in unskilled rider with fatal results, while to put micro scope or telescope into the hands of the typical navvy
would be pure waste. People must have that within hem which responds to good music, painting or literature be used or abused. The great war, just over, ex of mankind, or the vast material wealth of the moder world ever put to more life-destroying purposes?
Everyone should keep in mind, then, when our -leek politicians are talking about our marvellous prosperity and our great wealth, that it is not enough
to have a big production or trade in things which have 4 money value in the market. It matters a great deal what
kind of things are produced or traded; and it matters still more what the character is of him who uses these things.
"Man's life consisteth not in the abundance of the things ich he possesseth." Wi form.

AUTOMOBILES, FARM MACHINER AND FARM MOTORS

Installing the Spark Plug.

> When the cylinder becomes heated, it expands, and finally results in a fractured porcelain. Screwing Mlug ton tightly into a cold cylinder makes its removal
difficult when the cylinder is hot, as the expanded Ylinder walls bind on the threads and grip the plug
The plug should be screwed into the cylinder just tight enough to prevent the leakage of the gas. A short, thin wrench (bicycle wrench) should be used on spark plugs, as it will be difficult to e
cessive force on the plug with the short leverage
> ping the bushing or packing nut. Packing leaks are
often occasioned by the wrench loosening wed homening the bushing void any gas leaks around the plug, as they reduce
gas leaks may around the thr will pass up th The thread
sometimes cau new plug, or plug hole and ad by coveri are being tak Plugs are than a hot. cold squirt k Never exer The high ten plugs by mea
These term nd do not j of the engine. generally a mo
e plugg te onnection wil o an abrupt h olug bindin wire is bright wire do not pr Wires beco caused broken he capacity

Make Nee The season and binder, eality these but they hav must be kept bar of the mo in the guards is considerably
is done. Man
machines in pro machines in pr
them going as refuse to wor
bar runs straig bar runs straig
the knife sharp if necessary. the life of the some parts th the whole ma
for a small s This is a time be discarded i There is a and yet wher
runs very sm runs very s
vasses. The the other pa
When putio by accident a delay, and do
If the binder C to have a larg
the cutting se the cutting se out of the
dampness. binder is the
have seen b percentage o
Implement upon the pur
was needed binder gave repairs made A day lost in
good deal an both the mo Both these There is very tongue. Tru also be used are owned, i horse to suc
continue to
draft of the small gasoline horses will on
is a particular is a particular
grain lodged.
$\qquad$
$\qquad$ will often wre
plement, and
done Adjust and better w

## Founded 1866

 citime k office with these ts utmost capacity more producet higher wages. vheat the pivotal
rming, but behind a very necessary
not, be expected
During the war acrifice of pasture
ck in the country. ck in the country.
dditional quantity
e could be carried e could be carric
herein he failed
,mity cam truu properent
annity of tho te whose thing
as leaks may be found by pouring a few drops of water
around the threads of the plug. If a leak exists, bubbles will pass up through the water showing its location. The threads of old spark plugs become worn and
sometimes cause leakage. The remedy is to install a new plug, or to run a new sharp tap into the spark plug hole and re-form the thread.
had by covering the threads with me may sometimes be care being taken that no soap gets on the insulatio as it will cause a short circuit.
Plugs are more easily rent

Plugs are more easily removed from a cold cylinder than a hot. If the plug sticks firmly when eng ne is
cold souirt kerosene around the threads. This will generally allow the plug to be removed.
Never exert any force on the porcelain or insulation The high tension cables should be connected to the plugs by means of some type of "Snap Terminal," such terminals may be had from automobile dealers. These terminals make a firm contact with the plug, and do not jar loose from the plug by the vibration
of the engine. They are easily disconnected when the inspection of the plug becomes necessary, and are generally a most desirable attachment.
The high tension cable should be firmly connected the plug termiar under oustances. Al loose onnection will cause misfiring or will bring the en cine o an abrupt halt. If snap terminals are not used the plug bin wire When making connections see that the wire is bright and clean, and that frayed ends of the wire do not project beyond the plug and make contact with other parts of the engine
aused brokend. ins ansected from the plugs have caused broken down spark coils and magnetos, for the eason that the length of the gap was increased beyond

Make Needed Repairs on the Binder The season of the and binder, two of the most complicated machines in use on the farm, must be brought into operation. In but these machines are not altogether complicais but they have a large number of working parts which
must be kept properly adjusted and oiled. If the cutting bar of the mower is not in alignment, or if the plates in the guards are dull or chipped, the draft on the team is considerably increased and, at best, rather poor work
is done. Many farmers take pride in keeping these machines in proper repair, but there are others who keep them going as long as they can, and, when theyabsolutely
refuse to work, cast them aside. Unless the cutting
 bar runs straight, there is 11 kely to be a side dratt. Keep
the knife sharp at all times. Put new plates in the guards if necessary. By making timely repairs, keeping the machine oiled, and seeing that bolts and nuts are tight, the life of the machine is greatly prolonged. There are some parts that are not subject to wear. Why discard
the whole machine when new parts can be purchased the whole machine when new parts can be purchased
for a small sum to replace the worn or broken ones? This is a time for economy, and no implements should be discarded if it can be put in repair.
There is a multiplicity of working parts to the binder,
and yet when all are in order this great tabor-saver and yet when alt are in order this great labor-saver
runs very smoothly Care must be taken of the canvasses. They are likely to give trouble before some of
the other parts, unless they are properly looked after. When putting them in, see that they are straight. If
by accident a slat or buckle is broken replace it without delay, and do not leave the canvass exposed to moisture.
If the binder cannot be housed every night it is advisable to have a large waterproof cover for the machine. When the cutting season is over the canvass should be taken
out of the binder and hung where there is no chance for dampness. Possibly the most delicate part of the have seen binders discarded because a considerable percentage of the sheaves were being thrown out loose.
Implement agents were possibly responsible for urging upon the purchaser a new mache. As a rule, all that was needed were two or three small parts to replace
the worn ones which were causing the trouble. If the binder gave a little trouble last harvest, it is well to repairs made before the machine is really required for use. A day lost in harvest time waiting for parts means a
good deal and should, if possible, be avoided. With both the mower and binder, have the knife sharp; gocd Both these implements are rather heavy on the horses.
There is very often a good deal of weight thrown on the tongue. Trucks have been designed and are in use for
taking the weight off the binder tongue. They may also be used on the mower. Anything that can be done are owned, it is customary to attach this mechanical horse to such machines, and, barring accidents, they
continue to work all day regardless of the heat. The draft of the binder may be lightened by attaching a small gasoline engine to run the moving parts, so that the
horses will only have the machine itself to draw. This is a particular advantage when the ground is soft and the An expert plowman will look carefully to the adjustment of his plow, but a novice, or careless plower,
will often wrestle all day with a poorly-adjusted imdone. Adjust the cutting parts and the draft properly, part of the man and team

## CANADA'S YOUNG FARMERS AND

 FUTURE LEADERS.
## Getting the Farm Boy Interested

All boys are not intended by nature to be farmers but there are many of them who would remain and name rather than seek employment in some line for which they are unsuited, if they had the proper education and encouragement. We recently read a book
entitled "Farm Boys and Girls," written by. Wm. A. McKeever, and published by the MacMillan Company, in which a chapter is devoted to this very subject. Boys as well as parents can find many useful suggestions in the following paragraphs, which we are reproducing.

The one who undertakes to develop a boy's interest
business affairs has really before him a problem in business affairs has really before him a problem
in experimental psychology. Many of the youth's best aptitudes are necessarily. still slumbering and unn to either himself or others. The fund venture steps preparatory for a successtut coaratively few, but none of them can safely be omitted. They are as
follows:-follows:-
Willingness to Work.-In this connection, per-
haps something will be recalled from Chapter IX. haps something will be recalled from Chapter IX.
We may at least be reminded of the difference in the We may at least be reminded of the difference in the painful necessity and the one who enjoys a willingness to work. So long as the youth feels as if he were driven to his tasks there is little hope of arousing his interest in the business side of it. His mind will continue too much on the problem of avoiding work, and on ways and means by which to get something for nothing

There is probably a period of dishonesty in the life adolescence there is a great wave of new interest and new meaning coming to him out of interesting enticements. Everything looks to be good and within easy reach. He is especially prone to accept material things at their advertised value. He spends his dimes for prize boxes thought to contain gold rings and other go in payment for the "valuable" things offered "free for the price of the transportation," the purpose of this tempting g

But it is well to see the boy safe through this period of allurement. So long as the world seems to hold out so many highly valued things which may be had for a
trifle the youth will see little need of his working to obtain them. So, attend him in his efforts to get obtain them. So, attend him in his efforts to get times, and thus teach him how and where to look for the sting. Finally, impress him with the thought that every material thing worth while represents the price of somebody's honest labor. At length he will see the reasonableness of industry, and settle down with a
purpose of making his way through life by means of

honest endeavor. You now have the youth so far on his way to successful business undertaking
Ability to SANF.-All healthy boys are naturally inclined to be spendthrifts. Saving a part of one's.
means is a fine art acquired only through judicious practice. It is assumed that the young son is being reasonably paid for certain required tasks. So the next duty is to see that he saves a part of his earnings. For the purpose of this training in saving, a toy bank may be produced; or he may be directed in depositing
a small weekly sum iri a penny savings bank. Still small weekly sum iri a penny savings bank. Still
nother way is to teach him to keep a book account of his earnings, giving h
withheld from his wages.
There is one small business practice, the importance
which for the boy is too frequently overlooked; of which for the boy is too frequently overlooked; change in his pocket. He must learn to use his money
thoughtfully and not merely on every occasion of his
rly, even during the rush of haying and harvest. I takes no longer to do the
milking one time than anmilking

Keep the milk flow up to normal, if possible, even i extra feed must be used. summer it is difficult to bring back.

Using fly repellant o the cows gives them a cer-
tain amount of relief. Cows kept busy fighting flies al day cannot do to
milk production.

Driving cows long dis tances to pasture during hot weather materially re-
duces the milk flow. Plan on having one pasture fiel near the building

Cows should have access
water at all times. If to water at all times. I water in every pasture field
being allowed to have it. He must acquire the habit of self-restraint in the use of money. To do this is to
learn to spend judiciously. To have reached this stage of financial training is a sufficient guarantee that the youth is proceeding
business enterprise.
Then, give your growing son as wide a variety of
experience in work and in watching business affairs
as the situation will permit of. During the process of this mental growth help him to make a small invest ment in something that will grow and increase unde is a certain strain of corn or a certain breed of cattle If the boy shows an interest in this matter, start him at an early age, say ten to fourteen, on his own account on whim in exchange for his work a small plot of ground later entering the boys' contest for a prize. Or, help him to get a small beginning in the cattle business.
But in case the lad shows no interest in your business, do not let the matter seriously trouble you for a moment. Simply continue to give him his general education, ing in the performance of work as well as the judicious use of the spending money that may come into his hands. Careful study of the boy may indicate to you that his aptitude for business runs in the direction of something to which you are giving little or no attenion, but to which you may in time bring him.
iscovered his son's fondness for pure-bred cattle who the boy was carefully started on a small scale in the business of raising Shorthorns. To-day that son is known far and wide as an able specialist in this line o stock breeding. Now, if the father in this case had done as thousands of other farmers are still doing
namely, if he had attempted to force the boy, against namely, if he had attempted to force the boy, against or any other undesirable business, then, the son would have most probably skipped off for the city and secured a fourth-rate place for the mere wages it would bring. Some day this tragic, oft-repeated story of mismanage ment and misdirection of the growing boy will come out n all its distressing details.
from the beginning. Do not hastily business principles him a piece of property that will have to be taken from him in the future because of its having grown into a disproportionate value. This old form of mistreat ment of the country boy has been the means of thwart

## THE DAIRY.

ke the dairy responds to comfort, good care and feed

Some dairymen find that it is profitable to keep the cows stabled during

It pays to milk regularly, even during the rush or

## $\square$

 we bflow.

Pails, cans and other dairy utensils should be thoroughly scalded and then left in position for the
sun's rays to do their disinfecting and sweetening work.

At the National Holstein-Friesian sale, held ini
Philadelphia, 37 bulls averaged $\$ 2,335$, and 157 females
$\$ 1,545$. J. B. Hamners 6 head made an average of $\$ 1,545$
$\$ 6,267$

Milking the hind-quarters first has a tendency stimulate milk production in the back-quarters to the detriment of the front-quarters. To kee
balanced udder milk the fore-quarters first.

Parturient Troubles in Cow. Retention of the After-birth or Foetal Membranes Retention of the after-birth or foetal membran (frequently called the placenta or the cleanings) is no ditions and at all seas met min cows in all frequently noticed in cows in low probably it is more sanitary surroundings, no care, food, surroundings or
drugs act, with any drugs act, with any degree of certainty, as a preventive We cannot understand why it occurs or why it cannot be prevented, but experience teaches us that such are the facts. In ordinary cases the membranes are expelled whortly, or at most in a féw hours after parturition, longer, and then spontancously expelted. 24 hours or even cases spontaneous expulsion will not take In othe decomposition is well established, when they escape in pus and small pieces.

The symptoms of retention are generally evident but in some cases this the vulva of a portion of it after-birth being wholly retained within the the In such cases, provided the cow has been untied it is hard to decide whether the membranes are retained or have been expelled and eaten by the cow. Cattle
have the objectionable cows of eating the after-birth. taste. When possible it should be prevented. In some cases its consumption
does not appear to does not appear to affect others it causes more or less derangement of digestion
and consequent and consequent illness, while The placenta contains a large number of arteries of
different sizes, the which are largely composed of yellow elastic tissue which is practically indigestib


Part of J. A. Morrison's Ayrshire herd at Mt. Elgin, Ont.
taken into the stomach the soft tissues an the mass is readily, but the arteries (at least in some cases) remain
practically intact, reach the practically intact, reach the fourth compartment of the somach, form into a ball (resembling a bunch of twine)
and remain there. This interferes with digestion, and if this ball reaches the pyloris $($ the exit from the stomach to the small intestine) it will oclude it and death wil soon follow. Hence its consumption should be pre
$\qquad$
Some claim that it is wise to allow nature her course when the after-birth is retained, that manual experience. When not expelled or has not been our composes, and, in most expeses, or removed it de
with the health danger of absorption thrittiness of the cow, and there decomposed matter, which may cause blood-poisoning. exclusile comfortable quarters, sanitary surroundings warm drinks and mashes cold water, and allowing turition in cold weather, tends to favor spontaneous explusion, it does not always act, and we find that when
nature fails to means of removal is by hand. Just what lengthe ont should be allowed to elapse after parturition before it is wise to interfere, depends, to some extent, upon the
weather. In warm weather decomposition quickly, hence it is not wise to delay interference longe 8 hours or eve, while in cold weather it is safe to allow Having decided to must decide whether his knowledge and skill in the
matter are sufficient matter are sufficient to warrant his interference, or If the cattleman has a knowledge of a veterinarian, edious and disagreeable and is not afraid to tackle a
branes are still adherent. In rare cases a little gentle cases they must be carefully detached by, but in mos with thumb and finger of each cotyledon. As puration of the membranes is detached it should be drawn out and held by the other hand. The operator should be careful to keep hands and arms well oiled and disin
fected in may have abrasions or sores on them, and there would be danger of infectious matter entering. Care should be taken to remove all the membranes, after which some more of the warm solution should be injected into
the womb. In mostly all cases the removal of the after birth is followed by a discharge, and in some cases it
is not possible to reach all parts of the womb henc is not possible to reach all parts of the womb, hence
small portions of the membranes may remain, which will be discharged in membranes may remain, which wise to adminster antiseptics to prevent danger of poisoning. For this purpose probably nothing fivec good results as carbolic acid given in 40 to gives as doses diluted in a pint of water, and given as a drench or sprinkled on
discharge ceases.

Dairymen at Mount Elgin Own Their Cheese Factory
of the best appearing and most fully equipped cheest and has a capacity for handling a large quantity of milk, This factory is another instance which proves that agriculturists will pull toget ther for mot mal beven that
Prior to 1917 the majority of the farmers in the vicinit. of M. Elvin patronized the local cheese factory wicinity


Cheare Factory at Mt. Elgin Owned by Farmers.
the owner of the factory sold out to a large milk condensary company without even hinting the fact to the patrons. Word soon got around that on a certain cheese-making and haul the cake possession, sto Immediately a meeting of the dairymen was called and arrangements were made for organizing a company build a factory. A provincial charter was obtaine and the company was named the Mt. Elgin Milk Products, with a capital stock of $\$ 10,000$, divided into 400 shares of $\$ 25$ each. The condensary comuse of the factory for a time, and even offered to make the milk into cheese during the summer at a very cheap rate. This may have been to prevent a new factory being built in competition to them. How ever, the required amount of stock was subscribed and the shareholders worked harmoniously togethe teaming and much of the work was doctory. The the result that operation was started in the new, with on May 1. During 1918, a butter-room and the neces sary equipment for manufacturing whey butter was added. A large separator was used together with a pownds churn. From two to two and three-quarter pounds of butter is obtained from the whey per one to the returns. This also gives whe padrons considerably of obtaining good, fresh butter for home use privilege presentative of The Farmer's Advocate sampled some of this whey butter and found that it compared favorably with butter manufactured from cream. J. Basket, a ready demand for all the whey butter that could be made. Besides separating the whey from the Mt. Elgin factory, the whey from a couple of other factories in the vicinity is also separated and churned. J. A. whom we are indebted for the information regardin the commencement and working formed us that some were prejudiced against uses it and prefers it to the creamery butter which they are able to obtain After May 1, 1917, the factory made 165 tons of idea of the extent of the dairy industry in the vicinity of Mt. Elgin. It must be remembered that there as factories in close proximity to the place, and the con densary has a receiving station within a stone's throw received the During 1918, 2,204 tons of milk we balance made into cheese factory retain commission of thirteen cents per hundred, ten cents of which goes to the maker for weigh ing in and teaming it to the station. The three cent maker is by the company. By this means the cheese mhen is retained the year around, so that a any time during the milk is being shipped, which is generall to cheesemaking, if it is deemed advisable, on shor notice, to stop shipping the milk. The price paid the April, to $\$ 2.80$, in December. Then they had the whey While by-product during the cheese-making season during the pas price of whole mik has been tempting during the past two winters, many of the patrons of the
Mt. Elgin Milk Products Company believe that, i they had hogs to take the whey, they would have obtained as much money had the milk shipped been made into

The aim is to make the factory pay interest on stock and be self-sustaining. During the past two years the
patrons were charged 30 cents per cwt. for cheest above the price paid the maker, or the same margin as the holders have received five per cent. per annum on thei stock, and, in addition, the profits have paid for part retaining 25 cents per cwt. for cheese. The maker
gets $\$ 1.35$ per cwt., thus making the cost to the patron for the handling of the milk equal $\$ 1.60$ per cwt. of wht. for their milk, and the cheques issued to them equipment was $\$ 7,000$
There are usually from fifty to sixty patrons, including a number of village patrons with one or two cows.
Occasionally a patron on the outskirts of the territory deserts the factory, but new ones come in from other
points. Apparently the patrons are satisfied with
factory repterns and actory returns, and the -majority of them remain loyal
to the farmers' company. bought out by condensary or milk-powder companies high prices, for condensed products. Now, when the demand is lessening and the price of cheese has advanced,
the local factory is closed and the condensary affords the only market available. Taking it one year with
another, and considering the value of whey as a hog feed, the cheese-factory patrons are about as well off as the days the cheese factory was a boon to many farme early per cwt. The cheques from the cheese factory coming in monthly have met current expenses, helped to keep lifting the mortsages off the land. It is an advantage
to have a factory so equipped that the milk can be turned into the avenues which will the milk can be
returns. If the largest returns. If the price for whole milk is more remunerative
than for cheese-making, it may be shipped, but when the than for cheese-making, it may be shipped, but when the
supply exceeds the demand, as it always does during the

IUly 3,191
summer mont and manufact which does no
are equipped $f$ $t$ is most pro patrons of sucl
of a factory The dairy in bounds. of whole milk $f$ milk used for dairymen w dairymen will lerds. Preser
lairy products

## HO

Don't T
sually broken requently the around. One carcer, and
itality there rom year to and mice. of vegetable
bush beans, 3 sprouts,
5 ; celery,
and manufactured into cheese, a nutritious food product which does not deteriorate rapidly. Some cheese factories are equipped for making butter during the months when
it is most profitable to do so. It is readily seen that patrons of such a factory have an advantage over patrons of a factory where the milk can be used one way only
The dairy industry of Canada is bounds. For several months of the year the supply of whole milk for city and town trade is inadequate, unless drawn long distances by rail or truck. The amount of
milk used for ice-cream and other delicacies is increasing every year. In order to keep pace with the demand dairymen will of necessity either have to enlarge their herds. Present indications of the individuals in the

## HORTICULTURE.

Don't Throw Old Vegetable Seed Away
Atter the garden is planted each spring, there are irequently these disappear before the next season comes around. One can effect a small saving by preserving
these seeds. Prices are higher than formerly, seed is scarcer, and when it will germinate with good
vitality there is no reason for not saving the seed rom year to year. Unused packages of seeds should from year to year. Unused packages of seeds should
be kept in a cool, dry place, free from attacks by rats
and mice. A Purdue University bulletin gives the life of vegetable seeds as follows: Asparagus, 2 years;
bush beans, 3 years; pole beans, $3 ;$ beets, $6 ;$ Brussels sprouts, $5 ;$ cabbage, $5 ;$ carrots, 4 or 5 ; cauliflower,
$5 ;$ celery, $;$ celeriac, $8 ;$ Swisc chard, 6 ; itron, 6 ;sweet
. corn, 2 ; upland cress, $5 ;$ cucumber, $10 ;$ egg plant, $6 ;$
endive, 10; kale, 5 ; kohi rabi, 5 ; leek, $3 ;$ lettuce, $5 ;$
musk melons, $5 ;$ watermelons, 6 ; onions; $2 ;$ parsley
 spinach, 5 ; winter squashes, 6 ; tomatces, 4 ; turnips 5 . ear to year they should be tested for germination, and
there is any diminution in vitaliyt, or particularly n germinating ability, more seed can be sown. However,
on seed
old seed has a value and should not be wasted.

