## PUBLISHED EVERY WEEK. \$1.50 PER YEAPR



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## The Understudy of the Sun McClary's Sunshine Furnace

HEN Old Sol swings low and far awtay be appoints an understudy for the purpose of keeping Jack Frost where he belongs-outside.

Years ago McClary's "Sunshine" Furnace, by reason of its marvelous heating capacity and the balmy June air it suffused the house with, was specially appointed Understudy to the $£ u n$. That appointment has been confirmed year after year, andyour "Sunshine" Furnace-Jack Frost's Master awaits your orders for the coming winter.

Remember the past winter-the Frost King was very active-He battered us with a three-months' siege of snow and ice-Almost conquered the thermometer by conquered the thermometer by
chasing the mercury out of sight. But he failed to penetrate thousands of homes, because the Understudy of the Sun - McClary's "Sunshine" Furnace-was on the job in the cellars of these homes.

It's easy to keep Jack Frost at a safe distance with the "Sunshine" Furnace. He may storm and rave outside, but there is no and rave outside, within-because the Understudy of the Sun has demonstrated its mastery in the home.


The average furnace is a glutton for coal-it literally burns up money. The "Sunshine" Furnace saves money-earns its cost in a very few years, because it burns coal sparingly. Call on the McClary agent of your locality and ask him to prove that statement true. If he cannot convince you-show you that the "Sunshine" Furnace will cut your coal bills by a very pleasing margin we don't want your order. That's the fairest way we know of doing business-does it appeal to you?

There are a multitude of reasons why the "Sunshine" Furnace does save fuel-reduce coal bills-reasons that will be printed in the following advertisements. Here is one that should make you call on the McClary agent at once-the "Sunshine" Furnace has four radiating surfaces - surfaces that gather up the heat greedily and diffuse it liberally all over the house.

But-you just call on the McClary agent and ask to be shown. If you do not know him write us at our nearest address and we'll tell you.

You certainly owe it to yourself to find out why McClary's "Sunshine" Furnace is called the "Understudy of the Sun.

LONDON
TORONTO
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Extra Serviceable


Canada's Great Eastern Exhibition

AUG. 311912 SEPT. 7 SHERBROOKE, QUE.
Magnificent, Unsurpassed Farming Exbibits. Grand, Unrivalled Attractions.
25c, General Admisision 25 c .

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| Because there are millions of acres of agricultural land in Northern Ontario in some cases free, and in others at 50 cents per acre, excelling in ricbmess any other part of Canada, blessing and waiting to bless the strong, willing setler, especially the man of some capital. <br> For information as to terms, bomestead regulations, special railway rates, etc., write to |  |
| ze. A. mazacciomen TORONTO, <br> ONTARIO |  |
| HON. JAS. S. DUFF, Mintater of Agrtculture |  |
| 1he | Build Sllos, Dwelling. or any class of building trom Concrete Block The London Adjusta |
|  |  |
|  | Mocerate pricei |
|  | Concrete <br> Tell us |
| LONDON GONGREIE MACHINERY CO., Dent. B. London. Ont. |  |

Pump Water, Saw Wood, Grind Grain, Churn
and do many other laborsaving tasks with the Barrle Englne. Will pay for itself quickly by saving valuable
time for you. Strong, time for you. Strong,
rugged construction. So simple a lad can run it Sure in action. Economical in operation.
needs one.
Wríte for bookle Barrie Engines D- AGENTS WANTED Stationary or Portable; 3 to 100 h.-p.,.for THE CANADA PRODUCER \& GAS ENGINE CO,, LTD. Barrie, Ontario, Canada
Dlstrlbuters: James Rae, Medicine Hat; Canada Machinery Agoncy, Montreal ; McCusker Imp. Co., Regina; The Tudhope Anderson Co., Ltd., Wimipes, Calgary, Edmonton, Lethbridge, Saskatoon and Resina


CANADIAN PACIFIC RAILWAY UPPER LAKES HOMESEEKERS' NAVIGATION
Steamers leave Port McNIcoll Mondays,
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Winnipeg Exhibition "
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FOUNDE1) 1866

## Flies!

 Flies! Flies!Get rid of them and help make your home and premises sanitary by the liberal use of Tanglefoot Fly Paper. There is fully one-third more compound per sheet on Tanglefoot than on any other fly paper; hence it lasts longest, catches the most flies and is the best and cheapest fly paper. If you ask for "fly paper" or "sticky fly paper" you may get a cheap imitation that will soon dry up or glaze over. Ask for Tanglefoot.
Sold by Grocers and Druggists.
TREE TANGLEFOOT, put up in $1,3,10$ Will protect your 20 lb , cans,

## "BBaizer"

 WYindEingines Are built for hard, steady workand keep at it year in and year out.


T is the reputation which "BAKER" Wind En-
gines bave fairly 1 gines have fairly won and steadily held ever







 THE HELLER-ALLER COMPANY Windsor, Ontarlo


EARN \$25 T0 \$100 A WEEK





INVENTIONS
 MENTION "FARMER'S ADVOCATE"

## FIREPROOF COW STALLS

DYOU SEE THESE CUTS? They show the barn on the Boys' Farm and Training School, Shawbridge, Quebec. It was built last year and equipped with 30 BT Steel Stalls. On April last fire broke out and devoured every vestige of material that would burn, leaving only the concrete walls, floors
and BT Stalls. Mr. Mathews, Principal of the Scherl, writes. "I am very glad I put in your Sanitary Steel Stalls. One dollar makes them as good as ever after the fire. Had we put in wood stalls they would have been a total loss, and in burning they would have destroyed the floors." But that is not all

## The Stanchlons Baved the Cows

In a moment every cow could be released from the BT Stanchions. Thirty could be freed from the Stanchions while three would be if tied with chains. In a moment every cow could be released from the BT Stanchions. Thirty could be freed from the Stanchions while three would be it
With cement floors and Steel Stalls the stable burnt slowly. Wooden stalls would be ablaze like a furnace before a single cow could be saved.


A Wise Investment
The BT Stalls stood the test. Made of Steel they neither burn nor rot. In fact they are indestructible. Surely when you consider this point alone, greater, taking all things into consideration, than that of the wood stalls. Further, they will save you in many ways. Write and let us tell you about
them. We cannot tell you much in the space we have here.

They Make Your Stable Bright and Clean With Steel Stalls your stable is bright. The open construction of the
stalls allows the sunlight to reach every corner. It permits a free movemen stalls allows the sunlight to reach every corner. It permits a free movement of more than anvthing else to prevent disease among your cattle


The benefit to the cow is indeed
one of the great advantages of one cf the great advantages of
Steel Stalls. $A$ cow tied in a
BT Stall and Stach BT Stall and Stanchion has the
maximum freedom consistent maximum freedom consistent
with keepiog her lined up in her
stall. She can card herself on stal. She can card herselfon
alpost any part of her body. Tied centrally in her stall the ii
free to lie down on either side. She can freely get up or down, but at the same time she is pre-
vented from moving backward ventre from moving back wara
and forward in her stall, to that
she can be lined up on the she can be lined up on the
cattlestand and all droppings go into the gutter, not on the cattle stand. That means clean
and comfortable cows, and cow comfort means increased production

Easlly Set Up You can do it yourself. In
two hours you can set up 20 BT Steel Stalls, and as soon as the cement is dry your stable
is ready for the cattle. - Imn't that bette than buying expensive lumber and posts gotting
it dressed, hiring expensive it dressed, hiring expensive for days while they put in your
stable? You can remodel four stable yourself if you use BT
Steel Stalls. From our book on stable construction you get
The Boys' Farm and Training School is located at Shawbridge, Quebec, near
Montreal, and Mr. Mathews, the Montreal, and Mr. Mathews, the
Superintendent, tells us that it now has some 60 city boys that it is training in Farm and Garden work. It is certainly doing splendid work in getting
the boys back to the land. The first the boys back to the land. The first
cut shows the new barn they built in I91I and equipped with 30 BT Steel Stalls The second cut shows the ruined barn after the fire. The third cut shows the BT Stalls. They went through the fire practically uninjured.


## Aprange Your Bapn Right

At a cost of over $\$ 2000$ we have produced a book on stable construction. It tells how to build a dairy barn from start to finish. It shows how the upper structure should be biilt, and saves much money aver the ordinary methods of traming. It gives the latest and best sy marn plans approved by the best dairy authorities, pared how to lay cement floors properly. It gives proper measurements for manger, cattle-stand and gutters for any size or widths of barn.

This Book is Free. Write us for it. Fill out the coupon.
BEATTY BROS., - Fergus, Ontario
We make Litter Carriers, Hay Carriers, Slings, Forks, etc.


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## Head Office

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Maturing 20-Year Endowments in the ordinary Branch show retnrns of $\$$ I40 per $\$_{100}$ paid in premiums.
Full Insurance Protection in addition.
Ask for samples of Actual Results.


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etratford Extension Latder IT IS
strong, serviceable,
light, eassiy verated
and durable, with wiretrussed
sides.
If interested, write
for booklete $H$, which for booklet H. Which
tells all about this and
other lines of ladders.
The Stratford Mfg. Co., Limited


| O.K. CANADIAN |
| :--- |
| POTATO DIGGER |

"Money In Potatoes," is invaluable to farmers. Haven't you a copy of this book? Write at once - we'll send one free-also Catalogue

## Canadian Potato Machinery

Co. Limited., Galt, Ont.

TOU wouldn't think of getting our potato field ready for planting by using a spade and a hand rake. You use a plow and harrow-and let the horses do the hard work.
Let the O.K. Canadian Potato DIGGER and the horses dig your potatoes this year. All you do is sit on the machine and drive. The O.K. Canadian digs the potatoes - separates roots cleans off the dirt-and deposits the potatoes in rows behind the machine. This machine is as great a time-saver and worksaver as the reaper and binder. O. K. Canadian is easily drawn by two horses. If you have a big crop of potatoes, write us at once about getting an O. K. as won first digger that exhibted.

## DOMINION EXHIBITION

Ottawa, Sept. 5th to 16th, 1912 jointly with central canada fair

## Federal grant of $\mathbf{\$ 5 0 . 0 0 0}$ used to im prove Agricultural features

## All cash prizes increased 50 per cent.

Exhibition Association pays freight on exhibits coming over roo miles. Reduced from five Provinces and two States.
New \$90,ooo Machinery Hall erected for farm implements.
Entries from field crop competitions from every Province. Educational features along es added. Novel attractions and amusements. send for revised prize list
E. McMAHON, Mgr. and Sec'y, sparks st. OtTAWA Entries close August 20th


## To PLANTERS

Making arrangements for Fall and Spring (I913) Planting ORDER NOW AND SECURE FRUIT TREES The finest stock grown in Canada. E. D. SMITH Helderleigh Nurseries WINONA, ONT. Whose practical experience is at
SPECIALITY Suitable stock for any locallity, any soll, any sltuatlon in the DoApples, over 50 varieties of Pears, over 80 sorts of Plums, over 40
sorts of Cherries, over 50 sorts of Peaches, and equally large colle ons of Grapes. Currants, Gooseberries, Raspberries, etc.

850 ACRES of the best of everything for farm
and garden, for profit and pleasure
farm Ornamental Trees and Shrubs, Hedge Plants, Roses, Lawn Specimens,Vines for Climbing,

Spring, Summer and
Autumn Flowering Plants Expert advice on fruit culture and horticultural operations. All orders
valued. Correspondence solicited. valued. Correspondence solicited.
Visitors courteously received. Catalogue, descriptive and illustrated, licited), copies mailed, originals shown at offices.