The Weak Spot in Farmers' Gardening Methods.
When asked recently regarding what he considered
be the weak spots in farm methods in so far as they or the weak spots in farm methods in so far as they Vegetable Specialist, said: "Farmers generally would our times as much manure as they commonly do. manure per acre, but the general practice in the country s to give a scanty dressing amounting to
nore than is used for ordinary farm crops."
Those who plan and, to some extent, work ahead onnection is this more universally true than in garden-
ing. Manure for the garden should be composted the ummer previous so as to rid it of weeds and have
well rotted to permit of heavy applications in the spring. Humus is essential in garden soils, and it is o apply such large quantities of stable manure. Sometimes this is only secured at great expense, and usually
it costs much more to haul it than the manure itself is worth. Stable manures are everywhere regarded as
fertilizing materials of the greatest general value, but owhere are they so prized as in a vegetable growing
rea. For the successful production of vegetables of they may be, and frequently are, supplemented by quite remain the basis of all methods of maintaining fertility
in vegetable soils. If it were not for their great value in adding humus
o soils barnyard manures would often be too dear to apply in such large quantities, but in market gardening, growing of cash crops to be distributed fresh to the
consumer that there is no opportunity to grow green consumer that there is no opportunity to grow green main dependency for maintaining the supply of vegetable
matter in the soil. Stable manures are valuable even for muck soils, although these contain large percentages of vegetable matter at first, which must be replaced.
Humus increases the capacity of soils to hold water, and water is a prime requisite in growing vegetables
of high quality at a profit. Humus also acts as an aid 0 soil aeration, assists in bringing about necessary chemical changes in the soil, increases the soil tempera-
ture early in the spring, assists friendly bacteria to work, improves the texture of soils so that they are
easier to work, and thus acts as an aid in reducing the
labor of tillage. Stable manures decompose more apidly than green manures and, therefore, come into and still benefit them in time.
Most gardeners find that they can get manure for in large cities, and if it does not need to be hauled too far it can be put on the land very reasonably. The
cent. of water) than cow manure, which contains per cent. of water and is looser in texture. Because of to prevent the loss of ammonia. Cow manure is slow acting, and because of this may be more safely applied
near the time of planting than horse manure, although near the time of planting than horse manure, although
the cash value of each is much the same when the amount of fertilizing constituents is taken into account strong contrast to sheep manure, in that it generates fary little heat in decomposing. Sheep manure, if amount of nitrogen for which it is highly valued. Hen
manure is a splendid manure for inten ive crepp and while rich in potash and phosphoric acid, is, like sheep manure, especially rich in nitrogen. Both hen and sheep manure are especially good for onions and Fresh stable manures are not suited to intensive
forms of gardening, nor to a great many crops, because hey are too slow to act and too coarse to become properly fresh manures cause too rank a growth of such crops as tomato, egg-plant, melon, cucumber and other fruit relatively small quantities of fruit. The same holds
true with root crops like radish, turnip, heet, carrot true with root crops like radish, turnip, beet, carrot
and parsnips, since poor root development follow excessive top growth. Therefore, it is that gardeners supply of well-rotted pile to provide for a continuous
is allowed to ferment in piles a Besides, when manure seeds are killed. Generally speaking, coarse manures should be plowed under, while fine manures like hen hog and sheep manures should be applied as top-dressing Intensive
nches thick or more over the entire surface and apply as much as 100 tons per acre. Twenty-five tons is a moderate application for small crops such as are grown

## POULTRY.

## Commercialize the Farm Flock

## Under no circumstances should a flock of hens be able to show better returns than on the farm. With the abundance of green feed available or

 With the abundance of green feed available, or hand at all times, and with plenty of grain inthe bins, suitable for poultry, the flock numbering up the bins, suitable for poultry, the flock numbering up
to 100 ought to pay a good dividend amounting to at 100 eggs per hen anually, up The average hen comes considerably short of this produce much more than fifty eggs per year. With proper selection and breeding methods, it is easily within the range of possibility to reach 100 eggs pe the majority of farm flocks fall down. In too many begin to lay in the spring e winter in idleness and only arrives. Almost any kind of a hen will lay from March to September and for that reason prices are the lowest. The profit on the year's work is most easily made in the will produce eggs and thus show a balance on the profit Just to show what can be done in the way of winter n egg-laying contest held in the City of Ottawa, unde the auspices of the local poultry association. The
results were analized by F. C. Elford, Dominion Poultry results were analized by $F$.
Husbandman, as follows
"There was an average of 299 laying hens in the Contest, and for the fifteen weeks they produced a tota
of 20,050 eggs, or an average of 67 eggs each. "The value of these eggs at an average of 60 cents "The cost of feeding would be about five or six cents per hen a week, but suppose that since the hens week, or. a cent a day, then the cost of feeding each hen for the fifteen weeks would be $\$ 1.05$, which would leave $\$ 2.30$ clear over cost of feed for each hen, or for
the 299 hens the margin over cost of feed for the time the 299 hens the margin over co
of the contest would be $\$ 687.70$.
"Look at it another way. Each egg is worth five 1.4 eggs each week would pay for the feed and what ever number of eggs a hen lays over 1.4 would be clear
over cost of feed. Each hen, then, in fifteen weeks had over cost of feed. Each hen, then, in fifteen weeks had
to lay 21 eggs to pay for her feed, but she laid 67 , so he 46 she produced after her board was paid were As another example of winter egg production, we
might draw attention to results obtained at the Ontario Agricultural College, where early-hatched pullets were brought out and forced on for winter egg production.
Five hundred and forty pullets were included in this Five hundred and forty pullets were included in this
trial and altogether they laid 8,441 eggs in November; trial and altogether they land 8,441 eggs in November; 8,378 eggs in December; and
or a total of 23,216 eggs, which is nearly 43 eggs per
bird during what is generally considered to be the worst producing months of the year. These eggs would represent at least, at cash value, over $\$ 2$ per hen. There
are commercial poultry farms doing as well as this or
is ter, but under farm conditions not enough attention is paid to the early hatching of chickens and the culling
out of poor layers so as to obtain eggs during the "off" out of poor layers
months of the year

Any amount of feed and attention will not guarantee One must select the flock all types and descriptions. opportune to refer to work done along this line in Prince Edward Island. The Island is well organized into local poultry associations, which have a large central in Charlottetown. Inspectors go out each year culling farmers ${ }^{\text {² }}$ so the latter canating the producers and non-producers average production of the approved pure-bred flock last year was 78 eggs per hen, giving to the owner a return of $\$ 2.60$ from eggs only. The production of
the best flocks on the Island, whose owners were members of the Co-operative Association, was 150 eggs per hen, giving the owners a return of $\$ 5$ per hen. The average 62 eggs per years analysis of these figures will show what can be accomplished by proper selection and breeding mind late in October or early November and whip the flock into shape for winter. The pullets must be vary around eight to must be segregated when the birds must have development and be sufficiently mature to tay in the
fall. All flocks do not consist of pullets fall. All flocks do not consist of pullets only. Usually a number of yearling hens are kept over, and a very
rigorous selection should thin out the slackers during this to judge the lo. Poultry experts are now in a posion first year's work, and several dens at the end of their staged in Ontario this summer to show poultrymen how to cull their flocks. Plan to attend one of these demonstrations, if such be held in your neighborhood and up a flock that will up a flock that will give returns for the feed and care
expended on them.

## FARM BULLETIN.

## The Winnipeg Riot

As Witnessed From the Confederation Life Build ing, 7th Floor.

At 2.30 p.m. Saturday the sidewalks were crowded with people who were moving slowly. A street car
hove in sight going north on Main Street and a small body moved into the street. The motorman ran the car slowly through the crowd and someone jerked the trolley pole off the wire, the car, however, had sufficient momentum to carry it pretty clear of the denser the pole on the wire and the car moved off: in about five minutes a car southbound showed up, by this time the street in front of the City Hall was packed solid. The motorman stopped just at the edge of the crowd and let off the passengers, then moved forward into the centre of the crowd where he stopped, owing and was then ordered by the crowd to get down, which and was then ordered by the crowd to get down, which
he did. The crowd did not molest him in any way, and he was shortly lost in the mob. A young chap
then poked a stick through one of the windows, and the very sound of breaking glass started a loud cheer Immediately a tremendous shower of sticks and stones were hurled at the car, and very quickly every particle
of glass was broken. A young man, who looked very similar to the one who broke the first pane of glass started pounding the side of the car with a stick, and then began to wave his arms in the direction of the car, car over, but in this they failed, the car would swing over at an angle of $45^{\circ}$ and here the outer base of the still on the tracks, and immediately the pressure was released the car would right itself. The crowd then tried the other side with no better success. Someone then set fire

A great rush now started for the sidewalks and came slowly up the pavement in line from curb to curb. The crowd pressed in on both sides shouting, waving hats, arms and coats, trying to frighten the horses and a few of them became very excited. After going a block past the crowd, the squadron wheeled and came slowly back again, the crowd pressed closer and much the saticks were thrown After getting clear of the crowd the mounted police wheeled, lined up and waited for about five minutes, then drew their batons which up to this time had been fastened to the pommels of their saddles. At a word of command, they moved orward at the trot, and were immediately met with a usilade of the by the owing to the roar of the mob and the shower of missels which was like thistledown blowing over a field. However, the company kept fairly good order and got through, but had to use their batons pretty freely on people who jumped a bridles and men ond they formed in line and started back again ont only and were greeted with much the same treatment only a
little worse this time. When they got through ther
now heon Burt by clubs and misles, and as they droppe
in the streets they were carried to the sidewalks. The Mayor then read the Riot Act from a saf
distance, and the first that was known of it by th distance, and the first that was known of it by th
crowd was a wean cheer by those standing near him.
The perfect line moved forward to the City Hall, and ther fired a warning vorley into the aire A couple of hundred people, at the first crack of a pistol, dropped flat in the
roads, thinking they were being shot at, and then
orom
 After waiting a few minutes to allow the people to
leave who wished to do so, and to give time for the
Rive Act Riot Act to be announced so that everyone might
know about it, the mounted police moved forward to
dear the to traets of the crowd lear the streets of the crowd. They were again met
by a shower of missles and the command was given to by a shower of missles and the command was given to
charge, which they did on the dead gallop right through charge, which they did on the dead gallop right through
the crowd, the men with a revolver in one hand and baton in the other. In In a tevolver in one hand and
barge they used only batons. After going a few blocks past the usod, they
whieeled and waited to pive them time to reme hurt and give the rioters time to dimerse. Back they came again, galleping, and this timpersere were more
stones and sticks, and also cracked heads. The mob ind put up a mighty cood fige of the street they stood saddles wefe empmty good fight. This time a few more mounted police, after gising through," ${ }^{\circ}$ wheeled and while getting reorganized and tying up cuts, were reinforced by about the same number of Fort Garry Horse,
who promptly charged at the gallop. These men
were not held in much awe, and received a frightfully cot reception. They cleared the mob, wheeled. and
Come back again, and then drew up behind the R.N. W. M. P.
charge.

The volunteer police now showed up about two blocks from the disturbance. They came down the street in of them, all armed with revolvers and batons. They wore a lare nickel shield and a band arouns the arm in a very orderly line and looked pretty much like
in like
businest business. They were received by hoots and a few by other members of the force which were now mingling street under arrest. The firemen now arrived and put out the fre in the street car, which by this time had
begun to get away to a merry blaze. Ambulances begun to get away to a merry blaze. Ambulances
were not interferred with by apy one, and were certainly woingot land-office business. Individual fights were
doing a going on in every direction between civilil police and the mob, and a great many arrests were being made. The completed the side streets, which by this time had become filled. The strets, whiteer militia, all in khaki uniform now, arrived in motors with carbines and
bayonets fixed, followed by motor lorries with machine bayonets fixed, Iollowed by motor lorries with
Pickets were quickly placed, and the riot was over,
but great crowds of people stood around still, more to
see what was going on
whatever in any of them.
There are about 1,500 special police in the city mostly returned men, and bad customers to deal with if you didnt move on when told, and there is a volunteer
militia of 5,000 consisting of all classes from labor men 0 bank presidents.
The rioters were
The rioters were game fighters; there is no doubt about that when they would stand up to charging It it in very hard to toll lust what the casuarty list
will be, but the R. N. W. M. P. took a terrible will be, but the R. N. W. M. P. took a terrible beating
before resorting to their guns, and used their clubs on before resorting to their guns, and used their clubs on
every occasion where possile. We saw one mounted man shoot one of the rioters. (whe was trying to club
another mounted man who had been knocked out and another mounted man who had been knocked out and was leaning over the saddle) to death; this man got the
bullet in the chest and was dead before he hit the pave ment. We also saw another man shot that was just in the act of throwing a big stone at a mounted man whose back was turned; this $m$ The civil police are des
as they arrived in time to help disperse the crowd and save e areat many people from getting kiilled. If the
cavalry had charged a gain they would have o shoot their way through or call the the company to do it for them. We can tell absolutely nothing about what the outcome will be; time alone can tell The riot, fro

## Soldiers' Land Settlement Schemes Adopted with Amendments.

##  have taken place, the most important being bitose centered about the soldiers Thand sett lement scheme.

 which is unique among all of the Allied Nat onons, was
passed with less opposition than was at one time anti-
 Interior, who had charge of the bill, but these were in no sense raicial In fact, the scheme seems to have been $a$ great deal more of a suceess thus tar than was
anticipeted even by the Government and the returned soldiers evidently approve very, stronly of it. In
speaking of the work done so far, the NXinister spoke speaking of the work done so far, the Minister spoke
as foflow in Commitee: The treat primary object
ond
 soldier. II that were its basic principle and its
purpose,
it
would dinevitably follow that the same
 be extended to all. She primary and great principipe
of this Bill is to secure settlers on the lands of this country to secure settle ment of our idile lands, and to
makee settlers of those who pave proven themselves make setters of those who have proven themsel les
the beckbone and stay of the nation nitist trouble. We believe that we canot beter fortify this country
against the waves of unrest and didicontent that now
 assail us, as all the rest of the world, than by making
the greatest possible proportion of the soldiers of our

 but the class of ef eitizn that counts the most in the
determination of the stability of a country against such
 the basic class- the agricultural class. That class
is. the mainstay of the nation. 5 So the purpose of this
and
 basic industrial structure of the best blood and bones of pur nation.

 plications for qualification certificat

 were approved, 6,176 were in
whas
 whoo onate hedraine fio suceed. Class Bi includes men
other occunationerien oin $n$ armin bout have worked at



 the Soldiers' Setl emenent Act, ano treater acreage than
320 a ares, with the provision that the land should be sold a the the prie te which it had been acquiriced thand that







February last such land as was acquired by the board must be resold to the soldier and the unpaid balance annual instalments including interest and amortisation, the interest being at the rate of 5 per cent. The $\$ 1,000$ on the same terms but the stock and equipment loan as it was made on perishable articles, was to be repayable in four instalments, commencing in the third year and
the settler was to be relieved entirely of any obligation the settler was to be relieved entire
in respect to it for the first two years.
mone of the amendments passed raised to $\$ 3,500$ the Such a man can now borrow from the Board $\$ 3,500$ to
clear his land and $\$ 2,000$ for stock and implements provided the total loan does not exceed $\$ 5,000$. The soldier settler
who does not already own his land can borrow $\$ 7,500$ It is worth in special cases. 88 . made to get equipment at less than ordinary prices
for the settlers. Speaking of this Mr. Meighen said: with have managed to succed in effecting arrangements with the producers of all the goods that the soldier will
require and pay for, out of his own money which redound to the very great advantage of the soldier settlers. In
the first place, we have affected airrangements the first place, we have affected a arrangements with all,
or at least all the principal manufacturers of agricultural implements, whereby the manufacturers of implements use their organization for the delivery of the implements
the soldier may choose, and they get those implements to the soldier at the wholesale factory price, and the
wholesale cash price at that, without any further charge whatever. In addition to that, the
manufactuerrs pay the cost of distribution. They manufactuerrs pay the cost of distribution. They
pay the agent's commission for handling the im-
plements. The soldier pays nothing at all the ordinary bulk freight, rate on his implements,
and the wholesale cash price., The same or better arrangements apply to harness,
hardware and lumber, while experts assist the soldiers in
the purchase of live stock so asto secure them at reason United Grices. Now that Mr. Crerar has retired from the Cabinet,
some members of the House seem to delight in criticizing
the grain growers of the wester the grain growers of the Western provinces, and par-
ticularly the United Grain Growers, Limited, of which
Mr Mr. Crerar is president. This week it was H. H
Stevens, Vancouver, an aspirant for a cabinet position
The occasion was a discussion on the Canada Grain Act which was up for amendment. The principal amend
ments asked for were the establishment of a hoar of appeal in Western Canada in substitution for the survey board which now hears appeals from the grain
inspectors, and a limitation of "overages" in connection
with terminal elevators the preedsfrom the to go to the Board of Grain Commissioners for the Canada Grain Act. It was in this latere connection growers and from his renarks we quote briefly as follows:
"By allowing one-half of one per cent., the quantity mentioned in the Bill, you are allowing elevators, such average of several years, an overage of $\$ 1,000,000$ a year,
the Eastern elevator, $\$ 110,000$ a year, the Empire elevator, $\$ 160,000$ a year, the Fort Weal the Empire
$\$ 110,000$ a year; the Grain Growerst a year, the Western elevator, $\$ 125,000$ a year. The
Grater
Grain 'Growers' elevator at the head of the Lakes had Grain Growers' elevator at the head of the Lakes had
in five years 357,000 bushels of overages. Now what was the shortage for the same period? 3,800 bushels
of shortage, or approximately, a shortage in its re-
lation to the overages of just one per cent.
 get their grain in No. 1 wheat, $\$ 8,000$. What did they They got out of screenings in one year $\$ 15,000$; the
the next $\$ 30,000$; the next $\$ 47,000$; then $\$ 80,000$, then $\$ 51,000$. That is in screenings in addition to overages. elevator were, in thousands: $\$ 72,000, \$ 33,000, \$ 54,000$, $\$ 94,000$ and $\$ 132,000$. Those figures, added to the J. A. Maharg, speaking later with reference to
overages spoke well for the grain growers when he said: "We would have given almost anything to have had
the hon. gentleman use exactly the same argument twelve or thirteen years axo that he has used on the
floor of this House to-day. We tried our best then to get redress but it was not forthcoming. It is exactly
what we farmers have maintained for years in the old Parliament Building and in the city of Winnipeg. Hon. gentlemen may smile, but I would ask
them to look up the records of the Canada Grain Commission to see what we have been asking for; I think thise is nothing new, only that it was in a more intensified
form twelve or fifteen years ago. The company with form twelve or fifteen years ago. The company with
which the hon. member for Marquette is associated has asked for these reductions to be made. That
company belongs, like the other organizations, to the Canadian Council of Agriculture, which is the organ
they speak through. We have asked the Grain Commission to make a change in these charges. We asked
for the Yor the confiscation of the overages years and years ago.
We knew what was being done; it is not a new thing.
Iust so long as the present regut Just so long as the present regulations exist my hon
friend will be able to make the same argument with regard to all the other companies that he has made in
regard to this particular complat Mr. Crerar also replied and with regard to the United
Grain Growers, Limited, said: "I have stated that our concern has 35,000 shareholders, 90 per cent. of the
business handled by the concern being for its own shareholders. The total value of our turn-over in
dollars and cents last year was $\$ 102,000,000$, and the profit on that was $\$ 441,000$. I leave it to the judgment
of the committee if that is an exorbitant profit, if that demands the attention the hon. member for Vancouver
Centre (Mr. Stevens) gave it the other day. The share holders of the Farmers' Companies do not look on the
profits they make as profits at all. They are savings they have made in operation by the fact that the shareholder are banded together in a company to do their own busi-
ness, and the profits consequently are not made from the public in the sense ordinarily understood. Therefore,
to give the impression, as I am afraid the House was the otror aterningoon given the impression that this was a
proferen, in the front rank of profiteers in Canada, is decided, in unfair to the grain growers of
Western Canada." The Technical Education Bill, the Divorce Bill and
the Highways resolution have each been up for discussion the Highways resolution have each been up for discussion.
Most Westen members strongly oppose the latter,
Roman Catholic Roman Catholic members naturally oppose the Divorce
Bill and the Opposition criticized the first named on the score that it would interfere with provincial rights.
In the meantime a permanent Union party has been formed with Sir Robert Borden as leader, the cost of
living committee has unearthed some rather astounding commercial tribunal to prevent combinations for the
comber commercial tribunal to prevent combinations for the
restraint of trade. The hot weather has made members
anious to get away and it is expected that the session
will conclude within a few days of the time this reaches

Toronto (Un Montreal (P Winnipeg. Calgary....
Edmonton.

## Montreal Montreal <br> Montreal Winnipeg <br> Calgary... Edmontor

Mark sustained o
ket, but w ket,
when sales
than at any three weeks
day with a mand preva
butcher catt to forty-seve
to meet the the week. A
offered, and ninety-five
via New Y purchased at
to $\$ 15$, one
while a few steers weigh
twelve hund range of $\$ 13$
on the later of loads so hundred; these
finished in th below the pr below the pre
steers and h
few extra ch nine hundre
per hundred at $\$ 14$; the
was $\$ 13.50$ sales were
butchers sold bulls were i choice cows with an acti
from $\$ 10$ to quality stock
bulls sold fro and Bologna
limited dema
and feeders, made to cou $\$ 13$, and go
$\$ 11.50$ per quotation;
from $\$ 17$ to
$\$ 14$ to $\$ 16$. were shipped
the week.
The lamb trifle lower in
$\$ 19.50$ to $\$ 21$ moved freely
Hog quot levels, the r watered hogs.
per hundred.
the open mar he decline o f the dis
week end the week end lambs.
calves, 114
543 543 lambs. 9
ice in the city ers it deal live
eri is volunter ere is a volunteer
from labor men ere is no doubt
up to charging up to charging
they charged. he casualty list
terrible beating d their clubs on s trying to club
nocked out and nocked out and
his man got the he hit the pave-
$t$ that was just a mounted man pavement hard, at deal of praise, killed. If the
ave been obliged the machine gun be: time alone
ments.
17, we find that
ad lost in value What did they
ages altogether? ages altogether?
ar $\$ 15,000 ;$ the in $\$ 80,000$, then
ion to overages. for the same
$33,000, \$ 54,000$ $33,000, \$ 54,000$
added to the
etained by the - farmers. s when he said: to have had
ame argument ur best then to he city of Win-
ut I would ask ng for; I think $m$ reports.
more intensified more intensified
company with e is associated
made. That
men zations, to the
$h$ is the organ ses. We aske $t$ a new thing.
exist my hon. argument with
ie has made in

Toronto, Montreal, Buffalo, and Other Leading Markets

Week Ending June 26.





| CALVES |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Receipts C |  | Top Price Good Calves |  |  |
| Week | Same | Week | Week | Same | Week |
| Ending | Week | Ending | Ending | Week | Ending |
| June 26 | 1918 | June 19 | June 26 | 1918 | June 19 |
| 1,754 | .1,451.. | . 1,681 | \$19.50 | \$17.00 | \$19.50 |
| 1,638 | 2,388 | 2,475. | 14.00 | 15.00 | 13.00 |
| 807. | 1,241. | 2,204 | 14.00 | 15.00 | 13.00 |
| 146. | 256 | 65 | 16.00 | 16.00 | 16.00 |
| 140. | 31 | 39 | 12.50 | 14.00 | 13.00 |


| Week Ending June 26 | Receipts |  | Top Price Selects |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Same | Week | Week |  | Week |
|  | Week | Ending | Ending | Week | Ending |
|  | 1918 | June 19 | June 26 |  | ${ }^{\text {June }}$ |
| 2,510. | 987 | 2,296 | -22 | 119 | 22 |
| 1,115. | 927 | 1,103 | 22.25 | 19.2 |  |
| 3,943 | 6,286 | 4,341 | 21.50 | 18.50 | 21. |
| 1,623 | 2,990 | 1,276 | 21.75 | 17.35 | 20.5 |
| 563 | 658 | 552 | 21.25 | 17.00 | 19. |


| SHEEP |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Week | Receipts | Week | Top | ice Good | mbs |
|  |  |  |  |  |  |
| Ending | Week | Ending <br> Ending | Ending | Week | Ending |
| 1,115 | 1,236 | 830 | \$22.00 | \$20.00 | \$16.00 |
| 450 | 746 | 616 | 20.00 | 22.00 | 20.00 |
| 318. | 605 | 859 | 20.00 | 22.00 | 20.00 |
| 204 | 137 | 153. | 15.00 | 18.00 | 21.25 |
| 547 | 552 | 278. | 15.00 |  | 15.00 |
|  | 50 |  |  |  |  |

Toronto (Union Stock Yards)
Montreal (Pt. St. Charles)
Montreal (Pt. St. Charles)
Montreal (East End)
Winnipeg.
Calgary....
Edmonton
Market Comm
$\qquad$ A decline of 50 cents per hundred was
sustained on cattle on the Monday set, but was regained later in the weel
khen sales were made at higher when sales were made at higher levels
than at any time during the previous three weeks; the market closed on Thursday with a strong undertone, keen de-
mand prevailing for all classes of good mand prevailing for all classes of good
butcher cattle. Receipts, which amounted butcher catule. Recerits, hed, were sufficient to meet the requirements of the trade for
the week. A number of heavy cattle were the week. A number of heavy cattle were
offered, and of these one hundred and ninety-five head were shipped to France
via New York on Thursday; they were purchased at prices ranging from $\$ 13.75$ to $\$ 15$, one load commanding $\$ 14.75$, steers weighing from ten hundred t
twelve hundred pounds moved within tivelve hundred pounds moved within
range of $\$ 13$ to $\$ 13.75$ per hundred, but on the laters sold at $\$ 14$ and $\$ 14.25$ pe hundred, and a few select head at $\$ 15$ per hundred; these prices apply only to cattle below the preceding quotations. Butcher steers and heifers were in goorsionand, nine hundred pounds, realized $\$ 11.50$ at \$14; the top price for a straight load was $\$ 13.50$ per hundred, while othe
sales were down to $\$ 12.50$. Medium hutchers sold from $\$ 11$ to $\$ 12$, and com-
mon quality from $\$ 9$ to $\$ 11$. Cows and bulls were in good demand; a few extra
choice cows sold from $\$ 11$ to $\$ 11.50$ pe hundred, good, useful butcher cows met with an active inquiry at prices ranging
from $\$ 10$ to $\$ 10.75$ per hundred, medium quality stock from $\$ 8$ to $\$ 9$, while goo and Bologna bulls from $\$ 8$ to $\$ 9$. A and feeders, and few shipments wer made to country points. Good feeder
were in demand within a range of $\$ 12$ to $\$ 13$, and good stockers from $\$ 11.50$ to $\$ 11.50$ per hundred. The cals the top from $\$ 17$ to $\$ 19$, and good calves from
$\$ 14$ to $\$ 16.50$. Several hundred calves the week. lamb and sheep market was about steady, although spring lambs were
trifle lower in price, selling mostly from $\$ 19.50$ to $\$ 21$ per hundred. Heavy sheep moved freely from $\$ 9$ to $\$ 11$ per hundred. levels, the marker closing with fed and per hundred. On Monday all hogs on the open market sold at $\$ 23$ per hundred,
the decline of 75 cents occurring on the Thursday market.
Of the disposition from the Yards for the week ending June 19, Canadian pack-
ing houses purchased 831 calves, 3,200
ang butcher cattle, 10,616 hogs and 49, calves, 114 butcher cattle, 139 hogs and
543 lambs. Canadian shipments were 543 lambs. Canadian shipments were
made up of 9 calves, 47 milch cows, 329
stockers, 101 feeders, 231 hogs and 40 mackers, 101 feeders, 231 hogs and 40
stheep. Shipments to United States poin

| Classification STEERS <br> heavy finished |  | TORONTO (Union Stock Yards) Avge. Price Rang |  |  | $\begin{gathered} \text { Top } \\ \text { Price } \\ \text { \$ric. } \end{gathered}$ | No | $\begin{gathered} \text { MONTREAL } \\ \begin{array}{c} \text { Mote. St. Charles } \\ \text { Price } \\ \text { Price } \\ \text { Pulk Ralge } \\ \text { Bulk Sales } \end{array} \end{gathered}$ |  | $\underset{\text { Top }}{\text { Price }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { STEERS } \\ & 1,000-1,200 \end{aligned}$ | $\begin{gathered} \text { good } \\ \text { comimon } \end{gathered}$ | $\begin{aligned} & 651 . \\ & 109 \end{aligned}$ | $\begin{aligned} & 13.42 \\ & . \\ & 11.72 \end{aligned}$ | $12.75-13.75$ 10.75-12.50 | $\begin{aligned} & 14.25 \\ & 12.50 \end{aligned}$ | 56 | 13.00 | 12.00-13.5 | 13.50 |
| $\begin{aligned} & \mathrm{S}_{7 \text { TEERS }} \\ & 700-1,00 \end{aligned}$ | $\begin{gathered} \text { good } \\ \text { commin } \end{gathered}$ | $\begin{aligned} & 766 \\ & \\ & 257 \end{aligned}$ | $\begin{aligned} & 12.75 \\ & 10.71 \end{aligned}$ | $\begin{aligned} & 12.00-13.25 \\ & 10.00-11.50 \end{aligned}$ | $\begin{aligned} & 13.75 \\ & 12.00 \end{aligned}$ | $\begin{aligned} & 63 \\ & 11 \end{aligned}$ | $\begin{aligned} & 12.50 \\ & 11.00 \end{aligned}$ | $\begin{aligned} & 11.50-13.50 \\ & .10 .50-11.50 \end{aligned}$ | $\begin{array}{r} 13.50 \\ \hdashline \\ 11.50 \end{array}$ |
| Heifers | $\begin{gathered} \text { good } \\ \text { fiar } \\ \text { common } \end{gathered}$ | $\begin{aligned} & 707 . \\ & 248 \\ & 44 \end{aligned}$ | $\begin{array}{r} 12.75 \\ 10.67 \\ 10.07 \\ 9 . \end{array}$ | $\begin{aligned} & 12.00-13.25 \\ & 10.00-11.50 \\ & 10.50-9.50 \\ & 8.50 \end{aligned}$ | $\begin{array}{r} 13.50 \\ \begin{array}{c} 13.50 \\ \text { 11.50 } \\ \hline \end{array} \mathbf{9 . 5 0} \end{array}$ | $\begin{aligned} & 25 . \\ & 7 . \\ & 78 . \end{aligned}$ | $\begin{aligned} & 12.00 \\ & 10.50 \\ & \text { 10.50 } \\ & 8.50 \end{aligned}$ | $\begin{array}{r} 11.00-13.00 . \\ 10.00-11.00 \\ 7.00-50 . \end{array}$ | $\begin{array}{r} 13.00 \\ .11 .00 \\ \hdashline \\ \hline 9.50 \end{array}$ |
| Cows | $\begin{gathered} \text { good. } \\ \text { common. } \end{gathered}$ | $\begin{aligned} & 457 . \\ & 763 \end{aligned}$ | $\underset{8.62}{10.21}$ | $\begin{aligned} & 9.75-10.75 \\ & 7.75-9.75 \end{aligned}$ | $\begin{gathered} 11.00 \\ 9.50 \end{gathered}$ | $\frac{42 . .}{}$ | $\begin{aligned} & 11.00 \\ & 8.25 . \end{aligned}$ | $\begin{aligned} & 10.00-11.50 \\ & 7.50- \\ & 9.00 \end{aligned}$ | $\begin{array}{r} 12.00 \\ 9.50 \end{array}$ |
| Bulus | $\begin{gathered} \text { good } \\ \text { common } \end{gathered}$ | $\begin{aligned} & 81 . \\ & 91 \end{aligned}$ | $\begin{array}{r} 10.25 \\ 9.06 \end{array}$ | $\begin{array}{r} 9.75-10.50 \\ 8.00-\quad 9.50 \end{array}$ | $\begin{aligned} & 11.00 \\ & 10.00 \\ & 1 \end{aligned}$ | $\begin{aligned} & 10 \\ & 25 \end{aligned}$ | $\begin{gathered} 11.00 \\ 8.75 . \end{gathered}$ | $\begin{array}{r} 10.50-11.50 \\ 8.00-10.00 \end{array}$ | $\begin{array}{r} 11.50 \\ +10.00 \end{array}$ |
| $\begin{aligned} & \text { Canners \& } \\ & \text { Oxen } \end{aligned}$ | Cutters | 62 | 5.50 | $5.00-6.00$ | 6.00 | 28 | 6.00 | 5.50-7.00 | 7.00 |
| Calves | $\begin{aligned} & \text { veal. } \\ & \text { grass } \end{aligned}$ | 1,754 | 15.07 | 14.00-18.00. | 19.50 | $\begin{gathered} 1,667 . \\ 3 \\ 3 . . \end{gathered}$ | $\begin{gathered} 12.50 \\ 6.50 . . \end{gathered}$ | $\begin{aligned} & 8.00-13.50 \\ & 5.50-7.00 . \end{aligned}$ | $\begin{array}{r} 14.00 \\ 7.00 \end{array}$ |
| $\begin{array}{\|l\|l\|} \substack{\text { STOCKERS } \\ 450-800} \end{array}$ | $\underset{\text { grood }}{\text { grir }}$ | $\begin{aligned} & 57 \\ & 47 \end{aligned}$ | $\begin{aligned} & 11.36 \\ & 10.02 \end{aligned}$ | $\begin{array}{r} 11.00-12.00 \\ 9.00-11.00 \\ 9.00 \end{array}$ | $\begin{aligned} & 12.00 \\ & 11.50 \end{aligned}$ |  |  |  |  |
| $\left\lvert\, \begin{aligned} & \text { Fbeders } \\ & 800-1,100 \end{aligned}\right.$ | $\underset{\substack{\text { good } \\ \text { gir }}}{ }$ | $\begin{aligned} & 90 \\ & 39 \end{aligned}$ | $\begin{aligned} & 12.55 \\ & 11.75 \end{aligned}$ | $\begin{aligned} & 12.25-13.00 \\ & 11.50-12.50 \end{aligned}$ | $\begin{aligned} & 13.00 \\ & 12.50 \end{aligned}$ |  |  |  |  |
| Hogs <br> (fed and watered | $\begin{gathered} \text { selects } \\ \text { heavies } \\ \text { lights } \\ \text { soos } \\ \text { stag. } \end{gathered}$ | $\begin{gathered} 9,046 \\ 26 \\ 376 \\ 383 \\ 12 \end{gathered}$ | $\begin{aligned} & 22.93, \\ & \begin{array}{l} 21.22 \\ 20.03 \\ 17.93 \end{array} \\ & \hline 1 \end{aligned}$ | 22.25-23.50 20.25-21.50 17.25-18.50 | $\begin{array}{r} 23.50 \\ \begin{array}{l} 23.50 \\ 23 \\ 21.50 \\ 21.50 \\ 21.50 \\ 18.50 \end{array} \end{array}$ | $\begin{array}{r} 1,753 \\ 174 \\ 80 . \\ 415 \\ 28 . \end{array}$ | $\begin{aligned} & 22.25 \\ & \begin{array}{l} 20.75 \\ 20.25 \\ 20.25 \\ 17.25 \\ 15.25 \end{array} \end{aligned}$ |  | $\begin{aligned} & 22.25 \\ & { }_{21} 25 \\ & 20.25 \\ & 20.25 \\ & 1725 \\ & 15.25 \end{aligned}$ |
| Lambs | $\begin{aligned} & \text { good } \\ & \text { common } \end{aligned}$ | $\begin{aligned} & 425 \\ & { }_{12} \end{aligned}$ | $\begin{aligned} & 20.64 \\ & 10.64 \end{aligned}$ | $\begin{aligned} & 19.50-22.00 \\ & 17.00-20.00 \end{aligned}$ | $\begin{array}{r} 22.00 \\ 20.00 \end{array}$ | $\begin{aligned} & 160 \\ & 70 \end{aligned}$ | $\begin{aligned} & 20.00 \\ & 19.00 \end{aligned}$ | $\begin{aligned} & 20.00- \\ & 18.00-20.00 . \end{aligned}$ | $\begin{aligned} & 20.00 \\ & 20.00 \end{aligned}$ |
| Shekp | $\begin{gathered} \text { neayy } \\ \text { light } \\ \text { lommon } \end{gathered}$ | $\begin{gathered} 250 \\ 259 \\ { }_{2} 59 \end{gathered}$ | $\begin{aligned} & 8.76 \\ & 9.84 \\ & 6.00 \end{aligned}$ | $\begin{aligned} & 8.00-9.50 \\ & 9.00-11.00 \\ & 9.00- \\ & 5.00 . \end{aligned}$ | $\begin{array}{r} 9.50 \\ . \quad 11.00 \\ \hdashline \\ \hline 7.50 \end{array}$ | $\begin{gathered} 67 \\ 153 \end{gathered}$ | $\begin{aligned} & 10.00 \\ & 9.00 \end{aligned}$ | $\begin{aligned} & 10.00- \\ & 9.00- \end{aligned}$ | 12.00 9.00 |

consisted of 673 calves and 18 butcher The total receipts from January 1 to

Tune 19, inclusive, were 139852 cattle | June 19 , inclusive, were 139,852 catte, |
| :--- |
| 32,596 calves, 172,481 hogs and 31,016 | sheep; compared with 120,399 cattle,

33,032 calves, 181,388 hogs and 15,423 sheep, received
period of 1918 .

Montreal.
There was only a small number and of these the greater part consisted of thin heifers and cows. On Tuesday there were only three cars of stock the
ceived, but on the following day the receipts amounted to about thirty cars,
containing two hundred and five cattle, containing two hundred and five cattle,
forty-two head not for sale, seventy-one heep, eight hundred and twenty-lous Prices of cattle, quality considered, were about 25 cents higher than during the
previous week; the quality was much previous week; the quatity was muen ing from ten hundred to eleven hundred pounds were sold from $\$ 13$ to $\$ 13.50$, ten hundred and ninety pounds and in very fair flesh were weighed up at $\$ 12$. The best steprs were recelved on Wednes-
lay, and were not sold before the close
on Thursday. A few good heifers changed hands at $\$ 13$ per hundred, common
heifers around 99 while the best cows heifers around $\$ 9$, $\$$ while the best cows
were worth from $\$ 11$ to $\$ 11.50$. Lean, grass-fed cows sold at $\$ 8$, cutters at from $\$ 6$ to $\$ 7$, and top bulls from $\$ 11$ to $\$ 11.50$. Fair buils sold ?rom $\$ 9$ to $\$$ a, fommon
bulls from $\$ 8$ to $\$ 8.50$, and a few very common at $\$ 7$. The receipts of calves continued quite handy, but prices paid for good stock were higher than during
the previous week. A number of loads were shipped to New York at prices ranging from $\$ 13$ to $\$ 13.50$ on the
Montt eal market. Thin, skim-milk or Monti eal market. Thin, skim-milk or
whey calves sold from $\$ 7$ to $\$ 9$. Sheep were a little easier in price,
selling in most cases at $\$ 10$ for the best, and $\$ 9$ for the common. Good spring
lambs of fair weights sold up to $\$ 20$ per hundred.
There were on the two markets during the week nearly thirty-six hundred hogs.
About fifteen per cent, of the offerings About hifteen pows. Prices remained steady throughout the week at $\$ 22.50$, off cars, for select hogs, $\$ 2$ of for lights, from $\$ 1$ $\$ 5$ off for sows. A number of the sows were young and well-finished, and in
some cases passed as heavies or selects.
PT. ST CHARLES Pr. St. Charles.-Of the disposition
from the Yards for the week ending June

19, Canadian packing houses and loca butchers purchased 1,623 calves, 8 canners and cutters, 30 bulls, 240 butcher
cattle, 1,911 hogs and 546 lambs. Cana dian shipments were made up of 45 milch Cows and 10 hogs. Shipments to Unite
States points consisted of 852 calves. The total receipts from January 1 to June 19, inclusive, were 14,500 cat ${ }^{\dagger}$ Je,
38,117 calves, 32,993 hogs and 7,503
sheep. sheep; compared with 15,650 cattle
36,682
calves, 29,382 hogs and 6,386 sheep, received during the corresponding EAsT End,-Of the disposition fron the Yards for the week ending June 19 Canadian packing houses and local butchers purchased 1,308 calves, 385
butcher cattle, 665 hogs and 831 lambs Canadian shipments were made up of 192 calves, 24 butcher cattle, 438 hogs and 28 lambs. Shipments to United
States points consisted of 704 calves States points consisted of 704 calves ${ }_{1}$ the total receipts from January 1 to
The June 19 , inclusive, were 16,650 cattle 28,05 calves, 18,271 hogs and 8,10
sheep; compared with 13,895 cattle sheepi compared with 13,895 cattlc
30,251 calves, 18,381 hogs and 6,45 sheep, received during the correspondin period of 1918.
As during the previous week cattle
receipts were light, consisting of only
seven hundred and nine head, local
butchers handled most of the cattle, packers being unable to operate very ket was slow and draggy, and prices from
$\$ 1$ to $\$ 2$ off on all grades of cattle. A few heavy-weight steers were offered, and
these were disnosed of at $\$ 14$ ner hundred, these were disposed of at $\$ 14$ per hundred,
while the lighter kind, which were more while the lighter kind, which were more
plentiful, sold from $\$ 12$ to $\$ 13$. Steer under ten hundred pounds weight sold within the range of $\$ 11.50$ to $\$ 12.50$ per
hundred. The best heifers offered were eighed up at 913 per hundred while most of the sales in the class ranged from
$\$ 11$ to $\$ 12.50$. Trading in cows and $\$ 11$ to $\$ 12.50$. Trading in cows and grades, choice cows selling at $\$ 11$, and
those of of good grading realized from $\$ 7.50$ to $\$ 9$. There was a very slow movement in were of fair stock, which averaged around $\$ 8$ per hundrer. Receipts of calves were one hundred and forty; the market, which
opened at $\$ 16$ per hundred, declined to opened at $\$ 16$ per hundred,
$\$ 14$ by the close of the week.

## Buffalo.

Cattle-Cattle prices showed a decline at Burfalo last week-steers running from a thousand pounds up selling at 25 to 50
cents lower, while good butchering heifers and the best fat cows showed equally as heavy a take-off. The worst beef trade in the history of the live-stock business was given as the cause of the decline, it
being stated that it was well nigh impossible to move forequarters east, where the koster demand for these are strong. appears good is hides and fat, both of which are commanding high prices and helping, in a way, to maintain even as high prices as are prevailing on good
cattle. Medium and common grades of butchering cattle sold about steady, bulls brought higher prices-being in good demand for sausage-stockers and feeders and as good as has been raised in the state in many years. Good milkers and springers sold at steady prices, medium
and common kinds going for beef. Best and common kinds going for beef. Best
native steers sold from $\$ 15$ to $\$ 15.25$, best Canadians $\$ 13.50$, best handy steers around $\$ 13.75$ and $\$ 14$. Best stockers
and feeders $\$ 11$ to $\$ 11.50$, bulls up to $\$ 11$ and $\$ 11.50$. Receipts for the week were and 811.50 . Receipts for the week were
4,650 head, around forty cars of which were Canadians. The receipts were against 4,050 for the week before, and as
against 5,700 head for the corresponding week last year. Quotations:
Shipping Steers, Native.-Very choice heavy, \$15 to $\$ 15.25$; best heavy, over $\$ 13.75$ to $\$ 14.25 ;$ best, 1,200 to 1,300 ,
$\$ 15$ to $\$ 15.25$; $\$ 15$ to $\$ 15.25 ;$ good, 1,200 to $1,300, \$ 13$ to $\$ 14 ; 1,100$ to 1,200 lbs., $\$ 12.25$ to
$\$ 14.50 ;$ plain, $\$ 11.50$ to $\$ 12$. $\$ 14.50$; plain, $\$ 11.50$ to $\$ 12$. Shipping Steers, Canadians. - Best
heavy, $\$ 12.75$ to $\$ 13.50$ fair to good, $\$ 12$ to $\$ 12.50$; medium weight, $\$ 12.25$ to $\$ 13$; common and plain, $\$ 11$ to $\$ 11.50$.
Butchering
Steers.-Yearlings, to prime, $\$ 14.75$ to $\$ 15.50$; choice heavy,
$\$ 14.50$ to $\$ 15$; best handy, $\$ 13.25$ to $\$ 14$; fair to good, $\$ 12.50$ to $\$ 13$; light and Cows and Heifers.-Best heavy heifers. $\$ 12$ to $\$ 13$; good butcher heifers, $\$ 12$ to $\$ 11 ;$ light, common, $\$ 8.50$ to $\$ 9$; ver $\$ 1$, light, common, $\$ 8.50$ to $\$ 9$; ver
fancy fat cows, $\$ 11$ to $\$ 11.25$; best heav
fat cows, $\$ 10$ to $\$ 10.75$; good butcherin fat cows, $\$ 10$ to $\$ 10.75$; good butchering
cows, $\$ 9$ to $\$ 10 ;$ medium to fair, $\$ 7.75$ to $\$ 8.50$; cutters, $\$ 7$ to $\$ 7.50$; canners,
$\$ 5.50$ to $\$ 6.50$.
Bulls.-Best heavy, $\$ 10.50$ to $\$ 11$; Bulls.- Best heavy, $\$ 10.50$ to $\$ 11$,
good butchering, $\$ 10$ to $\$ 10.50$; sausage,
$\$ 9$ to $\$ 10$; light bulls, $\$ 8$ to $\$ 8.50$, $\$ 9$ to $\$ 10$; light bulls, $\$ 8$ to $\$ 8.50$. Feeders, $\$ 11$ to $\$ 11.50$; common to fair, $\$ 10$ to
$\$ 10.50 ;$ best stokers, $\$ 10.50$ to $\$ 11$; fair
to good, $\$ 9.25$ to $\$ 975$; common, $\$ 8.75$ to good, $\$ 9.25$ to $\$ 9.75$; common, $\$ 8.75$ Milchers and Springers.-Good to best,
small lots, $\$ 100$ to $\$ 135 ;$ in carloads, $\$ 90$
to $\$ 100$; medium to to $\$ 100$; medium to fair, small lots, $\$ 80$
to $\$ 85$; in carloads, $\$ 70$ to $\$ 75$; common, to $\$ 85$; in ca
$\$ 50$ to $\$ 55$.
Hogs.-A new American record for Demand was strong, and margin here woints. Monday the best grades sold generally at $\$ 22.10$, few $\$ 22.15$; Tues-
day's top was $\$ 22.40$, and Wednesday day's top was $\$ 22.40$, and Wednesday,
which was the high day, bulk went at $\$ 22.50$.
while Friday's top was \$29.10, the maof the week pigs sold up to $\$ 20,75$, and
by Friday they ranged as low as $\$ 19,75$ by Friday they ranged as low as $\$ 19.75$
and $\$ 20$. Roughs sold from $\$ 19.50$ to
$\$ 20$. and $\$ 20$. Roughs sold from $\$ 19.50$ to
$\$ 20$, and stage $\$ 17$ down, Receipts the
past week were 17,300 head, being against
19,04 head for the week before, and
17000 head for 17,000 head for the same week a year ago.
Sheep and Lambs.- Receipts last week
were exceedingly light, there being were exceedingly light, there being only
3,300 head. Offerings were aginst 4,766 3,300 head. Offerings were aginst 4,766
head for the week previous, and 3,200 head for the same week a year ago. result of the light number on sale, prices here were high compared with other
points. Spring lambs sold up to $\$ 19.25$,
but it but it took a good toppy kind to sell
from $\$ 18$ to $\$ 18.50$, and while the fore, part of the week showed yearling lambs
selling up to $\$ 15.25$, the last half of the week best yearling lambs could not be quoted above $\$ 14$ and $\$ 14.50$. Common
light yearling lambs ranged as low as $\$ 8$.
Sheep looked fifty cents lower than the Sheep looked fifty cents lower than the
week before. Wethers could not be
ranged above $\$ 10$, and while desirable ranged above $\$ 10$, and while desirable
ewes brought up to $\$ 9$, the outside quota tions for weighty ewes was $\$ 8.50$.
Calves.-Last week opened with to Cals selling from $\$ 19$ to $\$ 19.50$, and culls
ranged from $\$ 18$ down. The next three ranged from $\$ 18$ down. The next three
days the range in values was unchanged, dollar higher, bulk of the tops was going at $\$ 20.50$. Several decks of Canadian calves were here the past week, and
as a rule they sold around fifty cents as a rule they sold around fifty cents
under the natives. Buyers discriminated against weighty calves, and anything on this order showed a big margin under the handier kinds. Calves on the vealy
order, averaging better than 200 pounds, from $\$ 3$ to $\$ 4$ per cwt. Receipts for the past week were 5,000 head, as against
$\mathbf{5}, 880$
head
for the week 5,880 head for the week before, and as
against 4,050 head for the same week year ago.