## GINSENG

Anyone can grow it and make money. For planting this fall we are selling New Seeds, Stratified Seeds and One-year-old Roots.
Write us for Price List.
I. E.York \& Co.,Waterford,0@ BULLETIN 33
Leara"How to get rid of hen lice with one appli-
cation of Avenarius Carbolineum a year." How to

 Gilbert, poultry manager. Canadian orders filled
from Montreal stock. Write to. day. GARBOLINEUY WOOO PRESERVING CO.
I94Frankilin St.



Vol. XLVII.
EDITORIAL.
Most districts have been experiencing the usual barley-harvest rains.
Has autumn or after-harvest cultivation be
sun on your farm yet? Frequent ing an excellent opportunity to advance this work
$\qquad$ to germinate now is a help toward ridding the
farm of these pests, and means a saving of labor and worry later on.
$\qquad$ be answered by the breeding of all the scrubs in
the country. Better have a few animals of the right kiud than a surplus of inferior grades to
$\qquad$ common comments upon the market situation in our large cities, and, properly carried on, no two branches of agriculture fit in with each other bet
ter than do these two. What an opportunity !
$\qquad$ heavy corn crop this year in most localities. Do not cease cultivating until the size of the corn
positively does not permit of further working. Cultivation is the only means by which growers
can hope to make up for the injuries done by unfavorable season.
$\qquad$ canada offers, compared with Old Country farm his first year as a hired help on an Ontario farm, reports that he has been able to save more than Or La $\qquad$ besides, he has to the good the
$\qquad$
$\qquad$ Tw
deplet eplete the rural population: One, the misdirected farm, or does little or nothing to qualify the icy that prics, and the other an economic po the expense of the country, by tending steadily to
$\qquad$ appreciated on the farm than harvest. Harvest-
ing the season's crop cannot help giving the owner a sense of satisfaction. Who would not be pleased on the endless headed golden grain falling back deck, from which it is discharged in regular satisfying sight can be imagined than a heavy field of grain drying in the stook, under the clear the crop is all housed and the barn bulges and
$\qquad$ when the thresh-
$\qquad$ impossible to carry on the undertaking to com-
$\qquad$
$\qquad$
$\qquad$
LONDON, ONTARIO, AUGGUST 8, 1912.
The Tapiff on Tpaction Ditching In going over considerable areas of the Provof "The Farmer's Advocate" staff have been struck with the deplorable condition of the crops
in certain sections, compared with other portions. in certain sections, compared with other portions. adjacent farms, and even on different fields of the
same farm. Correspondents in various parts of same farn. Correspondents in various parts of affairs, which careful and extended inquiry at-
tributes to the absence of drainage or insufficient drainage. In one extensive stretch of country, most conspicuous, and it was found that there tile
draining had been almost entirely neglected. Last draining had been almost entirely neglected. Last
spring there was an excess of moisture and cool weather, with the result that on undrained land worked. Expert demonstration confirms the outcome of general farm practice that the late-sown
crops are the poor crops, and nothing so hampers crops are the poor crops, and nothing so hampers
spring sowing as a wet, cold soil. Cases are cited from actual experience where the increased crop from a field the first season has paid the cost
of the drainage, and, once the work is properly of the drainage, and, once the work is properly
done, the improvement is permanent. In olden times, it was thought only the low places in the that it pays handsomely to drain the higher ground, as well. . * *
$\qquad$ College has demonstrated that, taking into consideration both wet and ordinary farm lands, drainage would give an average crop increase
valued at a trifle over $\$ 20$ per acre. There are probably $4,000,000$ acres of land in what is known ing, and probably $5,000,000$ acres of slash, swamp or waste land, of which at least $3,000,000$ acres
might be reclaimed by drainage, the crops from which, added to the increase from lands already under cultivation, would make a grand-total increase would go far to solve the high cost of liv ing problem and materially benefit all classes of people. The drying up of wats also prove of inestimable benefit from a sanitary standpoint, removing many causes of dis bercular nature. What is true of Ontario is also to a greater or less extent true of the other those of Alberta . .
$\qquad$ the benefits so immediate and lasting, how is it the staff of the Physics Department at the Guelph College, and by the County Representatives of the
$\qquad$ gent request of farmers who realize the need , counto conjecture why remedial action should be so
$\qquad$ Canadian industry, but a short time ago, by for the furtherance of building and other enter-
prises, cut the duty on imported cement squarely in two, and the large inflow of the greatly needed
material was hailed with satisfaction. That the

THE -ARMERS ADVOCATE
and home Magazine
teie leading agricultural journai IN THE DOMINION. published weekly by
THE WILLIAM WELD COMPANY (LIMITED).
JOHN WELD; MaNager.
Agento for The Farmer's Advocate and Home Journal, 1. ther Farmer's ADVocate and home magazine












1. OHANGE OT ADPDCA



 Address-THE FARMER'S ADVOCATE THE WILLIAM WELD COMPANY (Limited)

London, Canada.
progress of drainage should be longer retarded by the imposition of a duty exorbitant in itself, but flourishing country like Can great revenue to a itself to the good judgment fill not commend all the foregoing considerations country, when account. Leading men in Candian affairs, from the Maritime Provinces westward, who Meve looked into the subject, fully concede the impera tive need for action and the wisdom of the step which this article urges

## What Shall Our Boys Do for a

 Living?Parents or guardians have been watching wit more or less animation the published lists of suc aminations, and presently will be planning future courses or "careers" for those in whom the hopes of the family are centered. The title of written a few years about the time that large families were going out of for himelf ter for himself at about thirteen years of age reputable tradesman tells us that tered his premises with some deference once en of learning the trade, and were eager to qualify themselves for usefulness. But now, when the "Boy Wanted ", card appears in the window, he stalks through the door, with the demand, "How much is there in it for me?" Times, as wel! it manners, have changed.
peparation therefor are about equally importan Neither can be done aright without careful consideration and ample time to qualify. $\Lambda$ boy of in any one of a dozen different pursuits, but if he shows special gifts in any particular direction, or
as it is called, an unmistakable "bent," then, de
satisfactory and successful. Care need be exer-
cised that a mere passing whim or fad is not misment
Law, medicine and other professions and merrise to eminence or places of emolument. In industrialism or railroading, one only out of multitudes emerges to power and influence. The masses must toil or battle for little better than
livelihood. Factories and foundries, warehouses, stores and street railways swallow up the multitudes of mediocrity. The veterinary profession, so long at a low ebb, is improving because of im-
proved college courses and the demands of the time for elaborate and rigid systems of live-stock oversight and meat inspection. Hosts of town boys have been going into electrical fields, which seem likely to be too well filled, with heavy com-
petition in the lower grades of worls. It is encouraging to observe that in many sections of Canada the teaching profession is taking on a higher status, with more encouraging remunera-
tion. The public school will yet assume its proper place in rural communities, and more properly relate itself to country life and its great
sons of