## Toronto Produce

Receipts of live stock at the Unio Stock Yards, West Ioronto, on Monday June 30 , numbered 184 cars, 3,224 cattle 881 calves, 1,596 hogs, 633 sheep and lambs. Butcher steers and heifers stead hundred Cows, 50 cents weight 1,100 pound sheep and lambs steady. Hogs, $\$ 23$ to $\$ 23.50$, fed and watered.

Wheat-Ontario (f.o.b. shipping points according to freights)-No. 1 winter, pe
car lot, $\$ 2.14$ to $\$ 2.20$; No. 2 winter, pe car lot, $\$ 2.14$ to $\$ 2.20 ;$ No. 2 winter, pe
car lot $\$ 2.11$ to $\$ 2.19 ;$ No. 3 winter, pe
car lot, $\$ 2.07$ to $\$ 2.13 ;$ No. 1 spring, pe car lot, $\$ 2.09$ to $\$ 2.13 ;$ No. 1 spring, per
car lot $\$ 2.0$ to $\$ 2.17$, No. 2 spring, pe
car lot, $\$ 2.06$ to $\$ 2.14$ No. 3 spring, pe
car lot, $\$ 2.02$ to $\$ 2.10$. Manitoba, 1 northern, $\$ 2.241 / 2$ : No. 2 northern 4 wheat, $\$ 2.11$.
2 C . W., $771 / 2 \mathrm{cc} ; \mathrm{extra}$ No. 1 feed, $751 / 4 \mathrm{C}$
No. 1 feed, $73 / \mathrm{c} . \mathrm{i}$ No. 2 feed, $691 / 22$
Barley, (according to freights outside) Barley, (according to
malting, $\$ 1.19$ to \$1.23.
No. 2, nominal. Buckwheat (according to freight out
side) No. 2, nominal.
Rye (according to freights outside No. 2, nominal,
Flour-Manitoba, Government stand ard,
prompt shipment, Government standard
$\$ 10.50$ to $\$ 10.75$, Montreal, Toronto. real freights, , ags included.)- Bran, per
ton, $\$ 0$ to $\$ 42$ shorts. per ton $\$ 42$ to $\$ 44$. good feed flour bag, : 2.90. $\$ 20$ to $\$ 23$; mixed per ton $\$ 18$ to $\$ 19$. Straw.- ${ }^{\text {Trac }}$
ton, $\$ 10$ to $\$ 11$.

```
Hides and Wool.
```

Prices delivered in Toronto:
City Hides.-City butcher hides, green,
flats, 26c. to 28c.; calf skins, green, flats
65 c.; veal kip, 45 c. h horsehides, city take-
off, $\$ 12$ to $\$ 13$; sheep, $\$ 3$ to $\$ 4$ lamb
skins and shearlings, 75 c . to $\$ 1$.
Country Markets.
Country Markets.- Beef hides, flat,
cure, 28 c . to 32 c . i green, 26 c . to 27 c .
deacon and bob caf,
country take-off, No. 1 to $\$ 11$; horsehides $\$ 13$; No.
$\$ 10$ to $\$ 11$; No. 1 sheep skins, $\$ 2.50$ to Tallow.-City rendered, solids, in bar-
rels, 11c. to 13c.; country solids, in bar rels, 11 c . to 13 c .; country solids, in bar
rels, No. 1, 11c. to 12 c .; cakes, No. 1, 12c.
 quality, fine,
fine, 65 c . to

Country Produce.
Butter kept practically stationary in
price on the wholesales during the past price on the wholesales during the past
week, selling as follows: Creamery freshmade squares at 53 c . to 54 c . per lb .;
creamery solids at 52 c . to 53 c . per 1 lb ., creamery solids at 52 c . to .
choice dairy at 48 c . per lb .
Eggs.-Eggs also sold at unchanged prices, wholesale, case lots selling at 4sc. to 44c. per dozen, selecs.
bringing 46c. to 48c. per dozen.
Cheese. Old chese kept firm at 37 c per lb., wholesale, but new was a trifle easier at 32c. to 33c. per lb
Poultry.-Receipts wer
prices slightly easier. The following being quoted for live weight: Spring
chickens, 40 c . per lb.; ducklings, 38 c chickens, 40 c . per 1 lb .. ducklings, 38c.
per lb. l ducks, old, 15 c . per lb.; hens,
under $41 / 2 \mathrm{lbs}$., 28c. per 1b. hens, over under $41 / 2 \mathrm{lbs} ., 28 \mathrm{c}$. per 1 lb ; hens, over
$41 / 2 \mathrm{lbs} .30 \mathrm{c}$. per 1 lb ; ; roosters, 25 c . per lb.
Wholesale Fruit
Wholesale Fruits and Vegetables. Strawberries were again the feature on
the wholesales during the week coming in in such large quantities that the supply was greater than the deraand causing prices to weaken materially, especially
at the beginning of the week when they sold as low as 10c. per box for poor quality good ones going at 14c. to 18 c . per box.
The rains, however, prevented shipment towards the end of 'the week, and prices 20c. per box. Cherries came in more freely, but wer
only of medium quality, sours, selling only of medium quality, sours selling at
75 c .to $\$ 1$ per $6-\mathrm{qt}$ basket, and $\$ 1.50$
per 11 -qt. basket; sweets at $\$ 1$ to $\$ 1.50$ per 11 -qt. basket; sweets at $\$ 1$ to $\$ 1.50$
per 6 qts. while some blacks brought $\$ 1.75 \mathrm{p}$
11 qts.
Goos. 11 qts.
Gooseberries are beginning to be of better quality, selling at 75 c . to $\$ 1$ per
6 -qt. basket, and $\$ 1.50$ per 11 -qt. basket. first appearance for this season, selling at 22 .. per box. to $\$ 6.50$ per ca
Watermelons came in freely and de
clined, selling at 75 c . to $\$ 1.25$ each. grown, selling at $\$ 2.25$ to $\$ 2.50$ per fourbasket crate; home-grown, hot-house at
32c. to 35 c . per lb. for No. 1's and 25c. t 30c. per 1 b . for No . 2 s .
Beets ame in freely and declined in price, selling st 30 c . to 40 c . per dozen
bunches. Carrots.-New carrots came in but
were too small, selling at $\$ 2$ per case.
Cabbage.- Home-grown splendid quality came in pretty freely,
selling at $\$ 2$ to $\$ 2.25$ per bushel selling at $\$ 2$ to $\$ 2.25$ per bushel hamper,
and $\$ 4.50$ to $\$ 5$ per large crate. Cucumbers have been scarce and sold
readily at slightly higher prices; hot
house bringing 8 . house bringing $\$ 3$ per 11-qt. bakset for
for No. 1's and $\$ 2$ per 11-qt. basket for No. 2 s ; imported, outside-grown selling
at $\$ 3$ to $\$ 3.50$ per hamper. market.
Onions kept stationary, Texas BerOnions kept stationary, Texas Ber-
mudas selling at $\$ 5$ to $\$ 5.50$ per crate;
Californias at $\$ 10$ per 100 lbs. Peas.-The hot weather has over-
ripened the peas, which are mostly wipened the peas, which are mostly
without any sweetness, selling at 75 c .
to $\$ 1$ per 11 -qt. basket. Potatoes.-Old potatoes are almost
unsalable: ensiarie; in new ones gradually becoming
per bbl.; graded No. Nelling at $\$ 7$ to $\$ 7.50$
pat at $\$ 5.50$ to $\$ 6$ per bbl.; graded No. 2's at $\$ 5.50$ to $\$ 6$
per bbl. . ordinary No. 2 's at $\$ 4.50$ to
$\$ 5$ per bbl.

## Chicago

Hogs.-Heavyweight, $\$ 21$ to $\$ 21.50$
mediumweight, $\$ 20.25$ to $\$ 21.55$ :
weight, $\$ 20.75$ to $\$ 21.55$; heavy ; packit-
sows, smooth, $\$ 20.25$ to $\$ 20.80$; packing sows, rough, $\$ 19.25$ to $\$ 20.15$; pigs,
$\$ 17.25$ to $\$ 18.50$. good and choice weighty steers 2.5 to 50 c .
lower; yearlings and medium lower; yearlings and medium grades,
lightweights, 25 to 40 c . higher; good and
choice heifers strong to 25 c . higher;
other choice mostly 25 to 50 c . lower other choice mostly 25 to 50 c . lower;
bulls $\$ 1$ lower; stockers and feeders
steady to strong.

Sheep.-Compared with a week ag yearlinge mostly 25 c . lower; ewes general-
ly steady.

## Montreal.

Dressed Hogs and Provisions.- Dressed
hogs continued in good demand, an hogs continued in good demand, and
prices were fully up to those of a week ago. prices were fully up to those of a week ago.
Abattoir-dressed, fresh-killed stock quoted at 31c. to $311 / 2 \mathrm{c}$. per lb . Con sumption of smoked and dressed meat large, the prevailing weather being favo
able for it. In consequence the the market was firm, and prices were a cents higher per lb. with light hams
selling at 44 c . to 45 c . per lb
 heavies, 40 c . to 41 c . Breakfast bacon was firmer at 46 c . to 47 c . per lb . Windsor
select bacon was 50 c ., and Windsor bone select bacon was 50 c ., and Windsor bone-
less, 54 cc to 55 c . Canadian short-cut
barreled pork was $\$ 58$. barreled pork was $\$ 58$ to $\$ 60$ a barrel Lard was firm with pure leaf grades sel ing at 38c. to $391 / 2 \mathrm{c}$. per lb.
Potatoes.-The season becoming late, and quality is detatoes is ing rapidly. Green Mountains were
quoted in car lots at $\$ 1.45$ to $\$ 1.50$ per quoted in car lots at $\$ 1.45$ to $\$ 1.50$ per
90 lbs., ex-track. Quebec whites were
$\$ 1.25$ to $\$ 1.50$ while Ontario toba stock were offered at even less New American stock was still too dear
for general consumption. for general consumption.
Maple Products.-M.
not in active demand, and syrup was steady, withe 13 -1b. tins. quoted at $\$ 2.50$
to $\$ 2.60$ each. Sugar high as 30 c . per 1 b . Eggs.-Supplies were coming forward freely and quality is deteriorating, being
now poor. The market continued to de now poor. The market continued to de-
cline slightly. Selected fresh stock was available at 52 c . per doz., while No.
stock was quoted at 48 c ., and No. stock 40 c . to 42
Butter.
Bhtter.-The market for creamery is were slightly higher, with pasteurized
creamery at $521 /$ c. to 53 c.; finest creamer creamery at $521 / 2 \mathrm{c}$. to 53 c .; ; inest creamery
at $511 / \mathrm{c}$. to $52 \mathrm{c} ;$ and fine quality at a quoted at 46 c , to 47 c . Grain.-Atthough outside markets were
firm on oats, the price of these declined here, and car lots of extra No. 1 feed were quoted at $871 / 2$ c. per bushel, ex
store, and at 1 c . less to arive by water store, and at 1 c . less to arrive by water.
No. 1 feed oats were quoted at $841 / 2 \mathrm{c}$. No. 1 foed oats were quoted at $81 / 2 \mathrm{C}$ Ontario white we $871 / 2 \mathrm{c}$.
an easier tey showe
Bater
 Flour.-Demand for flour continued
active, and sales of car lots of Govern. ment standard Manitoba spring-wheat flour were still being made at $\$ 11$ per
barrel in jute bags, ex-track, Montreal freights for shipment to country points; and to city bakers ex-track or $\$ 11.10$
delivered, with 10 c . off for spot cash in dull and unchanged in price at $\$ 11.40$ to $\$ 11.50$ per barrel in new cotton bags in broken lots, ex-store. White corn flour
was $\$ 10.10$, and rye flour $\$ 8.75$ to $\$ 9$ per iivered.
Millfeed-Bran was quoted at $\$ 42$ Millfeed.-Bran was quoted at $\$ 42$,
and shorts at $\$ 44$ per ton, including bags, car lots, ex-track, or in broken lots at $\$ 1$
to $\$ 1.50$ extra Feed cornmeal was $\$ 70$; pure barley meal and mixed grain mouille,
$\$ 62$ to $\$ 64 ;$ mixed mouille, $\$ 56$ to $\$ 58$; Hay.-No. 1 timothy hay was quoted
at $\$ 35$ per ton; No. 2 at $\$ 33$, and No. 3 t $\$ 30$, while clover and clover mixture

## Victory Bonds

Following were the values of Victory
Bonds on Toronto market, June 28: Victory Loan maturing 1922, 1011 18c. to $1011 / 2$. Victory Loan maturing 1923 ,
$1011 / 4$ to $1015 / 8$. Victory maturing 1927, 104 to 104. Victory Loan maturing $1933,1051 / 4$ to $1055 / 8$. Victory Loan
maturing $1937,106 \frac{1}{2}$ to $1063 / 4$.

Cheese Markets.
 $301 / 2 \mathrm{c}$. to 31c.; Watertown, N . Y., $301 / 2 \mathrm{c}$.
istowel, 30c.; London, Bid 28 c . to 29 c . no sales; St. Hyacinthe, Que.
Perth, 3044 c .; Belleville, $303 / \mathrm{c}$.

JuLy 3, 191

The homely
baby's
The crackle of
The waiting,
near,
The opening
kiss,
Is Heaven, $\begin{gathered}\text { kiss, } \\ \text { here? }\end{gathered}$
Is Heaven
here?
The commor

## The

Life's Common Things The things of every day are all so swe
The morning meadows wet with dew. The dance of daisies in the noon, the bluc Of far-of hills where twilight shadows lice
The night with all its tender mystery of sound And silence, and God's starry sky
Oh, lifen the whole life is ar too flee
The things of every day are all The common things of life are all so dear The waking in the warm half-glcom
To find again the old familiar room The scents and sights and sounds that The homely, work, the plans, the lil.
The crackle of the open fire;
The waiting, then; the footsteps coming The opening door, the hand-clasp and the Is Heaven, not, after all, the now and The common things of life are all so dear

The New House.
$A^{N \text { architect has said, very tersely, }}$ that when building the new house A spaciousness must be expressed in ing area, and privacy in the sleeping This is a very good rule to remember
Privacy in the sleoping area is usbally a foregone conclusion, but too often it is
forgetten that upaciousness in the livin forgotten that spaciousness in the living
area means comfort and beauty, and area means comfort and beauty, and
compactness in the working area, con venience. Another point the architect might have emphasized is the plan-
ning of the house to save stens, not to ning of the house to save steps, not to
make them. Some houses make stepsthem one always seems to have to go around something instead traffic, with consequent muss and confusion, through rooms which should be
quite apart from such interference.quite apart from such interterence. - On a ken, there is special need to tpan tor
thort-cuts, for convenience as well as comfort and beauty.

U Condense the hall- ispace as large one as house a stuffy, poky appearance as one enters. The old-fashioned long hallway with stairs, quite hrough the house, ha toom, made a good deal of extra floor space to be cleaned, and was drafty in
winter. In modern houses the half-way hall is in greater favor, or the hallway with the stairs running up at the side or
across the back (see illustration), the across the back (see illustration), the
stairs turning once or twice on the way

up. In some large and fine houses, and in those in southern
ness in winter
hall of onen thekestite


## just inside the front

opening not direct-
front door but at one end of the vestibule. This will make a little spot in
which coats, rubbers and umbrellas may
be left, and will keep off direct blasts be left, and will keep off direct blasts
when the outside door is opened in winter. The turns in the stairs, by the way, The turns in the stairs, by the way,
are now managed by means of landings,
the steps being of uniform width all the steps being of uniform width all the way up, with a rise of 8 inches, and a tread of not less than 9 inches. The
old-fashioned curving stairs, with steps sloping off in dangerous angles, were gracerul, the the cause or innumerable accidents. The stairway railing should quickly a n d
easily dusted. If
fight of steps s.fficirg for the rest of
the distance to the upstairs floor. The Living Area.
$A^{\begin{array}{c}\text { point to remember is that no mattet } \\ \text { how smalla a house may be spacious }\end{array}}$ ness is "expressed" if the door-
ways are wide and there are plenty of
grouped windows. grouped windows. Broad archways also
add to this effect, but it is a mistake to use
them to connect any room that is in onstant use and requires much sweeping,
s the dust can thus spread through th house; the use of a vacuum cleaner, of Ourse helps to minimize this difficulty.
Usually an archway leads from ther hall to the living-room. In the latter there should invariably be a group of
windows along one wall-two if possible. If one group is thought enough, the
the adjoining or opposite wall should ave a crosswise window wr enough up to leave room for furniture ross-ventilation is assured. The same
levice is good in the dining-room where
he sideboard device is good in the dining-room wher
the sideboard may stand beneath thi
auxiliary window if there auxiliary window. If there is a fine
landscape about, however, groups of windows on two sides are very desirable If well-fitted and supplied with good weather-strips not too much cold will be admitted to a house furnished with

The advantages are
that they help to
the advantages are
furnishy help to to
room giving cheerfulness,
good ventilation,
the the healthfulness o
sunshine (whin sunshine (whic
can be shut out by can be shut out by
blinds on the hottest days), and the ing picture all the year round. With a grouped window, built-in bookcase, already more than
half furnished far as appearance
goes. group of windows opens upon a sunroom, which is heat-
ed and can be use res the
weather while still admitting the light and view, where. If a window must be "fancy" use diamond panes of clear glass. If an curtain across or have the window drow a Stained glass, unless of the very best invariably crude in colory expensive, is in effect. Even at best it should be very
sparingly

## few the living

1270
THE FARMER'S ADVOCATE
Founded 1866
kitchen, one end of which is transformed of dining-table, sideboard and chairs. Or a wide archway, across which chintz
curtains can be drawn when needed may give some semblance of separation to the kitchen end. The great advantage
of this plan is that it seems to keep the work "all together," and that it gives plenty of room at threshing-time. If
there are plenty of windows affording there are plenty of windows affording
cross-ventilation, odors and heat can be driven out in short order, while a
big screen (if the curtains are not liked) big screen (if the curtains are not liked)
can always be set up to shut away the can always be set up to shut away the
sight of the cookstove or baking table. -Speaking of windows, a good point to remember is that always, if possible at all, they should affor cross-ventiation,
that is, they should not be all at one side or one end, but should be so disposed as to create a movement of air across the room. This holds good for kitchen, as will be appreciated in hot weather. The best ventilation is always needed to give healthful living conditions, and undu
admission of cold in winter can be avoided by having the frames very closely fitted and using good weather-strips.
But why describe further. A glance
at the accompanying plans will explain more than a great deal of talk. In both saving of steps has been considered. Note
in both the union of back and front stairs saving both steps and space. In No. 1
Note the end cupboards with sink be Note the end cupboards with sink be tween and window over it; also rea porch affording a cool prace much kitchen work may be done. No. 22 is a plan supplied by the Cornell Reading Course, planned and drawn "frankly In it note the position of laundry, kitchen cupboards and sink, also the office at the front, a boon to any farmer who transact
much business and keeps books just much business and keeps books. Th apartment marked "man's room" in No. 2 is apparently intended as a sleeping for this purpose it might very well be used as a room for working coats and boots, also as a place for "washing-up" in before coming into the house. Such
a spot may, of course, be provided in the a spot may, as described in last week's article. Also, if the farmer finds a desk in his bedroom or in the living-roon
sufficient for all business purposes, the sufficient for all business purposes, the
"office" in No. 2 may be transformed into a study and library

The Bath-Room, Etc.
J
Withow more notes in closing whole place. Give it a good equipment of ath necessities, and, as soon as possible, if this cannot be immediately done, provide it with an adequate supply of
both hot and cold water that can be turned on from taps, instead of being carried from the kitchen stove. This
can be managed by a tank filled by can be managed by a tank filled by
windmill power or hydraulic ram, or water may be lowered from a strongly
built rain cistern on perfectly strong bracing in the attic.
When planning the

## When plan it not necessary to cross one

 room to get to another, especially the bedrooms. A little planning will be Ceilings are not made so high as they ofed to be, hing an winter and necessitating greater expense when papering the walls.to nine feet is a good height. Of curse
the house with two full floors, and an attic, and the ""hip-roofed"" style, give the best height for the rooms upstairs,
but , the sloping ceiling is not utterly but the sloping celing is not may be
taboo. The apparent height may
increased by a broad dormer window, running almost two-thirds the length of the other window arrangement. The
by
writer of the Cornell bulletin already writer of the Cornell bulletin already
referred to says: "It is commonly supposed that bedrooms located under a
sloping roof must necessarily be low and stopme This is not true. The fact that
hot.
some bedrooms so located, are stufy does not argue that all need to be no, cross-ventilation, or that the win-
dows are placed so low ato to leave a pocket of hot air confned mar ho cei
ing. Every one knows that hot ai riss, and that it will remain until
high in the room, If the roof pitch
and dormer windows are studied to fit the height of the second-floor rooms, length windows may be commodious arranged under a long roof, and the low

When ordering the woodwork have with as few dust-catching grooves as
possible. A plain surface perfectly clean possible. A plain surface perfectly clean
is vastly preferable to an ornate one Is vastly preferable to an ornate one
filled with dust, as it must be unless one is always working with it. The best
floor is, of course, hardwood-an exfloor is of course, hardwood-an ex-
pensive item nowadays-but many houses make a w well-finisished cheaper one do. Rounded edges next the baseboard are consideration in keeping a room clean.
Another point: Plan to have or Another point: Plan to have, soone a sleeping-porch above, also a back porch or verandah. Sometimes an floored, arbor with vines above and about is especially liked for an outdoor living room in summer, but a good tight roo has the advantage of making the place
usable on warm rainy days.