Sons of the form, with real liking ral science, coupled with some administrative ca pacity, are finding a widening field for opportunity to serve the country well in places of experitiplying schools and colleges where agriculture is taught, and in the forestry service.
In single issues of each of a couple of Toronto newspapers, lately, the advertisements for teachers or country public schools, chiefly, numbered
about 225 , and, as a rule, the salaries offered ap peared to range from $\$ 500$ to $\$ 600$. This is more in keeping than former conditions with the higher standards now required and the importance of the
work which they are called upon to do. To attract young men permanently to the teaching pro fessions, a better scale of stipends must prevail.
However, the one great occupation the However, the one great occupation that is
undermanned is farming itself, and it is no exagundermanned is farming itself, and it is no exag
geration to say that no other presents so many substantial inducements, such independence, such a cêrtainty of a fair competence, with so much that
is wholesome and attractive. As an industry it is wholesome and attractive. As an industry, it
has had to make its way against obstacles, and has not been "fostered" or fattened on the public domain, as is the case with too many of the enterprises that center in the cities. It is fortu-
nate, indeed, that farming is not a millionaire creating business, and happily there are signs of a reversion against money-worship in the public mind. It has been slow in coming, but not the less sure. Making money is no great achieve-
ment, after all, and the gold kings will be forgotten about as soon as they get back to their six feet of land. Farming in a beautiful land like
Canada, with its varied specialties, horticulture, dairying and live-stock husbandry, is an occupa-
tion of which to be proud, and rural life is many ways incomparably the best. But the time is gone when any old way will do on the farms.
It is the place for the student and the thinker For growing up, there is no place like the farm forge to the fro sons in competition with the city developed youth. For any pursuit, there is no
preparation equal to a few years on a well-conpreparation equal to a few years on a well-con-
ducted farm, where stamina and resourcefulness are daily developed in a hundred ways. It is a
profession to be learned. Those who would rise is a poor place for the dullard. Farming is a combination of science and practice and business, dermanding knowledge and skill, as well as ability
to do manual work. Once and for be no mistaking the fact that, to farm well means capacity and training, and those who lack these fome occupation that makes less exacting de-
mands upon intelligence and resolution of char
acter.

Commenting upon the farm-labor problem, a
Toronto daily recently put forth the opinion that there is a great future ahead for the opinion that twenty-four hours daily three months in to work and hibernate like the bear the remainder of the
season. This has been the treubl Men have been engaged for short summer long. only, and no work given during the winter byonths. The farms on which labor is employed lach ip help to such a degree as farms on from hired men are kept only during the haying which est, or the summer season. The hest method to whe which has been advocated through these and mns time and again, is to so manage the farm
 . This means an increase in the live rater satisfaction fountry, more fertile farms
for concerned, and better

The Diversification of Crops farms dealing with crops suitable for irrigatio ment of Agriculture for 1911 gives the followin on diversification of crops which is applicable o Diversification of crops is essential to a perm nent and prosperous agriculture, and this diversi fication should exist on the individual farm, well as in the community as a whole. The im ticed in every community that has been long es tablished, even where the products of other sec tions are easily obtainable. Where a community because of the high cost is still more importan greatest economies in agricultural production secured not where specialization is practiced, where diversification of crops permits the most where the larger proportion of needed food sup plies is produced at home. It is a deplorable feaproportion of new agricultural regions that a large it could be produced much more cheaply. A high degree of specialization in farming economically more feasible when a community
well established, and where facilities for an well established, and where facilities for an highly perfected. In a new and isolated cor are ity, on the other hand, the best and most rational development is secured when a sufficient diversity of industries is practiced to supply the macontinuously and effectively employed, and to in sure a revenue from some of the crops when others fail.
Unfo
agricult
Unfortunately, much of the exploitation of
agricultural land in new regions is done on basis of a single crop. Not infrequently, investment is solicited under an arrangement whereby the land is to be planted to some perennial crop, nd caroduct by the seller until the crop comes have little to recommend them, even when carried out faithfully. The rigors of pioneering are not ture are seldom large, and are assured in agriculresult of close personal attention, careful economy and persistent effort. Non-resident ownership and peration permit none of these, and are seldom, Under ordina
be looked upon conditions, farming should not cupation, but rather as a means of a fairly octain liveiihood and an opportunity for home tunities in agriculture are to investment oppo crease in land values, and are therefore of a specu ing ties and some of the luxuries of life of the necessithe development of healthy, sane and self-reliant vitizens. These are the principal features and ad in new communitios with irrigation, as elsewhere in new comminef desire is to accumulate wealth one whose investment of money can usually find more profit able openings in some other line than farming.

HORSES.
Begin to put the finishing
intended for the fall shows.
day's travel through the few foals are seen in a demand for horses keeps up. There are thousands
of mares not being or mares not being bred which, if placed in serv
ice, would yield a large profit to their owners.

The Chamber
troit race meeting went for the stakes at the De Patchen II., the event to a Canadian horse. Joe Patchen II., the big son of Joe Patchen, won it in
$2.03 \frac{1}{4}, 2.04 \frac{1}{4}, 2.05 \frac{1}{4}$.