## Canadian Wild Flowers.

 Partridgealso called Pigeon Berry, Twin Berry and Squawberry. Who, in Canada, does no Go out to the woods in very early spring and there you will find its green vines,
bright with red berries if the birds and bright with red berries if the birds and
animals of the woods haven't taken them all off, for the berries remain on all

I am alone in the house-alone with cellar-study to for my breeze is coming in through my window and I can glance out for inspiration and see the waving green leaves of a mapl Is it any wonder that Is it any wonder that my thoughts turr
to that secret meeting under the fig tree long ago? Before S, Philip hurried to his friend with the wonderful tidings that he had found the Messiah, Nathanae
had met his Master under a fig tree had met his Master under a fig tree
He knew that he had met his rightfu
Lord, but he did Lord, but he did not know that the Name
of that Lord was "Jesus". As soon as he of that Lord was "Jesus". . As soon as he
learned that truth his soul bowed in adoration before the young Carpenter from despised Nazareth.
The story has been repeated millions o times since that day-the story of that
secret meeting which meant so much to Nathanael.
Jesus said
Jesus said to him: "Hereafter ye shall see heaven open, and the angels of Gor
ascending and descending upon the Son
of man." ascending and descending upon the Son
of man." The Shining Ladder is set
up everywhere, but our eyes up everywhere, but our eyes are not
always open to see it. As I sit at my always open to see it. As I sit at my
window I can mount, more swiftly than any aviator, straight, to the foot of the Throne. This little room is a real Bethe -a House of God. and Gate
which opens into Heaven.
It wonderful to know that Gor cares about the secret fellowship with your soul and mine. He loves to meet
His friends one by one. I am sure the His friends one by one. I am sure tha
joy of the disciples on Easter Day was a reflection of the joy in the heart of
Christ. He showed Himself to the
weeping Magdalene, then to the other

## Hope's Quiet Hour.

The Secret Meeting
$\qquad$ knowest Thou me? Jesus answered and
said unto him, Before that Philip called thee, when thou wast under the fig tree, saith unto Him, Rabbi, Thou art the
Son of (iodl; Thou art the King of Israel. Thank Thee, Lord, that here our souls,
Though amply blest, Though amply blest, Nor everfect rest - -




 road, and with those gathered together
in a closely shut room in the evening. Our Master has a special message for
each of us to deliver. It was He who sent S. Philip with that eager appeal to
his friend: "Come and see!"' ${ }^{\text {which opened }}$ a new world of joy and interest to an
aspiring soul. What a pity it would have
been if Nathanael's first discouraging response: "Can there any gooraging thing
come out of Nazareth?" had chilled his No one can cver tell how far-reaching Those confage entrusted to him may be berds: "Come and see,", have been echoed by many who are sure
that their Master stands supreme in His power and glory. The great business
of each of us is totake our message etraiwht
from our from our Lord and deliver it where He
directs. Nathanael under the fiy treeclimbed the invisible Ladder and met
his God. The Nay is open still
Christ Hienet Niat Christ Himsclf is "The Way Wen still, for
here with me now is We are so heplpeso when we try to work electric street-car when the power sopped an
Cars were at a line. The motor-men were helpless, and God translated him, that he should not
see death, because he pleased God." see death, because he pleased God."
He walked with God and pleased God! Could a grander epitaph be written of
any man? That record may be written any man? That record may be written
about you in the Book of God. You don't need wealth or learning,- not even
leisure,- to win the praise of the King of earth and heaven. Before the Carpenter
of Nazareth had begun His public ministry a Vozice from heaven declared that the Father was well pleased with Him
(S. Matt. 3, 17)-all through that life of hard and monotonous work the golden thread of fellowship with the Father
had glorified every moment. Farmers have many opportunities of meeting God in the beautiful out-of-
doors. They can speak to Him and listen to Him without topping the plough or the in the garden!
And Adam was a gardener,
That half a proper gardener's work 5o, when your work is finished You can wash your hands and pray That i glory of the garden And the glory of the garden,
It shall never pass anal", It shall never pass a away!'", questions of impaticnt answer to the Epistle to the Hebrews we are told that
God translated him, that he should
force which we call
easy to see its effects.
easy to see its effects. time looking at yourself and becoming morbidly introspective. Try the plan of secret meetings with God, and ask
Him for the power of the Holy Spirit Him for the power of the Holy Spiri A few months ago on vocate" readers sent me a little "AdRetreats for the Soul," which was use of Methodists. The writer pleads
with weary and discouraged souls, beg with weary and discouraged souls, beg-
ging them to leave the rush of busy ging them to leave the rush of busy
life sometimes, and go apart with Christ for a few days to repair the simitual
armour for the battle of life. He cays armour for the battle of life. He says;
"It is only when the soul is naked in the "It is onty when the soul is naked in the fully revealed and we understand how
evil it is." We are called to "follow" evil it is." We are called to "follow"
Christ; and as we read the story of His Christ; and as we read the story of His
earthly ministry we find that He re newed His strength by many quiet times mountain, in the desert and in the moonlit Garden. Sometimes He spent whole nights in prayer. Sometimes He arose
a great while before day and departel into a lonely place to pray. My little book says: He is our example in this as in other matters, the command to follow
Him loses all its meaning. Let us follow Him loses all its meaning. Let us follow
Him, not only in the crowded street, or in the daily round of work, but also into the desert and to the summit of the
mountain and we shall find that His mountain and we shall find that His
words are not vain, but precious and trords are not vain, but precious and
true, when He says, 'All things are possible to him that believeth'." We do not need to go out of the world
to find God. Christians were told that they were the salt of the earth, and salt
is needed in every under a "fig" tree that the Master meets
His discrinles. His disciples; He is to be found also
under the trees of the wood or under an apple tree in the orchard. Are we seeking
Him every day? Then we can meet Him apple tree in the orchard. Are we seeking
Him every day? Then we can meet Him
under the solemn glory of the stars and under the solemn glory of the stars and
the lovely blue of the summer sky. the lovely blue of the summer sky.
Then we can recognize His loving care in the restful green of the grass and the beauty of wonderful flowers. Then we
can hear the tenderness of His voice in the song of birds and the happy laughter of
children.
You do not need to go far from home You do not need to go far from home
to imeet the Divine Lover:"In wonder-workings, or some bush aflame,
Men look for God, and fancy Him conBut in earth's common things He stands revealed,
While grass and flowers and stars spell
out $\#$ Iis Name." Many thousands of years ago a man
lived on the earth whose name will never be forgotten, though we only know the history of his secret life. "Enoch walked with , God: and he was not; for God took
him," is the record in Genesis. In the
a dollar's
parcels of
of senger," etc.,
could have se woman who Quiet Hour $\mathbf{P}$,
day. I had neighbors
selling some buy food, so board was
bounty, helpe woman's grat husband is o
of a hospital. scatter good th

The 1 Rules for corr
Deparments
cor paper only. (2)
with communicati
the real name will enclosing a lette
place it in stampe
(4) Allow one

## Flowers

Foo

## Founded 1866

andstill don't waste self and becoming eith Gy the plan of the Holy Spirit 2
yone of the
me a little soul,", which waok st especially for the
The write pleads
uuraged souls, beg. the rus. solis, obeg. busy
o apart with Chris apart with Christ
epair the spiritual
eof life. He says soul is naked in ith
the stain of sin e understand how
called to "follow' dit the story of Hi find that He re-
many quiet times he Father-on the
$t$ and in the moones He spent whole metimes he arose
day and deapred
0 pray. My little example in this as
command to follow and
ing. Let us forlow
it crowded street. of work, but also
the summit of the the summit of the
il find
that but precious and
things are possible o out of the world ns were told that ne earth, and sat
ie it
It be found also Are we seeking
can meet Him of the stars and
the summer sky. the summer sky.
His loving care the grass and the
owers. Then we of His voice in the
happy laughter of go far from home or some bush thancy Him conand stars spell years ago at man
name will never e only know the
"Enoch walked not, for God took
Genesis. In the are told that pleased God.
nd pleased God he be wedt on of
hay be writlen k of God. You
ring, ount even
rise ore the Carpenter
in public ministry eclared that the
sed with Him
sho hrough that liee
work the golden
vith the Father ent
opportunities of of
beautiful out-ofto im and ister
the plough or the
are the evening

July 3, 1919
THE FARMER'S ADVOCATE。
1271
and "Reader of Hope's Quiet Hour" sent a
parcels of of S . S . papers, stamps. Narious
senger senger," etc., also arrived. I wish you
could have seen the face of one poor old woman who received help from the Quiet Hour Purse" the day before yesterneighbors that an old couple had heer selling some of their scanty furniture to buy food, so I called and found the cupboard was very bare indeed. Your
bounty helped to fill it, and the poor woman's gratitude was pathetic Her husband is over seventy, and , ust out
of a hospital. The Q. H . P P. . Ioves to of a hospital. The Q. H. P. . oves
scatter good things in such a bare home 6 West Ave. Toronto.

The lngle Nook




Flowers With Their Best Foot Forward.

## F

 bems as though they need nevebequeted to "put their bes foot forward." Surely their best foot
must be forward all the time. Not so, so far as cutIflowers for the
house are concerned. Indeed it is quite possible to take away quite half of their
beauty by putting them in the beauty by putting them in the wrong
holders, or by bunching them together inartistically
"It is almost necessary to have as
many holders as flowers," said Dorothea a) few minutes ago

Perhaps that is a sweeping statement
yet it is really necessary to have a yet it is really necessary to have a number
of jars and vases if our flowers are to look always at their best. I know a woman
who has about two dozen of them.Tiny glass baskets hold hepaticas, violets. lilies-fof-the-valley, forget-me-nots, and in season; low, saucer-like dishes come in for pansies and daisies; rose-bowls in
lear dland give the right setting for marsh-marigolds, sweet peas, nasturtums, roses and coreo-
pis; a vellow Doulton jar and another in pee blue glaze are brought out for
dex-eye daisies, cone-flowers (Black-eyed
old Susans, zinnias and other sturdy
specimens; still stouter jars, chiefly in
dull bren or vlazed black, seem ust specimens; still stouter jars, chieny in
dull green or glazed black, seem just
right for branches of apple-blossoms. japonica, spirea, garden hydrangea and
the like: while tall slender vases in clear or green glass and tall opaque jars of
varying form come to the top for the tall ilies, larkspurs, holly hooks, foxxloves, in lower vessels.
Of course this woman has spent quite an amount of money on her flower-
holders she has been picking them up for years; yet pleasing eftects may be
had with comparatively little expendiure if one keeps one necessity in mind-
proportion. Put low-growing fowers in de wate ones in dainty vessels, and
turdy ones in stout vessels. Follow this rule and you cannotsser vory far
tstray in flower arrangement. Put pansies or daisies in a bed of moss on an or-
dinary kitchen soup-plate and the effect vill be delightful; sweet peas, roses and
isturtiums look very well in a clear glass tumbler; while little crocks of all sorts may be improvised as hoters ar
such sturdy growers as sunfowers and
golden glow and the branches of fowering golden glow and the
rees.
As a rule cut flowers-especially As a rule cut flowers- especialy
those of herbaceous plants whose stems is
are green, not woody look well in are green, not woody looks. Wody
perfectly plain, clear glass vesests. Woody
stemis call for copaque holders; but this stems call for opaquind:- Flowers cry
should be kept in mind
out against being placed in orrate or
 just ins. the vessel in which they are
nest
placed. The effect of the most beautiful placed. The effect of the most be utterly
fowers that ever grew must
ruined if they are put, say in a bright ruined if they are put, say, jardiniere
blue or green yase or vo formed decorated" with brightly colored patinted
fowers or design.
Better the plainest Alowers or design. Better the plaines.
little gray jug from your pantry shelf.

The accompanying illustrations show
two very good holders of the tall variety Imagine No. 1 with a single straggling
branch of apple-blossoms, a hrand branch of apple-blossoms, a branch of
sumach scarpet in autum sumnach scarlet in autumn tints, or on
of maple leaves shimen gold! Doesn't it seem just right? No. 2 rather spreads at the top, so think of it with a few stalks of hollyhocks or
June
ilies, Tiser June ilies, Tiger lilies or morning
glory.
Either would
be charming with a single trailing vine of clematis or honey-
suckle. $\stackrel{\text { suckle. }}{\text { As a }}$
As a rule people put too many flowers artistic, choosing rather a single flower,


A Jar Suitable for a Single Branch
a single spray, or at most a yery few
flowers, arranged to show the full beauty fowers, arranged to show the full beauty
of each. Almost never should more of each. Afmost never shourd more
than one kind be place in any vesel,
although tiny feathery kinds such alan one tiny fe thethery kinds such as
"tbaby's breath" may be used, occasionally to give lightness.
People used to be practically compelled to put great masses in the holders to make them "stand up"-but all that is of the
past. There are brass network conirivances made nowadays to slipo over the
top of the vesels the fower stems being put through the mesh. Still better are the litle glass things with holes,
made to drop right into vessels in which made to drop right into vessels in wh ch
flowers are to be placed. I got two litite ones in Eator's not long ago for 35
cents each there wern cents each, there were others, much
larger, for 75 cents. The holes are for the larger, for 75 cents. The holes are for the
stems and hold up the flowers naturally
instead of lettinf the instead of letting them tumble over at The sides so that a great many more are
required to to fill up the gap in the middle

Just try exercising your artistic skill Just try exercising your artistic skint
in fower
arrangement and tee how fascinating it is. In some places nowa-
days prizes are given at the fall fairs for the best arrangements, -a very good
step so long as the judges themselves step so
are artistic.
For really all this is more important
han it may seem. A bouquet or allowe han it may seem. A bouquet or a flower
in a vase is on outyet or
an flower in a vase, ; may affect the whole a flower in a vase; it may affect the whole
room. Invariably a flower or two, exquisitely arranged, gives a touch of
refinement and beauty to the whole refinement and beauty to the whol
place and that means so much, doesn't it? Not many are needed -indeed an
over-abundance of flowers like an overabundance of anything else may only
suggest clutter and lack of harmony if not suggent tultarity.
positive
Just to close: I saw a foral arrange
ment several weeks aga not son forget, so perfect was it, the
nost beautiful thing in the quite beautiful room in which it stood. The holder was one of tor flowers, and was a bright
puralescent vellow in color, absolutely
opaly
was occupied dion of any kind. Its center things of which I have spoken, and indo forsythias orere thrust al few sprays of
folden bells." the forsythia, don't you? It is a shrub whose bright yellow scattered blossoms come our carly sping berore any of the
leaves appear. You can imagine how leaves appear. You can imagine how
beautiful the yellow flowers in the yellow
bowl were in bowl were in a room whose leading tone
was an unobtrusive green The arang was an unobtrusive green. The arrange-
ment seemed to give the one touch of
"high light" needed. Later when the Ment seemed to give the one touch of
'"inh light" neede. Later, when the
mid-summer fowers ran riot in the mid-summer flowers run riot in the
garden, blue larkspurs in tall jars are sure to be seen in that room- or blue
is the coolest color, you know-but somet cos the color, you know be a d fow
spikes of gleaming white gladioli or masses
s. sometimes the cheine matiol or a mases,
spikes of gleanig white gladion
of mave phlox or shell-pink "Daybreak"

Needle Points of Thought. "Tax the profiteer as much as you
like, but leave the food and raiment like, but leave the food and raiment
of the poor man alone," $-F$ "A world whose schools are unreformed is an unreformed world."
H. $G$. Wells.

Stained Book Cover. Dear "Schoolgirl". I am very sorry
to have to tell you that I do not think the milk stain can be really removed from the red cloth cover of the book. If it
were mine $I$ should $j$ just make a pretty were mine $I$ should just make a pretty
slip-cover of colored mercerized cotton and baste it on over the cover. You
could embroider the name of the book on the cotton. Of course linen would be prettier than cotton, and brown and blue
Pinens are ideal for book-covers, but
doubt if you could find a shred of it now.

## A Cake Recipe <br> IWe apologize to the writer of the following for the mistake. OOten wer following for the mistake. Often very prety writing is somewhat hard to read



Mirror Glaze Vase, Suitable for
Tall Flowers
press great care should be taken to have
every word legible especially those that are at all unusual -I Ed.l. Dear Sir- Lsent in a recipe for a
Scotch Gailad Ruchie cake, which owing
o poor handwriting, I suppose, appeared (o poor handwriting, 1 suppose, appeared
slighty alteredt
(Galla
Ruchic cake.-3 (three) eggs; $1 / 2$ cup creamh or cake- rich milk; (three) egep buts or other shortening: 1 cup sugar, 1 cup
corstarcho 1 cup
baking
baut
powler:

Syrups for Canning Fruit. 2 cups strawberries and sour cherries 1 Peaches and phums, 2 cups sugar to
cups water; (more sugar if if liked Pears, sweet plums, sweal cherries ase berries, $\begin{aligned} & \text { blueberries, } \\ & \text { sugar to } 4 \text { cuect water }\end{aligned}$ blivies, 2 cups For Mrs. At, Grey Co., Ont: Cut
in bits and crush 5 lbs rhubarb. Add in bits and crush 5 Plbs. rhubarb. Add
the trated yellow rind of a lemon and
1 gallon water and let stand covered 1 gallon water and let stand covered add 4 lbs. sugar. Put this into a samall
cask with the bung hole covered with muslin and let it ferment 2 or 3 days,
then put in the bung and then put in the bung and let stand 4
months, when it will be ready to draw months, when
off and bottle.

Time Table for Cooking
Fruit.


Custards for Hot Weather.
CUSTARDS are palatable only during Modern prove popular as well as nourishing. Modern ingenuity, too, provides many
variations The name longerions. The nuggeste the one dish known to Cocanut Custard.-Mix together the Yolks of 3 eggs and 2 whole eggs, well
beaten, $1 / 2$ cup sugar and 1 quart milk. beaten, $1 / 2$ cup sugar and 1 quart milk.
Add a small cupful of grated cocoanut or of desicated coconate soaked for
half an hour in a little milke. Bake in a slow oven just untit becomes firm,
then cover with a meringue made of the beaten whites left over and $1 / 2$ cup pulverized sugar. Sprinkle with cocoanut
and set ack in the ven to brow slightly.
This may be used either as This may be used either as pudding or Plain Custard.-
Onit
and flavor with any flavoring liked. custard but flavor with caramel syrup. Caramel Syrup--Brown sugar (do not
burn it at all) in a shallow pan. When burn it at all) in a shallow pan. When
it becomes a brownish yellow pour on
enough water to dissolve the sugr
dis. enough water to dissolve the sugar.
Leave until the hardened sugar all dis-
solves then botlle caramel puddings, to pudding sauce,
even a little to soup and stew when a even a little to soup
brown gravy is desired.
brown gravy is desired.
Moulded Custard.- Soften $1 / 4$ package of gelatine in $1 /$ cup milken Make agorit cutard by cooking slowly over hot
water a mixture of 3 egg-yolks, $1 / 8$ cup water a mixure of 3 egg-yolks, $1 /$ cup
sumar, $1 / 2$ teaspoon sal and 11 pint milk;
When done add the telatine .
 dissolved then let cool, add $1 / 2$ teaspoon
vanilla and strain into a wet mould. Iet stand several hours, or over night,
in a cold place. Before serving unmould and pour over it $1 / 2$ cup fruit jelly half
dissolved in $1 / 4$ cup boiling wate dissolved in $1 /$ cup boiling water. Or
serve with half beaten cream. Custard Pies-Custard pie may be be
given many variations by using different given many variations by using different
kinds of fruit. For the plain custard use a pint of milk, 2 erge, a lititle eusuar a
pinch of salt. To this add raw berrie peaches cut in bits, canned or frres
pincapple cut in bits, or any kind of


Wheat Bubbles Pufted Wheat is whole wheat, puffed
to bubbles eight times to bubbles eight times normal size.
The grains are thin. and crisp and flaky. They are four times as porous as bread. And they taste like food
confections-like airy nut-meats, toasted.


dried fruit-figs, dates, etc.,- -soaked,
cooked then cut in small bits. Do not cooked then cut in small bits. Do not
add the juice. Bake in a very moderate
oven add the juice. Bake in a very moderate
oven as usual. A plain custard pie may
be given a new flavor by adding $1 / 4$ be given a new flavor
teaspoonful of cinnamon.

A Fireless Cooker Dish Boiled Beef With Sauce.-Take 4 lbs .
round or top sirloin, 1 qt. water, 2 table round or top sirloin, 1 qt. water, 2 table-
spoons butter, 2 2tablespoons flour, spoons butter,
tablespoon horseradish or catsup, chopped
parsley, salt and pepper Wipe the meat parsley, salt and pepper. Wipe the meat
and skewer or tie it in shape if necessary Place in one of the vessels of the cooker,
add the water and bring slowly to boiling point. Cook over the fire for 20 minutes,
poason with salt and pepper, close the season with salt and pepper, close the
lid tight and place immediately in the lid tight and place immediately in the
fireless cooker. Cook at least 6 hours -8 will do no harm. Just before serving, make the sauce. Mix flour and butter
together, add 2 cups of the water in together, add 2 cups of the water in
which the mieat was cooked and stir Whil boiling. Cook 2 or 3 minutes,
unti
add the horseradish or catsup and pour add the horseradish or catsup and pour
over the beef. Sprinkle the chopped over the beef. Sprinkle the chopped
parsley over the top and serve at once. parsley over the top and serve at once
This dish may be cooked over night and just warmed up for dinner.

## The Scrap Bag

White Soaps.
Be sure to use a mild white soap and cool water for washing ginghams, colored muslins, voiles, etc. Lux is good, but the suds should be let cool before using for colored goods. White silk waists should ways be washed in cold or almost cold cloth and ironed; hanging out in the sunshine yellows them

## Coloring at Home

White silk waists, stockings, etc., that have become off color may be given a new lease of life by tinting them any color one, chooses. A little colored "crinkle paper" is often used for this and possesses the so that one being easily washed out, time. Boiling is not needed for this. Dld cotton Boirsses or heeded for this. Old may be given a permanent color by "Dsing any of the popular dyes "Sunset," Flakes" make a dye that does not re-
quire the goods to be boiled

The Dingy Hat.

## So Thin, So Airy

That They Seem Like Fairy Foods Prof. Anderson created the greatest grain foods in existence.
Never were whole grains made so delightrul, never so divestible as these. Puffed Grains are not mere breakfast dainties. They are allhour foods-foods for playtime, foods for bedtime, foods for every
hungry hour And het no day pass without them. Children need whole grains. And here they are as ever-ready, tantalizing tidbits.
No supper dish you ever served compares with Puffed Wheat in

## Puffed Wheat Puffed Rice

Each 15c, Except in Far West


Eat like Peanuts
ix With Fruit

The Quaker Oars Company
Peterborough, Canada Saskatoon, Canada
summer, same as first season, and ashe
too, if convenient. All the above fe zers excent stable-manure may mertili
chased at the large seed-stores. chased at the large seed-stores. We pure-
the ground is sour, an application of aire the ground is sour, an application of air-
slaked lime, sufficient to make the surface slaked lime, sufficient to make the surface
white, well raked in, will correct this
acidity, and also hasten the action acidity, and also hasten the action
of the other fertilizers, and in some degree
will itself be a fertilizer. Sur will itself be a fertilizer.-Surburban Life.

## Killing Rats

One chemical for destroying field rats are saturated with it and cotton or rags holes. The inmates are thus suffocated. Ernest Ingersoll, the noted nature
writer, recommends this, but adds,
"this is of little use in buil "this is of little use in buildings, for it "While endeavoring to kill on to say by these various methods, precautions should be taken against their return Their runways and harboring places The wisdom of sout and made untenable, by which they enter houses, barns cellars, need hardly be mentioned to common-sense readers. Freshly slaked lime placed in their dry burrows and runs
is effective. A strong solution of copperas is good, and gas tar daubed about their holes, as also is caustic potash." "-Surbur-
an Life.

In Berry Time.
Oh, long ago, so long ago that I can just When one short week was "most a When yar" before a holiday; to merge in bright September And all the air was scented sweet with

Oh, in those long-gone golden days, with On, in those long-gone golden days, with
all the birds a-singing
For every joy of being in the glad free We used to start at early dawn with pails and baskets swinging

$$
\begin{aligned}
& \text { seek the upland meadow } \\
& \text { the grass, dewearled. }
\end{aligned}
$$

For there above the little town were berries for the taking,
The nectar of the gods in
The wine of sweetest August days, for Epitomesty childhood's slaking
sun.
Oh, was it berries that we sought or just the joy of 'venture? Explorers, each and ev'ry one, were Oh, who of us that minded scratch, or torn frock, waiting censure?
Oh, who of us that heeded time, or Oh, who of us that heeded time, or earth's set ways?