Teach the colt what is expected of him, and he
will do it freely and willingly. Get him on his Manners behour before taking him before the judge be taught thoroughly in the show-ring, and must

In reading the reports of the Western exhibithe comparatively few Percheron and other and breed still stands in greatest favor throughout

Weight on horses' necks has always given more
less trouble in the working of farm implements
horses with large sores on top of the neck, due in


The wide distribution of Percheron mares, ready shown, means a more general demand for
the best Percheron sires. The number of men who own and are breeding Percherons, now in ex ten the production of better Percherons than have heretofore been bred in America. American farm rence and skill in their live-ste worla in intellitions, and the work of so many kreeding operanot fail to bring a wonderful improvement in the breed within the next few years. Careful selection of the best is now possible, although diffiarea which must be covered in making selections. Success in breeding live stock is hard to win. This is particularly true in horse-breeding. The States has been hampered by competitors United breed, by division in the ranks of its supporters, and by much hostile criticism from would-be authorities on breeding problems. These are incidents, great breed of live stock. Percherons outnumber all the other pure-bred draft horses in the United States. There has never been a time when the horse-breeding industry was on a firmer foundadevote their best efforts to the development better Percherons than the world has yet pro

## Rations for Fapm Hopses.

 The feeding of farm stock is always one of the farm. It animals must be done economically, and the Horse-feeding seems to be largely limited condition. and oats, as far as rations are concerned, but there are other times when other substances may as very profitably used. Some rations for horses by Charles Crowther, M. A., Ph. D, are given University, in the July issue of the Journal of the Board of Agriculture, and they, together with the explanations given, contain much useful informa AmericIn feeding horses, says Dr. Crowther, it is es sential to remember that, compared with cattle, the horse has only a very small stomach, which The horse is thus not well adapted for dealing with buiky food, and should receive its food at egular short intervals, if possible, not more than uring the daytime. The ration of the working horse must hence the most suitable peing oats, barley, maize, beans centrated foods will not prove satisfactory conmust be blended with a certain amount of bulky food. This latter must consist of hay or bood It is economical to chaff hay for horses, as plied long in the rack, though possibly a horse long state. In part of the hay is chaffed and mixed the greater grain food, a thorough mastication of with the will be insuren, the mastication will be effected more rapidly, and waste of hay will be reduced to a macks for consumption during the placed in the The proportion of hay and straw in ration should be regulated by the demands made upon it for work. During busy times, when diet should be of a concentrated charer, the horses do not derive the same amount of nourish ment from bulky foods that cattle do. In the horses are frequently engaged almost where farm ly in carting hay and straw to market continuous unusual to allow as much as 25 pounds per no per day of oats, with only a small quantity of
hay chaff. Of the
and for the more valuable horses they to oats, monly regarded as indispensable. Barley and
nataize may be used with maize may be used with safety if blended with
oats, beaus or peas. They are more suited, oats, beans or peas. They are more suited,
however, for horses working at a slow pace than
for those in rapid motion. Beans are favored for horses that are called
upon for sudden exertion or prolonged heage upon for sudden exertion or prolonged heary
work. All corn should be crushed or bruised.
Sugar also seems to he an enerey Sugar also seems to be an energy-producing food
of the first rank, and may be conveniently sup-
pliced in the form of treacle.


work" may be taken as similar to that done by a
horse plowing medium loam soil for a day of eight hours.
pounds live weight per day. Ordinary per 1,000 pounds live weight per day. Ordinary heavy cart 1,500 pounds, and the rations must be increased for them correspondingly by about $.2-.3 \mathrm{lb}$. di-
gestible albuminoids and $2-3 \frac{1}{3} \mathrm{lb}$. starch equiva lent.
rations per 1,000 pounds live weight
 up that "hard" condition which is necessary if the horse is to be fit for work when called upon.
$\Lambda$ suitable ration for an idle horse is 8 pounds mat straw, 6 pounds hay, 5 pounds maize, or pounds oats substituted for the other grains. 8 Carrots, Swedes and mangolds are much ret ished by horses; they are very suitable for idle given in greater quantities they should not be pounds a day. A sick horse will 8 or 10 tempted to eat a few carrots when it will touch Fromer food.
From the above table it would appear that a ration supplying about 25 ary work will require a matter, with a starch equivalent of atal dry 15 pounds, including about $1 \frac{3}{4}$ pounds digestible albuminoids.
of a daily ration for probably the simplest example hay, and 12 pounds oats. As a rule, however, a simple diet like this is food are advantageous. With a more complex
diet, the animals and in many cases, also, found to thrive better, A mixture of maize and beans, in the prod. tion of 23 of the former to 1 of the latter, gives will be found that 15 pounds as oats, and it mixture affords the equivalent amount maize-beans ment to 19 pounds of oats.
The following are examples of suitable dails rations for farm horses at average work: daily ley, 2 pounds bray, $1 \frac{1}{2}$ pounds maize or partly bar pounds oats, 5 pounds maize, 2 pounds beans beans. $\begin{aligned} & 3,-18 \text { pourds hay, } 12 \text { pounds oats, } 1_{\frac{1}{2}} \text { pounds } \\ & \text { ber }\end{aligned}$ A full ration for a heavy horse at the busiest
time of the year would be 9 pounds pounds hay, 12 pounds be 9 pounds oat straw
peas, $1 \frac{1}{2} \frac{1}{2}$ pounds linseed 3 pounds beans peas, $1 \frac{1}{2}$ pounds linseed.
he plan followed in oat straw and oats alone-districts-require a very variable quantity western depending upon the character of the straw, which whilst in others its quality is very nutritive alue, case, the oat straw is piven va libitum. In any quantity of oats required to supplement it the quality of the straw, the quality of the to the size of the horse, and the character of the work
to be done. Mares suckling foals find all the nourishment
they require in an early-summer pasture an indoor ration be required for asture. Should poal, the following is a very suitable one 3 pounds bran, 3 pounds beans. 5 pounds oats, chaffer and mixed with the other half should be damped, and the oats and the crushed beans briven The foal will graze with the mare, and soon
share with her any indoor pood she may he got ting, and thus prepare itself for weaning. We wet-
weaned (about five mont weaned (ahont five months old), it should ghet a
little trough fond, consisting of $\frac{1}{2}$ pound oats and Muring severe weather it should be fed twice or
three times daily, and. in any case, when brought
in at niklit it should he auple in at nimht thails, and, in any case, when hrought
 (2) $\frac{1}{2}$ pound oats, $\frac{1}{2}$ pound bran, and $\frac{1}{\frac{1}{2} \text { poore, or }}$ crushed beans. The oats should be crushed bruised.
Bruise