The bushes were a fairy maze, with ogres grimly peopled,
harmless snake, that fled us, was a dragon breathing fire, The forest was a castle, moated, turreted To storm its bodeful portals was our Perhaps the pails and baskets were not filled to overflowing
Perhaps our hands and garments were
not tidy, as at But no one thought to chide us when we came home, laughing, glowing,
Our blouses stained with berries and our aprons torn.

Ah well, 'twas long ago indeed, and yet Still yield their treasure and delight to ev'ry questioning soul!
And often when the valley lies in quiet
I take the winding

And live again with fairies and with
ogres and with dragons!
And drink again the nectar that we
quaffed so long ago
in her flagons
To him who seeks with understanding nure may berur-
needstores.
Where application or iert
to make to of firl to make the surfaci
, will correct thie

estrocing fiel rat n. Cotton or rags
and pushed into the
are thus suffocated are thus suffocated. this, but adds
in buildings, for in buldings, for i
He goes on to say to kill off the rats
sthods, precautions ainst their return.
harboring place nd made untenable, ping up all hole
houses, barns, be mentioned to
s. Freshly slaked y burrows and runs
solution of coppera laubed about their

Time

## ago that I can just

noliday; most a waxed and wz
hht September scented sweet with
e golden days, with inging
ng in the glad free rly dawn with pails meadows,
pearled.

Aust
August r and her gracious

## we sought or just

 il ev'ry one, were minded scratch, orning censure? ing censure?
heeded time, or

y maze, | g fireje |
| :--- |
| , moated, turreted | 1 portals was our

ing ind orn
chide us when we
thin hing, glowing,
tith berries and
wity

July 3, 1919
THE FARMER'S ADVOCATE:
1273

Our Serial Story.
The Forging of the Pikes A Romance Based on the Rebellion
Sarial rights secured by The Farmer's Advocate
CHAPTER XXXV
The Journey.
$T$ HE letter came about 15th, 1838. 1 my last writitg: journey, Alan, if you can take me on
pillows, very slowly in the pillows, very slowly, in a waggon. I
want to see the Golden Winged Woods
befor before the snow falls."'
So it was that I set off with the only spring waggon in the neighborhood Indeed the whole settlement was aroused over my going, and everyone
wanted to contribute something. Tom wanted to contribute something. Tom
provided, besides the wagkon and a horse provided, besides the waggon and a horse
to go with Billy, a little tent that has often stood him in good stead in trips
through the forest. $\quad$ My mother had through the forest. My mother had
fixed up a feather bed to go under it and at the last moment Mistress Jones came bustling along with stone jugs "ter her feet to to be filled with hot water
in case it should turn cold.-And so ry fully equipped.

But when we were about ready to
leave the city, Uncle Joe arrived with Ieve the city, Uncle Joe arrived with
his family coach, and came more than half of the way home with us, insisting
that I ride in the coach
with
Parry that ride in the ooach with Barr
"It'll be a change for her to move from
the one to the other," he explained, "she"ll
not be so tired." "
Thus it was that we travelled off
Thus it was that we travelled off in fine style, with our private plysician,
and often enoug we looked byck, to
wave a tand to him or call to him as he Iollowed, sitting very erectly on the seat
with his hato off and the sun shining bald head, happy as a robin in April, and smiling at us as he touched Billy
and Nell along to keep up with his own and Nell along to keep up with his own
more spirited bays in our ocoah.
'TTear ${ }^{\text {an }}$, ages ." he would attling up as we waited, "How do you expect an old fellow like me to keep up
with that gait?
 the Half Way House, he let me first build a bed of balsam boughs, -deep,
and springy, and odourrous in the bottom of the waggon, and then he arranged the feather bed on that and I put the little propped up with pillows so that ghe migh, miss nothing of the scenes for which she had longed, as we passed by. "It's the darling girl she is!" he said, kissing her roundly on the mouth, "and spalpen! Well, give my love to your
mother and father.- Nora and III be down New Years sure, if we have to come

At the Village the Doctor and his thers, too- came out to bid us welcome but at the Corners not a soul appeared, except Hank's father, who came bustling
out of his store with the glad hand ready. out of his store with the glad hand ready.
"Wherets everybody? IT asked sompwhat puzzled. "The place seems to be "Wheserted." "hy theyre all off on a picnic," he But when we had gone up the road a bit, there were they all- all that were
left of them. They came out from the eft of them. They came out from the
trees, and stood in the road, and waved their hands to us. exclaimed, as we drew nearer. For there the two dear souls were,
smiling from ear the ear; and there were
father and mother and Tom Ionson father and mother, and Tom Johnson
and his wife, and Mistress Jones and and his wife, and Mistress Jones and
her "toppler," and Dimple, and Ned Burns, and Micky Feeley, and all the other boys and pirls, big and little, of the
whole neighborhood. At the very whole neighbornood. ist someone sprang out from the underalat someone sprang out Dicky boy himself, proudly beamed upon by his mother, and
anxious to have a talk with me so that anxious to have a talk with me so that he could tell me all the "noos." "How is Meg?" asked Barry, when she could get in a word between the
laughing and chaffing. laughing and chaffing.

1
was beginning to discover what you ha ${ }^{\text {d }}$ been to me from the first, Alan. You had always been my haven and my rest. Meg.-Oh, Alan, you don't know!I just told her everything.'
"Meg knows how to hold her tongue I said.
I knew that,", replied Barry. "She's
really superior to-to many women really superior to-to many women, in spite of her oddness.
"Yes," I assented. "What strange people drift to this new country, Barry
She looked up at me and smiled. "But what a beautiful country it she said, slipping her hand into mine And then together we looked all about and listened to the sound of nuts dropping and squirrels leaping from branch to branch.-Everywhere the trees were bare save for a few shreds of yellow and red
hanging like banners among the brat and, here and there the deep green of the pines, but the ground below was covered with a rustling carpet of golden and crimson leaves, which had settled about the clumps of green fern and burning bush all drooping with scarlet berries
"lan II've bueautiful," she repeated for palaces and mirrored walls and silken dresses.-Do you remember?"
"Wemember," I said.
she went never "leave these woods, she went on, "unless when we go up
to see Elizabeth, and Nora, and Uncle Joe and the rest.' -I love them all", Joe and the rest. -I love them all". when do you think you'll be able to go to Riverdale?"
"I want, very soon, I hope," she replied I want to go before the ice forms on the
But we can go again in the spring "waggon," I said, looking down at he "No," she said, quite determinedly "I. want to go by the river. You're sure you'll buy Hank's canoe, Alan?" willing to humour her whim.
For a little she said nothing, but kepl gazing into the waterfall, and then she crept towards me a little and I slipped down on the rug beside her and took her in my a arms.
she remarked, although she must have remembered quite well.
"I could paddle along it quite well
then, even if I weren't very strong, she continued
"Yes, at this time of the year it would carry the canoe said And then Istopped, wondering, and dre
her very close to me, and knew that the thought of a hundred generations was working through her.
I "You want to paddle me home, Barry?" of her ear
she whispered, and looked int her and smiled
-Dear child, I knew then that to he the real day of our marriage must be sanctified by this ceremony of the tribe Only thus, to her, could the Great Munedo come, placing
on our union
Im very foolish, Alan, she said
presently, with a little laugh of apology II can't explain this wish, but it apher It shall be as you wish, Barry,
replied. "It will be a very sweet I replied.
home-coing home-going
And then
An then, almost as the last word top of a tree near us, a faint and sleepy,

## 禺

"The whitethroat!" we exclaimed sim ultaneously, almost startled, and t.
'And he seems very tired," she added 'But he'll come next spring.' with the whitethroats," she said.

I am writing this in my little roon beneath the roof-perhaps I shall never write it again, but sometimes whal
come into it, for the two homes will be almost one. dit Just a few days ago Barry and 1 sa
ay the waterfall. In just a few moment by the waterflall. In just a few moment

The last loa tying on her

## Standard Stock Feed For Sale A Valuable Feed for all Classes of Stock

THREE thousand tons of this stock feed is still available for distribution, and farmers should order now before supply is exhausted.
This Standard Stock Feed which is in store at Ft . also makes an excellent poultry feed. It contains William, consists of recleaned elevator screenings. By actual feeding tests at various Dominion Experimental Farms it has been proved excellent for dairy cattle, while for finishing pigs it is equal to barley. For fattening lambs it gives very satisfactory results, as well as for fattening steers. It
$14 \%$ Protein, $5 \%$ Fat and $8 \%$ Fibre.
Over fourteen thousand tons of Standard Stock Feed have been sold and distributed by the Feed Division, and have given excellent results. Order a car load now as the quantity is limited. Be sure to state whether you require it ground or unground.

UNGROUND
In Bulk, per Ton
\$26
f.o.b. Fort William

Payable on Arrival Orders should be sent direct to Feed Division, Live Stock Branch, Ottawa, for straight car lot only-(about 30 tons to a car.) Join with your neighbor and order a car on shares. Terms-Sigh
draft with bill of lading attached, payable on arri val of car. Orders filled strictly in turn as received.

GROUND
Per Ton, in Bage of $\mathbf{1 0 0} \mathrm{llb}$.
834
f.o.b. Fort William

Pamphlet No. 18 giving full particulars sent on request with samples of the feed.

## Live Stock Branch (Feed Division)

The Dominion of Canada Department of Agriculture
OTTAWA
CANADA
305

The last load has been taken, Barry her bonnet downstars.
$A \begin{aligned} & \text { NOTHER day has almost passed. } \\ & \text { Outside }\end{aligned}$ ling. It turned cold in the fal Barry is lying asleep on the nignt that I made with so much loving thought of her;--like a little child she drops aslee anywhere and at any time, but it is bringing back to her, little by little, the strength my Wild Rose -my Oogenebahgooquay step used to carry her through the Golden step used to carry her through the Golden
Winged Woods. Near us the fireplace is filled with blazing logs the fireplace is fulec with blazing looss, beginning to sing. - Looking out of the window, with its blue and white curtains drawn back so far that they do not cover it at all, I can see the river. It is very gray and
leaden this evening, and the great white leaden this evening, and the great wwers
snowflakes, coming down like flowers disappear instantly when they fall upon it. Last night it was all crimson, and amber, and gold-for, as Mistress 'Jones says,
"the weather has held off" wonderfully.

They came with us as far as the rivermother and father-the four of us riding come to the little cove where the canoe lay on the bank, they kissed Barry and went back.
We watched them until they had gone over the hill, and the last rattle of the
waggon had died away on the still evenwaggon had died away on the stre folded in each other's armis.
In a moment or so, I pushed the canoe down into the water. When I turned to her there she stood, in her dress of
buckskin color, with the red sash about buckskin color, with the red sash about in her hair, which hung straight about her shoulders. On her feet were the little moccasins embroidered with porcupine quills.-Smiling she stood, and the light of the sunset shone on her white face and into the depths of her great dark her cheeks a glow that was not altogether of returning health.
Beside her, on the bank, were her bonnet and the long cloak she had worn.


## Does the Work of Two Machines

A combined Tedder and Side Rake which can be changed in an instant, by simply pulling one Lever, from Tedding to Raking or reverse and satisfies the most exacting in either capacity.
It saves the cost of one Machine, the extra storage space required, and the time hitching and unhitching when changing from Tedding to Raking.
The Massey-Harris Side Rake and Tedder has a frame of Angle Steel, strongly braced and trussed, giving great strength. The Gearing is strong and simple-fast speed for Tedding and a slow reverse motion for Raking.

The motion of the Teeth is easy but positive, their action being very similar to the work of hand Rakes, handling the hay gently, without beating or threshing.

MASSEY-HARRIS CO., Limited Head Offices-Toronto, Ont.

Montreal, Moncton, Wimnipeg, Regina, Saskatoon,
Swift Current, Yorkton, Calgary, Edmonton. Transfer Houses-Vancouver and Kamloops

I would have spoken she placed her fingers on my lips. "Come!" she said, and stepped into the canoe. I followed her and took
Silently place, pushing my hand aseinst a spur place, pushing my hand against a spur
of root to send the light craft out towards the current.
Already she was kneeling in her place, beginning to wield the paddle, and so with her body swaying with the stroke
and her long hair blowing on the light and her long hair blowing on the light
breeze, we passed out upon the water all chequered with the sunset and the deep shade of the trees along the shore. Thus they went their way to the wigwam in the Penahqueewene Keesis, the moon of
the falling leaf, and she paddled the canoo. To be continued

## His Dog.

( $\overline{\mathrm{He}}$ also Serves Who Only Wags and Waits.) I'm sure I sniff excitement in the airPerhaps he's coming home! If I could But up and down the street and every Ive watched about a hundred years or Yet somehow I expect him any daycheers and
marched away.

And when A streak of dog, in frenzied happiness,
You'll understand pat my head and say:
Hello, old
"Hello, old pal!!, You missed me
some, I guess!", I leap to kiss his h
I
I wonder if a dog can die of joy!
-Laura Simmons, in "Life."
The skunk has been classified as an nimal of great economic importance by the Department of Agriculture. As an enenty to destructive insects and vermin, against which the farmer could riot successfully cope,
monly despised and destroyed, should be protected at all times.-Our Dumb protected
Animals.

## For Men Who Know What They Want

FOR the man who knows a good hog, who knows how it should lengthen out for the first few months and fatten in the last few weeks.

For the man who knows the feed a good hog should have, we have something to offer.

He will find that

##  <br> Milk Hog Feed

is the most satisfactory, most economical, most rapid pork-producer that has yet appeared on the market pork-producer that has yet appeared

We invite you to compare it with other feeds.
It is guaranteed to contain Canadian peas, No. 1 Argentine Maize, No. 2 American Corn, Fine Thirds, fifteen per cent Powdered Milk, and an imported high protein food that is superior to tankage

This can be used with absolute safety from birth to finished pork.

The price is $\$ 4.25$ per cwt., freight paid on five bag lots to your nearest railroad station in Ontario. On 100 lb . lots, sent by express, 50 cents extra.
Sold by all first class dealers, or by the manufac turers direct

ANDREW MOTHERWELL OF CANADA, LIMITED
valleytown feed mills

## DUNDAS <br> ONTARIO

the caldwell feed and cereal company, limited

## Money Saving Tires

During the period that these tires have been advertised at cut rates hundreds of people throughout the Dominion
have taken advantage of these prices and saved money. Are you one of them-have you sent in your orde and had tires sent on approal If not, do now take advantage of this offer and save money
Receive bran new tires that are guaranteed to give you more mileage per dollar invested than any other tire-irrespective of price paid. Each
tire bears the name and serial number of one of Canada's four largest tire manufacturers, an assurance of the highest quality of material and workmanship.
Your order is sent express paid C.O.D. to any ad-
dress in Ontario. Ouebec or the Maritime Provinces dress in Ontario, Quebec or the Maritime Provinces
for free inspection and return at our expense if not for free insp
satisfactory.

$30 \times 31 / 2$ Tubes, Fully Guaranteed $\$ 225$
Security Tire Sales Co.
TORONTO

## BRANTFORD BINDER TVviNE

W
have no tariff protection. Our business has grown because our customers are convinced that our twines are the highest quality. We submit them to a special preserving treat-

Gilt Edge - 650 Ft . Gold Leaf - 600 Ft . Silver Leaf - 550 Ft . Maple Leaf-500 Ft.
Write for full information and calendar
BRANTFORD CORDAGE COMPANY, LIMITED BRANTFORD, ONTARIO

Live Poultry Wanted |POULTRY AND EGGS Strictly Fresh Eggs Wanted



BABY Chicks, Strong Healhy Laying Strain



Current Events.
British Columbia farmers are organizing
Council of Agriculture for the Province
" The Winnipeg strike was called off on June 2b. The Government has appointed
a commission to Drobe the causes.

An airplane company has been chart-

Mr. John H. Lillico was nominated for North Oxford seat in the Commons
the the United Farmers' Clubs of Worth Oxford and Independent Labor Party of

By a vote of 105 to 34 the House of
Commons at Ottawa voted in favor of Commons at Ottawa voted in favor of 12 months after the proclamation of

Mr. Herbert Hartley Dewart, K.l. M.P.P., a Toronto barrister, was selected
by the Ontario Liberal Convention its
the teader of the Provincial Parts.


ALMA LADIES' COLLEGE Canada's National Residential School for Girls combines all the advantages of health, culture, and
$\qquad$ ses in Music Arthetic training. Domestic Science, and Superior Art, Oratory, High School, Business, Opens its thirty-nin
hundred and nineteen.
PERRY S. DOBSON. M.A., Principal. R. I. WARNER, M.A., D.D., Principal Emeritus


Field Marshal von Hindenburg has
resigned as Chief of the German army. $\begin{aligned} & \text { turned to France, was another breach } \\ & \text { good faith for which (iermany must }\end{aligned}$ Admiral Reuter and his whole staff of Officers were arrested for sinking the German fleet at Scapa Flow, Orkney
Islands on June 21, and on June 25th the
Reace Couferen Pstands on fune 21 , and on June 25 th the
Peace Conference sent a note to Germany
declaring that the sinking of the ships was a
violation of the armistice ahree-
ment. Premier Clemenceau added that
ather ment. Premier Clemenceau added that
the burning in Berlin of the French flagsturned to France, was another breach of
good faith for which Germany must make
reparation.
Von Bethimann-Hollweg, who was
Chancellor of Germany when the war
began, has formally asked the Allied
Powers to put him on trial instead of the
former Emperor of Germany. He de
clares that he assumes the responsibility
for the acts of (iermany during his term
of office.

One June 28 in the Hall of Mirrors a
Versailles, Herr Mueller and his as
sociates signed the Peace Treaty, the
event being acclaimed with great joy by
the French people. The Chinese dele
gates, who were, unable to accept
Shantung settlement, absented them
selves, and Gen. Smuts entered a written
protest advising greater moderation
protest advising greater moderation
otherwise the event was marked by no
especial feature.

## The Dollar Chain

Exclusively to help blind and maimed Canadian
quested.
Contributions from June 20 to June 27
"Lest We Forget," Melanclho
Previously acknowledged. $\quad \$ 6,041.50$
Total to June 27 ............. $86,044.51$
Kindly address contributions to The Farmer's Advocate and Home Magazine,

## ires

 $t$ the Dorinion saved money nn your ordeot, do so now save money. invested than ice paid. Each ufacturers, an D. to any ad-
time Provinces time Provinces
expense if not

| Plain |
| :--- |


| 25.00 | $\begin{array}{ll}27.50 \\ 28.00 & 37.00 \\ 29.00 & 38.00 \\ 39.00\end{array}$ |
| :--- | :--- | | 32.000 |  |
| :--- | :--- |
| 35.00 | $\begin{array}{l}42.50 \\ 45.00\end{array}$ |



## LIGHTNING PROOF FENCE POSTS

 that will not rot, break, burn or buckle.

PRESTON 200 CIETAL SHINGLE \& SIDING CO. LIMITED


The High Price of Oil
Cake.
The high price of Oil Cake and Cotton Seed Meal can be largely offset by the regular use of Herbageum. It enables the feeder to use more roughage and reduce the
ration of expensive meals while maintaining his animals in prime condition. Cornstalks, coarse hay and straw contain
a large amount of food that animals are unable to fully assimilate and they can only be given in limited quantities. Regular use of Herbageum overcomes
this difficulty and a much larger quantity of roughage can be profitably used and the animals maintained in prime condition with their maximum production
of flesh, milk, butter or wool. Herbageum, given regularly twice daily for a horse, cow or hog and the cost
is only 25 . per 1 b , which is less than one is only 25 c . per Ib, which is less than one
cent a day per animal.
As good calves can be raised on skim or separated milk seasoned with
Herbageumas on new whole milk without Herbageumas on new whole milk without
it. It is more economical than flaxseed or oil cake for calves. Try it. Pigs
will thrive on fresh wheyand Herbageum. As good weights can be assured with
hogs at six months with Herbageum hogs at six months with Herbageum
as at eight months without it, and the
pork will be firmer and sweeter and the lard of a better quality.
Herbageum is without equal for poultry Herbageum is without equal for poultry
and when given regularly to sheep there
is no trouble with ticks and sheep dips is no trouble with ticks and sheep dips and in every way superior . during over thirty years and all we claim
can be substantiated bv thousands who can be substantiated by thousands who
use it. Beaver Mfy. Co., L.td. Sole


PEDUARS Geore SHINGLES Lightning-Proof $T$ HESE shingles lock on all four sides forming practically a one-piece roo properly grounded, causes lightning
strokes to be evenly and harmlessly strokes to be evenly and harmlessly
distributed. Proof aloo against fire wind, rain or snow, and will not rust rust o decay, but will last a lifetime without Write for Roofing Bookld I $I R$
R
THE PEDLAR PEOPLE LLMATTED
( Letablioneo
Executivo Officenand Factorios:
Branches: Montroal, Quebec, Ottawa,
Toronto, Winnipeg, Vencouver.

## SPECIAL OFFER Strong Steel Gates

We are prepared to ship at once (FREIGHT PAID) to your
nearest station. Write to-day for Illustration Special Price

The Guidal Sales Co. Factory Distributors C.P.R. Building Toronto, Ont.






 el hor-aving gualitic


## Cream Wanted

Ship your cream to us. We pay all express charges. W supply cans. We guarantee highest market price.