Bruised oats, bran, cut hay and pulped turnips lent mixture. A hot mash of bran beans excel hay is also productive of good results. Except in very bad weather, foals are much confinement, not so much for the sake of the food
they find as for the exercise which is for the normal development of the body and
limbs.
During the winter of its second year, the col may be gradually introduced to light work, say lowing autumn it may be fully broken in to th heavier work of the farm. On no account, howberland and Cumberland have both but NorthumSince I wrote, a fortnight both been badly hit. have taken place in Ireland, and also in Ieicestershire, where it was not before reported. The out St.oke's place at Market Harborough. Mr at Mr. is one of the most extensive dealers in hunting stant communication with Ireland, where in conHunters are bred. In this way the disease besy be carried through the boots or clothing of may passing hither and thither between the two coun-
tries in search of horses over fields which may be infected. This suggests an unsuspected line of contact between two points ease manif of origin, and the point where the disease manifests itself. It is to be hoped the clue of the disease be secured followed up, and mastery The situation
Terious. It would seem sithumberland is rathe from Ireland had gone there in infected cattle tended numbers. Their presence has what exthat county a most unenviable notoriety in con disease. The annual show was heot-and-mo ath mouth this week, but, as neither cattle, she Tyne swine were permitted to be shown, it, sheep no a depressing event. Next week the Durham The great center in Northumberland is conditions and hasle-upon-Tyne. This is a very hilly city nd horses for its streets must be weighty, act animals. The cabs that ply for hire in New tells its own take. The towns in Durhact which so steep and hilly, with sharp gradients, and in heavy type are in demand. of an exceptionally are of no use where heavy Small, fancy horses ents have to be faced; and the Clydesdale grad his unusual combination of weight and activity Seaham Harbour stud did much tis rivals. The heavier Clydesdale in these mort to popularize the England, and generally, the horses winnties of week were of this big, the horses Winning this
carries on the Seat. Mr. Brydon still carries on the Seaham Harbour stud, and stock his younger horse, Bonnie Buchlyvie, with foals by in evidence. Hunting horses of an unusually much type are bred in Northumberland, and the show For the rest, the show worth going far to see. pend on such minor attractions as dairying and
cognate items. THE HIGHLAND SHOW.
This year the Highland and Agricultural So-
ciety made an invasion of the County held its annual show at the small county town of the president, and the local Nian Crichton Stuart, tagious, and for the first three days the old place seemed to become all alive show falling day, however, was a failure, the attend The falling away greatly, and the Cupar show of 1912 than had gates with drawings some $£ 1,400$ less Perth show, with which it must compare it the circuit. Still, in spite of these things, the Cupar show was an unqualified success, save for the absence of all Fnglish exhibits and from all exand at the Scots owners which had been in Eng-
horse at rest correspond to a supply for a pounds live weight) of about 8 pounds of diges-
tible matter tible matter, with an albuminoid ratio of about hay alone. Such a diet, however, fails to keep ever, must the young horse be overworked, or ir-
renarable damage may be done to the slowly-hard-
ening framework of its body.

## LIVE STOCK

## Oup Scottish Letter <br> $=$

We are still troubled in Great Britain with
outbreak of foot-and-mouth disease, traced direc $1 y$ to Irish sources. So far, in Scotland direc have happily escaped. No single case has we At rest ledium work...18-2 Medium ". 21-2

20-28

## $=$

$\qquad$
and the likelihood' is that both the national shows
of 1912 may prove remunerative in a financia) sense. So far as stock is concernecl, the show at at
Cupar will long be remembered for its splendid exhibition of clydesdale horses. We have had ncthing iike it for many years. The great class was that for two-year-old colts. So large and
high-class a collection of these has probably nerer high-class a collection of these has probably never
before been seen in a Scots show-yard. It may safely be averred that the best colts outside the prize or ticketed list were as good as many of the
prizewinners of the past. prize winners of the past. was Wm . Dunlon, male Clydescaie of the show was Wm. Dunlop's fine
two-year-old colt, The Dunure 16839 . This colt has been unbeaten this season, and last year, when a yearling, although he had varying success in
the earlier part of the season, he finished sure
 Baron of Buchlyvie 11263. Many colts of his al ave better-ald shoulders, with higher withers, but where he excels is in the uniformity of al, Montgomery's Baron's Crown 16457 greatly cels where The Dunure is weak. He is an upstanding colt, with a most imposing outlook, and grandly set up at the withers. He is a notably
well-bred colt, being got hy We that great horse's own grand-daughter out He, which in her yearling and two-year-old dars was a great prizewinner. The sire of Sarcelle
was the unbeaten Everlasting 1131 , most successful breeding horses among of the on s Pride family. The first aged stallion warthe big, gay horse, Fyvie Baron 14681, which was He has not been shown was almost unbeaten. from the Montgomery stud, Sisne Another horse some bay, got by Allandale 12418, was first the three-year-old class. He was second Kilmarnock show in spring, and has this season been travelling the kirkcuabright district. In
the yearling colt class, the again led the way, their representantivomery stud being the Baron's Pride colt, bred by Mr time Sleigh, in the same parish as Fyvie Baron. He was first at the earlier spring shows, and has
done well. ${ }^{\text {The }}$ The first-prize colt at the full brother of the champion mare Nerisseal, the has gone to British Columbia, was second. $\begin{aligned} & \text { Thich } \\ & \text { The }\end{aligned}$ championship in the female section, whicn was the Cawdor Cup, went to win. Ritchie's Harviestoun
Baroness 27086 , Baroness 2 2ro86, a lovely big black daughter
Baron's Pride. She was sold to R. A. Fairbairn Westield, N. J. This week she was again champion at the Royal Northern show at Aberdeen,
Her full sister Her full sister, Anice, was third in the brood-
mare class at the Highland and mare class at the Highland, and on Tuesday of
this week was champion at the Stranraer show A full brother, a yearling colt, was first at the Royal Northern show on Thursday, and yet another full brother is the favorite premium horse
Baron Dollar. Baron that the dam of this remarkele intested $t$ of good animals is a black mare in the Harviestoun stud, named Ambrosine, and her sire was the noted Northwest champion horse, Woodend Baroness defeated a very strong feld farviestoun pion honors. It included the champion mare Bo quahan Lady Peggie, the unbeaten three-year-old nare, Dunure Myrene, the unbeaten two-year-old $0^{\text {rst named being got by }}$ Hiawatha ther, the aron of Buchlyvie, and the two younger mare Apukwa 14567, which bids fair to be by far he best breeding horse ever got by Hiawatha.
The Clydesdale market is very active, and ${ }^{a}$,
large number of horses have been hired for 1913 , while many purchasers are on the ground from states and Canada. Several are here from Brit ish Columbia. The Clydesdale man is in for another grod year, although I do not think the ex-
port trade is to be quite as brisk as it was in
1011