Ontario Creameries LONDON

ONTARIO


WANT AND FOR SALE
 bout thousand acres and including two hundred
cres of apple orchards.
Excellent
conty
Shiping
Box $\frac{\text { Armers Advocate }}{\text { FARM WORK DESIRED BY BY YOUNG MAN }}$

## THE <br> MOLSONS BANK <br> Established 1855 Capital and Reserve, $\$ 8,800,000$ Over 100 Branches <br> Open a Sarings Account With The Molsons Bank. <br> > And pay your accounts by cheque. You avoid the risk of carrying sums of money, and the cheque is an absolute receipt. Interest allowed on deposits. <br> <br> And pay your accounts by cheque. <br> <br> And pay your accounts by cheque. And pay your accounts by cheque. And pay your accounts by cheque. of money, and the cheque is an ab- solute receipt. Interest allowed on of money, and the cheque is an ab- solute receipt. Interest allowed on solute rec

 solute rec}

## CILSON MFG. CO. Ltd.

 859 Vork 8t, CUELPH 85

## Ace High!

$\mathbf{T}_{\text {has so many exclusive }}^{\text {HE Dixie "Ace" Tractor }}$ features so many mexclusive Aces,"一acknowledged byeveryAces, -actinoweadgediver ry-





CILSON Mfy. Co. Ltd. 869 lork Sl., Guelph, Ont. 26

## Credit.

Credit.-The question, with what to
buy involves the question whether to buy buy, involves the question whether to buy always with cash or to make a judicious use of credit. What advice to give farmceedingly delicate pyis subject is an exwho has not a very keen sense of value or is not in the habit of keeping accurate accounts, who does not understand the importance of charging for deterioration, etc., would better avoid the use of credi as he would the plague. If he never
makes use of it, he will probably not makes use of it, he will probably not
achieve a large degree of success as a farmer: large degree of success as farmer does make use of it, he is pretty certain to become bankrupt. But the farmer who has a keen sense of values, who understands business methods, wh keeps accurate accounts and knows what
to charge for deterioration, and who at to_charge for deterioration, and who a
the same time is a successful manager in the sense that he is able to grow good
crops and to sell them to advantage should not hesitate to make a large use of credit. By means of it he saves time He can secure fertilizers, farm machinery live stock, etc., much earlier than would otherwise be possible. If he is very wise in his purchases or skillful in his manage-
ment of the credit he has borrowed to pay the interest and leave a handsome profit besides. This profit, that is, the sum which he makes from the purchases over and above enough to pay principal and
interest, represents the advantage of interest, represent
making use of credit.
Bank Credit. credit system works bety speakin, the not mixed up with something else like storekeeping, that is, where the credit
institution is purely one of credit and institution is purely one of credit and
nothing else. In other words, bank nothing else. In other words, bank
credit is generally a better system than credit is gedit. In the first place, when one
store borrows of a store he does not borrow moreover, no liberty to buy where he chooses. He only borrows credit and must, furthermore, make use of it in
buying at the store where he borrows, buying at the store where he borrows.
But when he borrows of a bank he either receives money or the right to draw it when he needs it. He is thus at liberty chooses. This puts him in a position of greater independence than he, enjoys when he
makes use of store credit Where the banking system is well developed and banking system is well developed and
there is competition among banks to get business $x_{x}$ it is not likely that the rate of interest charged will be exorbitant, though it is never low. The bank is
virtually a middleman, performing much virtually a middleman, performing much
the same function, and entitled to a reward for the same reason, as a merchant. So
long as a borrower can borrow directly long as a borrower can borrow directly
from the lender, the bank's profits can be saved; but where it is difficult for the
borrower to find a lender, or a lender to find a borrower, or where the personal
relations are such as to prevent dealing in a personal way with one another, the
bank performs a real service. They who the bank, and they who need money can trouble of finding one another. Again, the bank generally deals mm -
personally and according to fixed rules, which it will not vary for personal con-
siderations. In such delicate transactions of greater importance thg this is a matter monly realize. Probably no one thing
has worked so much disaster in farming neighborhoods, or produced more bittermaking use of personal considerations in a farmer above three score probably not Who has had a reputation for business
capacity and integrity, who has not been
burdened more than once because burdened more than once because of his
reputation. Such men are always acceptscrupulous neighbors. In times past
they have continually been besieged by
reguests for favors of this kind, and he may regard himself as exceedingly for-
tunate who has never lost money in this
way. One of the chief advantages of a

THE GENERAL ANIMALS INS. CO. OF CANADA LIVE STOCK INSURANCE AGAINST LOSS THROUGH DEATH BY ACGIDENT OR DISEASES SPECIAL RATES for Registered Cattle and Horses, Short term insurance
at low rates for Show Animals. Feeding Cattle, Animals shipped by rail WRITE US FOR FREE PROSPEGTUSES
Address: THE GENERAL ANIMALS INS. CO. JOHN H. HARRIS, Inspector, 31 Scott Street, Toronto.

## FARMERS’ BUSINESS

For the past 54 years, this Bank has given particular attention to the business of Farmers.
We have helped many over the rough places, and have aided many more to the highest plane of success
We are prepared to extend you every aid within legitimate banking practice.
Come in at any time and talk over your affairs with us. You are always welcome.
THE MERCHANTS BANK Head Office: Montreal. OF CANJADA Established 1864


WRITE OR CALL AT NBAREST BRANGH.


## How One Farmer Carried the Bond Issue-

A$\mathrm{A}_{\text {gineer tells this } \mathrm{W} \text {.ory, and }}^{\text {WELL }}$ it's the best good-roads story we
ever heard. He says terrible need of better roads. The mud all through was so deep that it was impossible to use wagons, all traveling being done either on foot or horseback.
In spite of the need there was little enthusiasm for good roads when the Highway Board met. Everyone was afraid of the pre-
sumed high cost and increased
taxes.
A farmer in the back of the room arose. ain't fit to address a dignified meeting like this, but that's because I ve had to travel for ten miles over the kind of roads you give us.
ride horseback
Irive, I had to covered with mud;my trousers are covered with mud; my coat
is covered with mud; and if I hadn't stopped to wash it my face would

## mud

- 

"I look as if I had crawled here on my/hands and knees and I'm only half through because I've still got to go back, with five dollars worth of groceries thati I bought from brother Fletcher
"If there had been a good hard road that my old horse load of lumber that I've got ready, I would have bought twenty-five dollars' worth of groceries instead of five dollars worth, and there Liwould hav been that much.
in town to-night.
And the mud-covered farmer sat
down! Other speakers took up his case. They pointed out that good
roads were an ussel instead of a liability: an economy instead of an expense that they brought money into a tow
and greatly increased the markets. The result was that the Commis sioners enthusiastically passed a reso lution to issue bonds enough to giy
them several miles of good roads, Mud holes may look cheap, bu they are the costliest thing any com-
munity can have around. If you will build and maintain your roads wit Tarvia you will have dustless, mudless, rost-proof highways that cost littl
a max
Company
Limite
Mred



YOU BAIJT CIT OUT A ABoe spavin on but you can clean them of promptly with

## ABSORBINE

and you work Does not blister or remove the hair. $\$ 2.50$ per bottle, delivered. Wools AR free ABSORBINE IP. Book 4 R free. ABSORBN JR. the antiseptic liniment for mankind,
reduces Varicose Veins, Ruptured
 w. drucrive or delivered Made in the U. s. A. by

## AllowayiLodge Stock Farm

ANGUS COLLIES
A choice lot of Angus cows in calf to Queen's
Edward. Collie puppies A litter now ready. ROBT. McEWEN, R. 4, London, Ont.

## Aberdeen-Angus

## Meadowdale Farm

 Forest, OntarioAlonzo Matthews
H. Fraleigh

SUNNY ACRES
ABERDEEN-ANGUS
 some classy herd bul prospects, winners them-
selves and sired by champions if intrested in
Angus, write your wants. Visitors welcome. Railway connections: Lindsay, C.P.R. and G.T.R.
Springfield Farm Angus
 heifers safely bred to same sire $\underset{\text { R. R. }}{\substack{\text { Bell } \\ \text { Ro. } \\ \text { 5, }}}$

Kennelworth Farm Angus Bulls- The strong-


ANGUS CATTIE
We liave for sale. some nice youns bulls
secvice. Also fenalsurt \& SoNs
Aherdeen Farm. Hillsturkh. R.R. N

## Aberdeen-Angus



## Balmedie Aberdeen-Angus

Conservation of Wild Life.
That Canada, which once was nothing
but a vast happy hunting ground for the but a vast happy hunting ground for the
Indian and teeming with game and furIndian and teeming with game and
bearing animals, has now become country where stringent restrictions are often necessary to preserve the wild life
from from actual extinction, is a fact of which the seriousness is not generally ap
preciated. The condition is casually dismissed as being due to the spread of settlement and civization and is there certain aspects.
It is not necessary, however, that our wida re be exterminated and there are maky reasons that precautions should be
taken to prevent this. Let us remember that, in this respect, we are trustees for posterity in a very special sense, since
the injury we may do will be irreparable. the injury we ray do will be irreparable.
We ought also to recounize that our wild We ought also to recognize that our wild
life constitutes a natural resource of great present and future value.
Game is still a necessity for food purthousands of Indians. The fur-bearing animals constitute a resource which, in the last fiscal year before the outbreak of the war, provided exports valued at
$\$ 5,569,476$, while even in 1916 the exports $\$ 5,569,42$, ' $\$ 1,778,337$ In addition to amounted ox
the furs exported, large quantities are used in Canada and the severity of our winters makes it certain that this home
demand will be permanent. Further, it demand will be permanent. Further, it
will naturally increase with the growth will naturally inc
of our population
Mankind has other needs also than food to eat and clothes to wear. People need
recreation. There is no healthier form of recreation. .hare is which is carried on
recreation than that with red or gun or camera along the among the mighty mountain ranges. attraction of game, big and little, is of the most powerful fures that leads men into these heathful surroundings. Canada
is famous as a sportsman's paradise is famous as a sportsman s paradise,
She must not lose that pre-eminence. Her splendid stretches of unspoiled nature sptill within easy reach of her largest cities,
sta are perhaps the greatest
possesses over older lands.
The biggest difficulty in the way of wild life conservation is wholesale indiscriminate killing for commercial purposes or even, in some cases, from pure want has
lust of slaughter. Much complaint has lust of slaughter. Marct tribes of Indians are the egreatest sinners in this respect, but white men are not free from blame. If this ignorant waste is stopped in time
by well-enforced close seasons, the wild life can be resesrved and there will still be enough for legitimate taking. New Bruns-
wick is an example of a province wick is an example of a province
where this has been done and where the number and value of the game has actually greatly increased in recent years. But in
the Northwest the bighorn sheep and the wapiti and some other animals are as much in danger of extermination as the
buffalo and beaver. It has, therefore, been found necessary to prohibit alto-
gether for an indefinite period, the killing of certain species.
One of the most effective methods of preserving at least a nucleus of the game and other wild creatures is to provide
sanctuaries within which they shall never be molested. This has already been
done in the Rocky Mountains, Waterton done in the Rocky Mountans,
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## SPECIAL OFFER TO SUBSCRIBERS

This complete Kitchen Equipment. We have a very large stock of these and until th
supply runs out we will send one of them to any rexular subscriber, who sends us th
name of one New Subscriber with the sum of \$1..50. THESE SETS WERE FOMERLY GIVEN FOR TWO NEW SUB SCRIPTIONS. THEY WILL GO FAST AND WE CANNOT GUAR ANTEE DELIVERY INDEFINITELY

For One New Subscription.

Pancake Turne Basting Spoon, large Butcher Knife with
Stcel for sharpening Paring Knife, ard waved edge Bread Knife; all of bes ubberoid finish hand les of hardwood.

This premium subscribars in return shown by theirs :nding in the names of new
suscribers Farmer's
We do not give premiums to New Subscribers or for Renewal Subscriptions.

$\qquad$
 ame of sender
Came of New Subscrib

EXPENSE SAVED WANTED


## ABERDEEN-ANGUS

LARKIN FARMS
Pure Scotch and Scotch-Topped Shorthorn

SPRUCE GLEN FARM SHORTHORNS

Roosevel good story elt's first effort when he had u poem of Boza
'At midnight The Turk $w$ There his m tage fright and to start again: long. stop-" W on the platform school to hear: The writer Roosevelt's of Roosevelt's eter, that ck of prope rorld - to spea perhaps no ma ratic represen
vere gathered i Sunday Sch held shortly be hen unaccuste
3ut Mr. Roose
v more than
$\qquad$ en minutes fro he rear were he said.
One fe
$\qquad$ ork were ent s he was kno mportant funct
hat of public dis used to $\qquad$ the fact that egislators of the There are not fif
he heard comfo the galleries
$\qquad$ ne street, who seldom to insid is vastly impo
of the public sc it home on his $f$
knows and con he is at home o skates or in th
Three-fourths peaking is suff ay in intelligible e facts that he

Sheep Acco poem of Bozar At midnight When Greece完
 ong. stop-on the platiorn
 3

Roosevelt as a Speaker. A good story is told of one of Roosevelt's first efforts at declamation in school when he had undertaken the old familiar poem of Bozarris. He was lost in embarrassment on reaching the third line:-
"At midnight in his guardel tent, The Turk was dreaming of the hour When Greece her knee-
There his memory gave out through stage fright and he made several attempts to start again: "When Greece her knee"long. stop-"When Greece her knee"--The old professor said from behind on the platform loud enough for the whole school to hear: "Grease her knee once more, Theodore, and perhaps she will go." The writer recalls this familiar story of Roosevelt's beginning as a speaker to emphas ze $a=$ a warning to teachers who very generally neglect this matter of clocution, that Roosevelt was scarcely better at speaking at the end through lack of proper voice culture. I was present when he came home from his world trip-the best known man in the world-to speak to an audience such as perhaps no man ever faced before. The choicest men in our country and diplomatic representatives of other lands were gathered in Convention Hall, where a Sunday School convention had been
held shortly before, and at which even held shortly before, and at which even
women had been heard, and many laymen unaccustomedt to public speaking. But Mr. Roosevelt could not be heard
l,y more than one-third of his audience. I was just about that far from the front
and heard scarcely a word, and within and heard scarcely a word, and within
ten minutes from the time this world ten minutes from the time this world
hero had begun to speak the people in hero had begun to speak the people in the hall, unable to hear anything of what he said.
One feels as if the teachers who had opportunity to prepare this man for his great work were entitled to some exemplary
punishment for failing to train his voice punishment for falling to train his voice
as the was known to be preparing for public life, to discharge one of the most important functions of leading citizens, that of public discussion. Wendell Phillips used to , say: "This is a government by talking." The fact that such a warning as this story should give is needed is seen
in the fact that of the nearly five hundred legislators of the United States Congress there are not fifty speakers that can even ihe heard comfortably by the people in the galleries.
More than ever in this period of de nocracy, when the soap box orator of
he street, who is reaching half of the population that never go to church and seldom to inside meetings of any kind, nust be met with reason against rant, t is vastly important that every graduate of the public schools should be as much at home on his feet, to state the thing he knows and confute the demagog, as
he is at home on a bicycle or horse or on he is at home on a bicycle or a swimmer Three-fourths of the success of good speaking is sufficient practice to make man absolutely free from stage fright when he stands on his feet and able to y in intelligible and effective language he facts that he knows.

Sheep Account ànd Record Book M. Stansfield, of the Sheep and Goat

1) ivision, Live Stock Branch, Ottawa, ans recently prepared a Sheep Account
nd Private Record Book. This book will facilitate the keeping of breeding ccords and accounts. Sheepmen will ndoubtedly find it of much use to them. pace is allotted for the inventory of the lock, expenses, permaildings, shearing achines, shipping tank, etc. There eceipts from the flock. Two pages
re alloted to private records. It is Wided off so that the number of rams ind ewes, sex, private ear-tag, number, "gistered number, and special remarks
nay be tabulated. We understand that nay be tabulated. We understand that
nly 2 limited number of these books
nere ublished.

## MALTESE CROSS TIRES <br> Let your mind relax when you go motoring. Rid yourself of every cause of worry. Nothing kills joy as certainly as tite trouble on the road. Free your spirit from the clouding suspicion that your tires may give out. The one sure way is to equip your wheels with Maltese Cross Tiies. "The Tires that give Satisfaction" <br> By that precaution you are insured against the irritating delays and inconveniences caused by poor tires. Your tire troubles will take wings and fly away when Maltese Cross Tires go on your car. <br>  <br> GUTTA PERCHA \& RUBBER LTD. <br> Head Offices and Factory: TORONTO <br> Toronto. Fort William, Winnipeg, Regina, Saskatoon, Edmonton, Calgary, Lethbridge, Vancouver, Victoria.

## "Galt" Adjustable Barn Roof Lights



Provide both Light and Ventilation at a reasonable cost

These Roof Lights are shipped complete, including the glass. We manufacture everything in the Sheet Metal Line, and we manufacture only the best
"GALT" Steel Shingles
"GALT" Corrugated Sheets
"GALT"Ventilators Silo Roofs Portable Granaries, etc.
The Galt Art Metal Co., Limited
galt
ONTARIO

DUAL-PURPOSE SHORTHORNS

Shorthorns Landed Home ${ }_{\text {on June the }}^{- \text {My lat importation of and includer head landed at my fresentatives of thi }}$
 den. Whimple etc. Make your selection early
(All rallirads, Bell 'phone)
Glengow Shorthorns
 Shorthorn Bulls and Females ${ }^{- \text {Herd headed by Ruby Marquis, a son oo }}$ calves now coming are all by this sire. We are also offering a few females in call to him. Get out
prices before buying elsewhere. PRITCHARD BROS., R. R. No. 1, Elora, Ont
 Walnut Grove Scotch Shorthorns Establisidid 1 sand Giain



or in calf to Sylvan Power. We
D. HUNTER. EXETER. ONTARIO


## GUERNSEYS

 FOR PROFIT
## 

 B. P. HILL \& A. N. FAULKNERSUNNY SIDE HEREFORDS


Tractors and Threshers

waterloo boy
The Simplest, most Accessible, most Powerful
3-plow Tractor on the market. 3-plow Tractor on the market.
silitable tor hauting . Plows, Threshing, Si:o
Filing and Gencral Farm Work.


Individual Farmer' Threshers, suitable size to
be diriven by samal Tractors and Gasoline Engines.
Do be driven by smanl Tractors and Gasoline Engines.
Do your own threshing.
Keep your farm clean and save expense.
Write for free catalogue, prices and any information wanted.
THE ROBT. BELL ENGINE \& THRESHER
COMPANY. IMIED, Seaforth Ontarlo Also Steam Tractors, and large size Thresher

| ANTICIPATION REALIZATION |
| :---: |
| Good Shorthorn Bull |
| I have a few imported ones ready or service, as well as several of my own breeding. The WILL A. DRYDEN |

English Dual-Purpose

## Shorthorns

English bred for milk and beef. The right kind to head Canadian herds to in-
crease profits. From very moderate crease profits. From very moderate
prices and up. English Large, Black prices and up. English Large, Black
Preat bacon type, long and

LYNNORE STOCK FARM F.
Brantford

Mardella Shorthorns



I HAVE FOUR CHOICE SHORTHORN BULLS
All are of serviceable age and from good milking
Dams. They are sired by my forner Wedding
Cith herd sire which was aon of Broadooks
Prince. Also have younger calves by present herd
sire Primrose Duke as well as females bred to
him inguiry invite. Write me also for any-
thing in
A. A. COLWworth .Farm adjoining Village. Bell
Shorthorns For Sale
Sy King Dora (imp.). aso some heifts i
King Dora (imp.) Their dams are good
SOCKETT BROS.
R.R. No. 5 Rockwood, Ont.

Maple Leaf Farm
cows in calf horns
cond choice
son of hall calves.
Bownanville all railroads.

Please mention Advocate

## Closest Skimming

is only one of the many merits of the STMPLEX Crean Separator. Cream lost in the skim milk is money thrown away, it's just like losing a few pounds of

## Simplex Cream Separator (Link Blade)

Just think what this saving will mean to you over period of months or a period of years. The SIMPLEX
saving money for you at every operation by close skin saving money for you at every operation by close skim
ing, it's just like added interest to your savings account

The large capacity, ease of running, ing bowl, interchangeable spindle point, , SIMPIFX make ing apavorite with all dairymen

Write us to-day and let us explain how you can get rid of all your separator troubles.
D. Derbyshire Co., Limited Brockville

Ontario


| Imported Shorthorns |  |  |
| :---: | :---: | :---: |
| SIRES in SERVICE; |  |  |
| Imp. Collynie Ringleader (Bred by Wm. Duthie) | Imp. Clipper Prince <br> (Bred by Geo. Campbell) | Imp. Orange Lord (Bred by Geo. Anderson) |
| We are offering calves at foot or imported bulls age. If intere | ge selection in import alf. A few home-br home-bred bulls, all write us, or come an | emales with females, 19 f serviceable ee the herd. |
| J. A. \& H. M. PE <br> Burlington Jct.., | IT - Fr <br> ., half mile from farm. | man, Ontario <br> e Burlington. |

## The Salem Herd of Scotch Shorthorns



A. WATT

Elora, Ontario
The Plaster Hill Herd of Shorthorns

 ross martindale, caledonia, ont.





## SHORTHORNS, CLYDES


WILLOW BANK STOCK FARM
SHORTHORN CATTLE and LEIGESTER SHEEP. HERD ESTABLISHED 1855-FLOCK 1848

SOUTHVIEW FARM SHORTHORNS



## 118

LEX Crean oney thrown butter every
rator

## Remington Unic



## CREAM

We are buyers-still paying war-time prices and giving our shippers something even more important
SATISFACTION. Ask any shipper or any banker. TORONTO CREAMERY COMPANY, LIMITED Church St., Toronto, Ont

## Highland Lake Farms

R. W. E. BURNABY - JEFFERSON, ONT

Montrose Holstein - Friesian Farms THE HOME OF $20,000-L B$. COWS
Write us about our herd of $20,000-\mathrm{Ib}$. R.O.P. producers. Every one is a choice individual- the breed-
ing is choice, and the are
We 29 Pourads Butter- 103 Pounds Milk
This is the seven day butter record and the one day milk record of the dam of my last bull of serviceable age-an exceptional bred youngster and a choice individual. Also have a month old bull
shose dam and sires sdam average 34.36 lbs. of butter in 7 days, 135.07 lbs. of butter in 30 days and 111 lbs. of milk in 1 day. If you want bulls of this breeding I can save you money.
D. B. TRACY $\begin{aligned} & \text { HAMILTN } \\ & \text { HOLSTEINS OF OUASE }\end{aligned}$ Cobourg, Ontario. Raymondale Holstein-Friesians

 RAYMONDALE FARM
D. RAYMOND, Owner

Questions and Answers. 1st-Ruestions asked by bona- fide subscribers
o. The Farmer s Advocate" are answered in this


 Miscellaneoun.

Ground-Hogs.
How can ground hogs be killed? Ans.-Saturate a cloth with carbo
bisulphide and place it in the burrow This forms a poisonous gas which heavier than air, thus settling to the bottom of the burrow and killing all life
therein. This substance is very in
flammable and therefore care should be flammable and therefore care should be
exercised in handling it.


A Cribber
I have a four-year-old mare that is a
cribber. Is there any way of curing
her of this habit? her of this habit? Lr L. R. S. have a strap buckled rather tightly around the neck at all times. Driving spikes mare cannot grab a hold of the wood,
may stop her of the habit when in the
stable. Miscellaneous.

1. Moles are tunnelling lawn and
flower beds. How can I best get rid
 ly covering peony buds? Have used
hellebore also black leaf 40, without the least effect. How can they be
destroyed? and after a while die. Have found
grubs in the soil. If grubs are the cause Ans.- The common way of combating
moles wherever they are sufficiently abundant to require combating - a state
of affairs which is rare in Ontario -is to

## ORCHARD LEIGH HOLSTEINS

5young bulls- 5 months old-well marked-good individuals. Dam of No. 1.
29.20 lbs . butter in 7 days, 100 lbs . milk in one day. Dam of No. 2. 22.08 lbs . butter in 7 days. Sire's dam 34.98 lbs . butter in 7 days

CURRIE \& SON
Hospital For Insane, Hamilton, Ontario
We have yearling grandson of King Segis Alcartra Spofford-a splendid
individual. Also fine bulls of younger age, prices reasonable Apply to

Manor Farm Holstein-Friesians If it's a herd sire you want, write me. I have sons of both my senior and junior sires, King
Segis Pontiac Posch and King Korndyke Sadie Keyes. All from good record dams. Choice bull calves at present to offer average for
seven days.
Correspondence solicited. Visitors welcome.

GORDON S. GOODERHAM, Clarkson Ont. son and Oakville. Torm on Toront and Hailt We have six from 7 to or monthe mold, sired by King LLons Colantha, the records of his six nearest
dams average 30.10 lbs. butter in 7 days, and by King Ly ,ns Hengerveld 5 nearest dams average 31.3 ,


 RIVERSIDE HOLSTEINS-CHOICE BULLS
 J. W. Richardson, WINDEMERE HIGH TESTING HOLSTEINS
Herd headed by Hill-Crest Rauwerd Val-Sire Hill-Crest Ormsby De Koli; dam-Hill-Crest Pontiac
Vale the former Canadian Champion 22,785-1b. four-year-old. We have young thin gs bobth sex) from
 I. Have Holstein Bulls and Females at right prices. The bulls. $\begin{aligned} & \text { are from good record } \\ & \text { dauhters of Louis prill Rouble Hartor, and }\end{aligned}$ sired by Baron Colantha Fayne. a son of Canada's girst $33-\mathrm{lb}$. cow. The females are of much the
same breeding If you want Holstrins. ret my prices.