MILK RECORDS.
In dairying matters, we are having quite a this we are experiencing a renewed and extended interest in Holstein cattle. Several herds of the latter are now to be found in Scotland, and there
are quite a number in England. A recent decisare quite a number in England. A recent decis-
ion of our Scots Supreme Court will do a good
deal deal to enhance the popularity of the Holstein. Hitherto there can be no doubt that dairy farmers
have been afraid to have been afraid to go too far in the use of these
cattue, because of the comparatively low yield of butter-fat found in their milk under normal con-
ditions ditions. The presumptive standard with us is
3 per cent. butter-fat, 8.5 per cent. solids not fat. This is not an absolute standard. When presumed, until the contrary is proved that the milk has been tampered with either by the the dition of water, or by the abstraction of fat. The authorities have, however, in prosecutions, gener-
ally proceeded on the assumption that the
stand standard is absolute, and, unfortunately, a num-
ber of the County Court judges have supported
them. In an Airdrie (Lanarkshire) milkman
however the however, the authorities met their match. He per cent. butter having sold milk containing 2.57 but pled that he sold the milk deny the charge, it to him. Moreover, he declared the cows gave he bought and fed his cows to produce quantity nowise quality, and that in so doing he had in sustained his the law. The County Court judge The authorities appealed to the Supreme Complaint. seven judges-that is, a full bench-heard the argubelow. They unanimously found the milkman


Pat of Aberlour.
Aberdeen-Angus steer; first and champion for fat cattle at Highland Show, 1912.

Cull the Breeding Stock
Vinni Farmer's Advocate and Home Journal, of Western, Man., commenting upon the fact that its live stock, reminds breeders that culling is necessary. Recommending an increase in live
stock is good in part, has received, to say the least, meagre attention From time to time the live-stock population has service every available by pressing into breeding in a couple or more years there the result that of interest in live stock, and the statements that it does not pay, markets are not favorable to the farmer, and there is more money in wheat, are definitely made who agriculturgiving live stock a To breed, grow and inish live stock or produce milk and
make money remake money re-
quires
more than a casual interest at kets quote high prices for live stock
or live-stock products. The fact that high prices mean an high prices mean an
increase in breeding increase in breeding
stock means, also,
that that an inferior
class of stock will be produced, and an inferior class of live stock means a non-paying proposi-
tion. Success and failure lie between the dairy cow that and thilk per year nd the cow that
produces 3,000 lbs innocent. He had discharged the onus placed uppeared, also the prosecution, that he had not ap- caltle, hogs or sheep in the same be made of bee pered with the milk in any way after it had left with lie with the well-bred individual, aind failure cows cows. He sold the milk to the public as the with the regulations in so doing had complied shy of the Holstein because she undoubtedly fought yiews milk below the 3 -per-cent. standard, will with feel safe. So long as they deal honestly prosecute product of the cow, they cannot be cent. standard is not reached although the 3 -perpossible that the law may be altered, of course


Princess 20th
horthorn heifer; first in two-year-old class, female champion, and grand cham
pion, Highland Society's Show, Cupar, 1912. Exhibited by Geo Col W, Cupar, 1912 Exh
solute standard be set up. Should this be done be raised, and those who own cows yieldard wil average of butter-fat may have to effect a clearance and reconstitute their herds. An average herd of Ayrshires, well selected for milk producyield milk falling below the 3 -per-cent readily hen Holsteins are kept, a few Jerseys, judicious outter-fat cled may effiect a sufficient rise in the axiety. " SCOTLAND YET." 19th Julv, 1912
with the scrub

$$
\begin{aligned}
& \text { Every herd or flock contains } \\
& \text { best animals and poorest anima }
\end{aligned}
$$

and animals and poorest animals, and the calibre or not that herd or flock is a dinancial whether The calibre and the percentage of the best in the herd depends first upon the quality of the sire
used, and then upon the extent is carried on among the extent to the which culling ing is the factor that counts for the greatest in-
crease in the quality crease in the quality of the herd. Farmers usin pure-bred bulls of
merit, after year merit, after years
of breeding are disof breeding are dis-
heartened to see such slight improvement in their herds. Yet they carry, year
after year, breeding aiter year, breeding
females of very in-
ferior quality ferior quality, yes and even bring in cemales from time
to time that are
below the level of to time that are
below the level of
the average herd. the average herd,
In this respect In this respect ers of merit have a lesson that can be average farmer, that ing out the inferior young females as sending them to the ning to increase the stock on your farm, start first by cull-
 should be
feed, weed.