- T. W. McOUEEN. Oxford Countv, Bell Phone. Thllsonburg. Ont. WALBURN RIVERS \& SONS
ingersoll. ontario
Holstein Bulls

If you would write to E. W. 'Nelson, Bureau of Biological Suryey, Departmen
of Agriculture, Washington, D. C and ask him for a ccpy of Farmers
and Bulletin 832, you would find there a
description of the methods of description of the methods of trapping
and all the types of traps used.
No bait is used in connection with these
traps. They are not the same as the ordinary traps for catching mice
though they are of a somewhat simila nature.
The cause of ants persistently covering
peony buds is that they are attracted peony buds iny substance that occurs on the protecting envelope of the buc
before the buds open. The ants are doing no damage to the plants and are
merely feeding upon this attractive substance. controlled in my experience by the use of tartar emetic, a white powder whic
should be mixed in the should be mixed in the preportion o
about $1 / 2$ teaspoonful in. $1 / 4$ cup of honey Molasses or any syrup would also do but the honey is preserable in that
does not dry out quickly. The poisoned liquid is placed in very small quantities just a drop or two, here and there
wherever the ants are found running wherever the ants are found running
Usually in two or three days they will have disappeared. The liquid may be put upon little pieces of cardboard or
upon small pieces of shingle upon small pieces of shingle or on a
chip, and thus not come in contact at
all with the wood work or the floor if there is any objection to such contact
As to the leaves of pansy turning As to the leaves of pansy turning yonswer can be given without seeing
specimens, also specimens of the grubs specimens, also specimens of the grubs
that are reported as being in the soil around these pansies.
"L-1-look here," said the stutterer at the horse sale, "that's a n-nice horse,
m-my-m-m-man! How much d-do you
want for it?" The owner looked his want for it?" The owner looked his
animal over lovingly. "And a beauty he is, sir," he urged; "a horse I can
throughty recommend. But you must
make the offer " "Well." sid make "I'll \&.g-give, you ff-f-f-1-1
terer.
"Forty pounds? "Done!" said the dealer Forty pounds? "Done!" said the dealer
"G-g-good!" closed the stutterer. "I w

EMiplicict Mil the foundation of efficieccy Simple and correspondingly Efficient.
They do their work perfeccly, with the least posible effort on the part of the operator and the grealest poasible comfort to the cowss they
get the most milk, of the best quality in the get the most milk, of
Send wa a posal for the Empire Catalog
and leam about "he Modera Milking Mehod.'
The Empire Cream Separator Company of Canada, Limiled
146 Craig Street West Montreal EMPIRE

Messrs.A.J. Ilickman\&Co





## Just JERSEYS <br> saldurins <br> COATICOOK, QUE

Jerseys and Berkshires
 rand champion Berkshirite boars. If you need in and frices.
Hood F $A R M$, Lowell. Mass.
Edgeley Prince Sunbeam " 5450 "



## G. A. Jackson

Downsview
Choice Of
Ofering in Ayrshires

Glencairn Ayrshires -H e rd establishted


City View Ayrshires


## Qutestions and Knswers

 Miscellemeous.St. John's .Wort
1 am enclosing a weed which I find growing along the fences. What the name and is it a bad weed? A. S. Ans, - This weed is known as St
John's, Wort. The plants may be very numerous along the fences and sometimes in pastures, but they are seldom trouble some in cultivated land. This weed is perennia and produces running root stans. In waste places, repeated cut ling wileridate it or thorough cultiva

> Closing Road

Have the county council the right close a public road to rebuild a bridge and deprice a man of when he has land on both sides of the place in question,
and cause him to drive 6 miles when one would do had he the use of the said road, and when a road could have been pro-
cured for the sum of $\$ 25$ ?
A. M. Ans.-We think that they have the at same time, to give you compensation. Cutting Asparagus. I have an asparagus bed which
-have been cutting since May 14, but have been leaving a lot of fine stuff.' Is that sood practice? Is it time to stop cutting? Ans.-After the third year, cutting
may continue from six to eight weeks It is not advisable, however, to unduly
prolong the cutting season, tus it prolong the cutting season, as it tends
to weaken the plants. It is a common practice to spread manure between
the rows after the last cutting to assist the rows after the last cutting to assist
in building up strong crowns for next year. Faulty Ignition.
I have a light-six touring car and
have trouble when starting it. While running, the car will slow down and stop without any apparent reason. The only way I can get the car to run is to put an extra wire on the end of the gener
ator and to the end of the coil. What is wrong with the ignition? W. G.
Ans.-There is no ground in connection
with the breaker. Take off breaker arm and screw assembly, and clean them thoroughly. Then reassemble with care There is a dirty connection somewherc
and this is causing the trouble.

## Fixtures

I sold my farm to B and
was a short form agreement drawn up
between us, but when eaid agtremene drwent there was no special mentio
draw
made made about storm windows and screen
doors which were on at time of sale. $B$ and $C$ objects to my removing them. The conveyancer that drew said agree-
ment, says that the word aipendage ment, says that the word appendage
which is contained in the short form gives B and C a legal right to the above mentioned
they belong
Ans.-Judging as well as we can or
this case from your statement of cir cumstances we are inclinement the viev
that B and $C$ now own the windows and doors mentioned

## Gas Plant

We are enclosing a plant with a purple
flower which grows at the end of a tal spike . What is the name of it? We
would like to purchasc sted to soty garden. The plant with the A. Sompoun ashl-like leaves and large panicle o put isi tovers is is usually y ralled gas
In this country
plant plant on account of the fact or belic
that when opening in warme sultr
went weather it enints gas which it touched by a
match makes antight puft of flame,
mat the old country it shares with two match makes a slight puft of flame
lat the old country it shares with two
ather wlunts the name of Dittany It ether plants the name of Dittany. It
is said that in some parts of Europe the planting of a piece of the root o
clump) of dictamnus. is part of the terentony of establishing a new home
It grow irom seed if planted on maturing It grows rom seed it planted on maturing,
ponnimatres the following sprian and
ingin


## Summer Advantages

 of the DE LAVAL

The superiority of the De Lava ream Separator is more apparen and is more appreciated during the summer months than at almost any ther time of the year

Farmers appreciate the De Laval during the busy summer season be cause of its large capacity and the fact that it is easy to turn and easy to clean.

With a De Laval, the milk is taken care of in the shortest time and with the least effort both important in hot weather when
a number of other things have to be done.
Quick handling of milk and cream in hot weather main tains the highest quality of both, and often means the difference between profit and loss.

Over $2,500,000 \mathrm{De}$ Lavals are in daily use the world over-more than all other makes combined. More than 50,000 local agencies look after the needs of De Laval users. If you don't know the De Laval agent in your
community, write to the nearest De Laval office.

THE DE LAVAL COMPANY, Ltd. LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA. Sole manufacturersinCanada of the famous De Laval Cream Sepa
and Ideal Green Feed Sillos. Aph Gas Enines. Alpha Churn
Catalogues of any of our lines mailed upon request. MONTREAL PETERBORO WINNIPEG VANCOUVER

## PROSPECT FARM JERSEYS


 R. \& A. H. BAIRD, R.R. 1, New Hamburg, Ont

## Brampton Jersey Bulls

 B. H. BULL \& SONS

BRAMPTON
The Edgeley Champion Herd of Jerseys
 Edgeley $\begin{aligned} & \text { His two grandams won } 1 \text { 1st at Guelph, in aged class, in } 1916 \text { and } 1918 \text {, and on re-test in } \\ & \text { months have } \text { given } 9.000 \text { lbs. of milk, and are giving } 47 \text { lbs. a day now. He is a double grandson of the }\end{aligned}$
Chat Champion cow, Sunbeam of Edgeley, Anybody interested please write at once.
James Bage \& Son, (Woodbridge, C.P.R.; Concord. G.T.R.) Edgeley, Ontario
The
Woodview Farm CANADA'S MOST BEAUTIFUL JERSEY HERD

 No. PRINGLE, Prop. winning cows. Also some cows

Homestead Farm R.O. P. Ayrshires
 Westside Ayrshire Herd - I can price females with records up to $12,000 \mathrm{lbs}$. milk, and hav now King, and closely related to Briery 2nd of Springbank and LLdy Jone on his sire's side.
wo young bull calver, with dams kiving 65 lbs. per day in mature class and 45 lbs. per day as 3 -ve.

Benefici
Perhaps th exists betwe
cendency of erosion. Th tres preven
the soul as it which they snow in the s
forest soil act absorbs large n turn are pa
of finally the
fallen twigs, fallen twigs,
trees acts as prevent rapid
off from fores of frot fores
amount and
similarly situ steeper and $m$ the more mar course, inevit
When the brush, and lit this is more
wise, since o are washed a
n the more the more y fire, des or agricultur infertile nate
greatly and constructive structive forc
capable of doi As $W$ From the st
the tendency the tendenc
prevent er
portance portance.
must be
supplies, supplies,
they are danger of si
brought dow prought
posited in
and cons just so much so when, a
no other satit able and the Water h
material of
and increas and increas
diversion da
and other it is applied, by burying it gravel, bould
debris. Exces
seriously with seriously with
streams with in their lower
into which the The actionsurface run-of
the flow of str
away in unc water is absor of mineral soil,
paid out to the
tends to decrea tends to decrea
and to increas
130 .h Both results
in the high wat
is less danger less waste
the increase that a larger
during the
ticularly nee icularly nee
fow that to flow that to a
the availabilit electric develop
will increase will increase
factor of prime
D) "What are
MMrs. Johnson.
"We have tr
cules" answer
"I hope you
Practice const
"I tried to get
",ut he could no

DATI A. ASHWORTH, Denfield, R. 2, Middlesex Co., Ont

July 3, 1919
Beneficial Effects of Forest

## Cover.

Perhaps the most obvious relation that exists between forests and water is the
tendency of the tree cover to check erosion. The leaves and branches of the
trees prevent the rain from beating upon rress prevent the rain from beating upon
the soul as it does in the open ; the cover which they afford delays the melting of snow in the spring; the upper layers of the
forest soil act as forest soil act as an enormous sponge that
absorbs large quantities of water which in turn are e passed on to the great reservoir of mineral soil underneath; and
finally the surface cover of stumps, fallen twigs, branches, and even whole trees acts as a mechanical the surface runoff from forest areas is less, both in total amount and in velocity, than that from
similarly situated unforested areas steeper and more rugged the topography, the more marked is this contrast.
In hilly country In hilly country some erosion is, of
course, inevitable under any conditions When the soil cover of trees, under brush, and litter is kept intact, however, his is more often benecicial than other
wise, since only the lighter soil particles are washed awav, to be later deposited in the more level lands below, adding to their fertility. But when this pro-
tective cover is interfered with, whether by fre, destructive lumberino, whet over yrazing, or injudicious clearing of land for argiculture, the proportion of coaser,
infertile materials washed away increases greatly and transforms erosion from a constructive intor a dangerously de-
structive force difficult of control and structive force, difficult of contrin
capable of doing untold damage.

As Water Users See It.
From the standpoint of the water user
the tendency of the mountin forests to prevent erosion is of the utmost importance. Wherever storage reservoirs
must be tused, whether for municipal supplies, irrigation, or water power
they are exposed to the ever-presen danger of silting up. Every bit of soil
brought down by the streams and deposited
and consequently
ins their effectiveness by just so much. This sedimentation is
serious under any condition, but douts so when, as not infrequently happens, able and the reservoir can sot be replaced
able
at a reasonale Water heavily laden with eroded
material often decreases the efficiency Mmaterial often tecreases of maintaining
and increases the cost
diversion anms pine diversion dams, pipe lines, flumes, canals,
and other irrigation works. Sometimes such water damages the eropos, to whinh
it is applied, and not infrequently it seriousl ininjures or even ruins the land
by burying it under a mass of sand
bit hy burying it under a mass of sand,
gravel, boulders, and other infertile
delbris
Excescive arosion the seriously westh neverostion may interiere filling the streams with material which is deposited
in their lower reaches and in the harbors in their liower reaches a.
into which they empty.

Even-Flowing Streams.
The action of the forest in reducing
surface run-off tends also to surface run-off tends also to regulatc
the flow of streams. Instead of rushing away in uncontrollable torrents the
water is absorbed into the great teservoir
at of mineral soll, from which it is gradually
pain out to the springs and streams. This
tends to tercease the hhe wh tends to decrease the high water run-off
and to increase the low water run-off. Both results are good. The decrease
in the high water run-off means that there is less danger of destructive floods and
less waste of valuable water; while the increase in low water run-of means
that a larger supply of water is available during the dry season, when it is particularly needed. It is the lov water
flow that to a great extent determines for municipal use, irrigation, or hydroelectric development, and anything which
will increase this flow is therefore factor of prime importance. -By S. T.
DIXA IN CANADIAN Forestry Journal.

## bire



## It Guarantees the Harvest

You have only a few precious days in which to cut and stock you crop so your whole year's work may well depend on the reliability of your Binder. That's why wise farmers buy the


## FROST \& WOOD BINDER

 many years, and under all kinds of many years, and under all kinds of Canadian crop conditions as "theBinder that is always ready-and Binder that is always ready-and
able to get ALL the crop." It's able to, get ALL the crop." It's "ready" because its simple, supe rior, scientific design and its high grade
materials keep it out materials keep it out of the repair shop-
and it "gets all the crop" because it is so easy to operate that fast, clean work is al easy to operate that fast, clean work is al
ways possible with it.

## LIGHT DRAFT - SURE CUTTING AND TYING - DEPENDABILTTY

Its big power wheel and strongly braced steel frame ensure ample strength-high grade roller bear
ings at all friction points ensure light draft-a wide range of adjustments of the real ensures that


The Frost \& Wood Co.
Montreal SMITH'S FALLS St. John
Sold in Western Ontario and Western Canada by

Cockshutt Plow Co. BRANTFORD, ONT.


Our Prices Are Highest-Let Us Prove It.
Before selling your
you have and bree
Address as follows:


FOR SALE

OXFORD DOWN SHEEP

two shear rans. Flock headers
Wess breeding.


(i)
ELMHURST LARGE ENGLISH BERKSHIRES

KNIGHTON LODGE YORKSHIRES FOR SALE

Young Yorkshire Pigs For Sale

Write us also regarding your next herd sire. We have them from great milkinz dams dame hall bood fam initice
When writing advertisers please mention Advocate

## Five out of Seven American Housewives

now use what are known as combination or double acting baking powders. This style of baking powder has two actions. It acts first when cold water or milk is added in the mixing bowl. Its second action requires the heat of the oven. This strong, double leavening power is what is needed for the heavy Government Standard flour in use today.

## EGG-0 Baking Powder

is a pure, strong, double-acting baking powder that Canadian housewives are finding just right for their
baking. It bakes light, easily-digest baking. It bakes light, easily-digest-
ed, deliciously flavored ed, deliciously flavored bread, cakes and tea biscuits.

If you are having trouble with your baking, try Egg-O instead of the ordinary baking powders. You'll be delighted with the results.

Egg-0 Baking Powder Co. Limited<br>Hamilton, Canada



AT DEALERS EVERYWHERE

[^2]
## Our School Department.

The Story of the Plow You have seen your fathers or brothers plowing in the fields, and are doubtless
so accustomed to this commonplace so accustomed to this commonplace
farm operation that you may think that farm operation that you may think that farmers always had horses, harness and plows like we have to-day. But plowing
the fields was not always the simple the fields was not always the simple
and easy thing it is now. A long time ago the farmers had no horses, but had to use slow, clumsy oxen instead. They had no leather harness, but used willow branches twisted into thongs with which to hitch the oxen to the plow. They had no steel plow like your father's, but used
a ccrooked stick as a substitute. The a crooked stick as a substitute. The
first plow was a pig's nose. Not that
cover the weeds and grass as a good plow hould do.
A-peculiar custom in some countries tails of the horses or oxen. They had no harness-makers such as we have, and leather harness was unknown. So tying the plow to the horse's tail was about as handy and cheap a way of "hitching up
the horse or ox as could be thought of After a while people began to see that this was a cruel practice, and laws wer passed making it a crime to plow in thi manner. About the time the first houses were built where we now have the city of Montreal, an Irish Parliament passed by the Tayle," which declared that any person plowing by hitching the plow to the tail of any anima should be fined and im The plow of those days left the soil lumpy, and the farmer or his sons broke up the clods with a club. One of the reasons for plowing is
to make the soil fine and to make the soil ine anc do to leave the ground all lumps.
A lumpy soil will not germinate seeds well, for to make seeds come up quickly
the soil should be fine enough to touch the seed on al the farmer plowed with a pig's nose, but sides. A lumpy soil will not grow the first plowing was done by pigs as they rooted over the soft earth in search
of juicy plant-roots or fat grubs. The farmer of long ago noticed the efficient manner in which the pigs turned over
the soil and tried to imitate them. He cut down a small tree and trimmed off all but one branch, leaving this one about two feet long and sharpened on the end, A long stick was fastened to the trunk and the plow was ready to use. This was dragged up and down over the area it was sufficiently loosened to give a covering of soil for the seed to be sown. The only reason given for plowing of earth for the seeds. It was soon found, however, that the weeds got thicker and thicker after each crop, and as years
went by and the field was plowed again and again the soil became harder to work. It would be very sticky when wet the plants were greatly injured by the dry weather. stick-plow did not turn the weeds and and die, neither did it turn up their and die, neither did it turn up their
roots to be killed by the frost. Neither did the plow crumble the soil as do the plows we now use; nor did this stick-plow oosen the soil to any great depth, for had the soil been worked deeper it would
have held more of the rains find it difficult vater. In Ont to obtain focd and leave the soil the fall, little soil grains apart, the lumps fall to pieces, and the following spring where we had lumpy soil we have a loose, casily-worked soil layer. So in this
country the frost does the work of break ing up the clods which the farmers' sons had to do in the olden time
All the plows we have been telling you about were made of wood, but they used
to break easily and would wear quickly, so some one made one parily quickly, so some one made one parity
of iron, placing the iron on the parts of the plow that used to wear out first the other parts were still made of wood. Later the plows were made of iron except the handles. But a peculiar thing happened. You may remember
hearing your grandfather tell how that hearing your grandiather tell how that
when stoves first came into use they were looked upon as something which would poison the air in a house, using up the good air and giving off air not fit to breathe. He might also tell you how that oil lamps were expected to explode people would sit.away back from the people would sit. away back from the
table awaiting the calamity. These may seem queer ideas to you, but a new and useful idea is oftentimes ridiculed, and so it was with the iron plow. Some
farmers said it made the weeds grow, and the plants would not
have died of thirst in the

$\qquad$
$\qquad$
$\qquad$
 constructed and gives but sure to find that nation lacking in agricul mers not very comfortable. I suppose this
shows that the man who is a und is a careful plowmen in armer girl who would have a good garden must
spade and hoe the ground carefully and But even if these farmers of long ago
had a poor plow they at least had grasped the idea suggested by the pig's nose,
and many improvements were soon made in the shape of the plow, which increased its usefulness. But for many years the
plow remained at hest a clumsy implement which served to stir the soil to
only a very slight depith, and did not
he First Type of Plow with Moldboard others that it poisoned the soil, and
many refused to use it However this strange opinion soon-'ied out, and the wooden plows can now 5c found only in our museums.
And so to-day the plow your father uses
is the result of 4,000 years of slow imis the result of 4,000 years of slow im provement, from the crooked stick
that only scratched the ground implement that pulverizes the soil and exerts a more important influence o
the productiveness of a soil than an other single tillage operation. As result of all this your father works more land and grows better crops, and you
live in more comfortable homes than did the early farmer and his family

# Th <br>  

WE OFFER A PLAN

## To Help Your Neighbors－To Help Yourselves－To Help The Farmer＇s Advocate and Home Magazine

IN THE WORK IT IS DOING FOR CANADIAN FARMERS

You can help your neighbor by sending us his name as a new sub－ scriber to The Farmer＇s Advocate，enclosing $\$ 1.50$ to pay for his first year＇s subscription．Reading The Farmer＇s Advocate will enable him to save time and money and to make more money from his farm than he did be－ fore．His whole family will enjoy reading the paper，as every issue con－ tains interesting and instructive material for father，mother and the younger members of the family．

You can help yourself，as for every new name you send in as described above we will credit you with four months＇subscription FREE．For three new yearly subscriptions you would get a year＇s FREE SUBSCRIPTION．

You can help THE FARMER＇S ADVOCATE in its work，as every additional reader means one more Canadian farmer who will be kept in close tauch with all that is being done to improve farm conditions and methods．

Farmers do not get a fair return for their labor，and the money they have invested．And The Farmer＇s Advocate for many years was the only paper devoted to making conditions more favorable for the farmer，and now it is the foremost paper in working for needed reforms and steadily fighting to bring these into force．

[^3]


[^0]:    sarifice the likely-leaking heifer calven on
    It is not too late yet to sow a small field of rape if
    Wie read in a daily paper that "very few farmers are

    This is an opportune time to get rid of the poor havers. Many of them have already "eaten their

    After the European war Villa cannot get much neaver the front of the daily papers than the sporting

    The Cost of Living Committee has unearthed considerable information, but what is going to be done about This Committee has a splendid opportunity to

    No one seemed surprised when the Germans failed (1) fuitili the terms of the Armistice by attempting to
    $\qquad$
    How would it do to appoint one of our high-profit him show furmers how to make more than a meagre

    We have heard considerable about the inflation of currency leing responsible for the high cost of living, lut, having in mind a large propot tion of the evidence
    given before the Cost of Living Committee, one canSivel beelore the cost but think that the infation of profits has more

    Accordings to official reports, the surplus of clover vetd on this cont tient is practially exhausted. Consith rabte seed is usually produced in Western Ontario,
    put the dry weather last scason injured the stand so the "ut took is nonce too good there. Ansone with a clean Mut look is none too good there..A. yone with a clean While the latoor question and serious unest may rppear hen a city problem, it it italy concerns the
    unner.
    Indutstrial depression will react against the urrul futt as aerreuttural failures or depresions will turruers are weeng affected oy, the lanor situat ion just
    $\qquad$
    $\qquad$
    $\qquad$
    $\qquad$
     hist increass they did not tigure on the price of bread last increase they did not higure on the pfice on bread
    atvancings, and they are now no better oft than before; at vancing, and they are now no better off than belore; another inctese is in orcer, tut that men, so they must we still nurere wiges and bread nuust cost still more. This is not ra actual cases it is only a parallete. Inreased wayse mean increased invint costs the laborre

[^1]:    It is hardly neessary to mention that we have

[^2]:    Let Us Know Your Brick Requirements Now隹
    We can ship Now, from full stocks of Red and Buff Presed, or the
    famous Milton "Rug" in varied shades. Let us know your needs MILTON PRESSED BRICK CO., LIMITED
    -
    

[^3]:    －ーーーーー一一 WHEN SENDING NEW SUBSCRIPTIONS USE THIS COUPON
    THE WILLIAM WELD COMPANY，LIMITED，LONDON，ONTARIO
    Gentlemen：Enclosed is． $\qquad$ Value \＄．
    to pay for the first year＇s sub－
    1 scription to The Farmer＇s Advocate and Home Magazine，for the following new subscribers．Please advance the date on
    I my label．
    Name of sender．
    Name of new subscriber
    Name of new subscriber．
    Name of new subscriber．