The Shepherd's Journal predicts that inside of six months after the election in the United States they have been in mutton will be higher than ber of pure-bred flocks will be estany large num portations will be larger than they ished, and im hrough The reduction of sheep in have been in the drouth, the loss and curtailmen Austratia in the West, and the reckless marketing of live have its effect

## Still Raises Some Hogs,

 In a section where sale of milk to condensary only the cheese but the hog business, it whished $n$ what of a relief, the other day, to run across farmer, W. B. Roberts, of Elgin County, Ont., wh still heeps about one hundred head of swine. MTRoberts, 600 acres of land. He breeds his sows for two litters a year, arranging, as far as possible, have them come in March and August, respective
ly. The firty August pigs are wintered on man gels and corn, recolving also rape and alfalfa, and having the run of the corn stubble in autum They are sent off in May and June, being thus kept long enough o have a little green feed befor of which ten acres of Longfellow and on corn, Early are grown, to be harvested by the hoge This system throws a lot of hogs on the Decembe Roberts follows it because it a goits hise, but Mr farming. He does not attempt, without milk to finish his hogs at six months of age, but rathe counts on eight or nine months. As to breed he Inds nothing better than the Tamworth-Berk easy to keep, and quiet. an enthusiastic advocate of alfalfa, and recommends adding three to five pounds alfalfa seed per prove the pasturage, his only proviso being tha prove the pasturage, his only proviso being that field from which he hoped to thresh a crop of
clover seed.
The appointment of Dr. F. Torrance, V. S., D.V eral of Canada, dates from August 1st. It -Gen pected that he will attend the meetings of the American Veterinary Medical Association, and o the International Commission of Bovine Tuber-
culosis, about the end of the month

## THE FARM.

## Device for Stacking Hay

Editor "The Farmer' Advoca
I notice in your issue of July 11 th a request
lor a description of a horse fork for the purposi of stacking hay. If you can follow my instructions, I will try to help your inquirer. I have
been the means of getting two outfits erected in his vicinity, and I can assure you that, for any one who has a lot of outside stacking to do, it
saves a lot of heany labor In the firsty place, yo
(an oak, or one sinilar in fifre). If the person luquiring has a bush on his place, he will prob-
aibly find one suitable ; get one about inches thick at the bottom, tapering to 6 inches at top, with a length of 35 feet, or a little less
will do, but the higher the better if your tree is strong enough. Trim your tree, or pole, as you wili now call it, so as our remove any knots or
roughness. Thre feet six mortice a hole right through pole for the puttom of inserting pulley wheel, which must be a shade Wider than the pole, so as to clear the rope from
rubbing ou side of pole. quire to trim about 9 inches perfectly round refix an iron virole or shoe around the end of the pole that you have made perfectly round, and be
sure that it is about sure that it is about 9 inches deep, leaving ex-
treme end open on top. Put a flange end of virole about an inch wide. On top this flange fix a flat ring about 2 inches wide, Which must be loose, for the purpose of swinging
round, and in this ring punch big link, or two, if you like. Be sure to make the links big enough so as to admit a good-sized rope. Now, on top of this flat ring there should bolt or round piece of iron put right through the hole and fixed there, so as to keep flat ring the
level as possible when the weight is on it, hut ho sure to give the flat ring enough room to permit require three rings for the purpose very top you guy ropes. This is quite easily done by drilling 4 hole in extreme end on top, and driving round piece of iron into hole. Now take a flat
viece of iron link on each end; put a hole in center fix a ring or to the round piece that is driven in end . another piece half the length and put a hole and one end and a ring in the other, and a hole in
end, toon and now wou have three wings io the Now whequire a jib for swinging hay on to
stack. Tin iih must be 9 or 10 feet long, and
 Ont. On insi, ene fix a clamp so as to foux or or

practically same as above, only keep as near end
as you think will be reasonably safe with your as you think will be reasonably safe with your
pulley and clevice. Now you can attach your jib tie from ring on top. With a piece of strong rope, then from inside end to same ring on top. Now this jib can be fixed there stationary, or, if pro ferred, may be slung on blocks, so as to be movferred for the purpose is required now is a long rope through the pullev at bottom of pole then up and aver the pulley at inside end of jib, along the iib down to the ground to your fork. Your fork will


Hay-stacking Device
likely be one of the usual kind, with a pulley wheel on top of it. If it is, don't fix your rope take it up and fix the end of rope on outside and trennity of jib. This little device, being a great
saving on horse-power, should not be omite Your rope should not be any less in thicknes than one-half inch. The best rope is three-quar ter inch, and be sure your pulleys are a little rope will not cut up the rope, as thereby your One word as to your guy ropes., he sure yous three stakes for tying them to are far enough you In erecting fork, with the swinging of the jib. deop where you want it to stand; it is pretty it is to load a wagon of hay, lift up the top end of pole oll hack end, and back up the horse until
you have got it up. Be sure to have a man at each guy rope so as to steads it. Give vour


Bog Shoe
ize, about $1 \times 10 \times 12$ ins.: B
nuts holding straps in place; $\Lambda$, small bolts.
pole a inst or incline of about six inches, or a 1 tle more, so as to enable the jib to swing easi!y
onto stack. Be sure to keep outside end of iib a good bit higher than inside end.
JOHN WRIGHT.

## Bog Shoes.

Editor "The Farmer's Advocate": am enclosing . wairing for a bog shoe for horses. we have used for a number of years on our horses in working on a beaver meadow. The shoes are $1 \times 10 \times 12$ inches, but the size depends on the size of the horse. The hole for the fhat should be just large enough to allow the bog shoe to slip on over the ordinary shoe. A narrow end to strengthen the wood and aiout half way between these to bear the weigh of the horse. At the four points marked (n) in the sketch looped straps are bolted to the wood as to allow them to reach above the enough so then a strap is run through them and buckled snugly around the pastern of the horse. For an six inches when they are doubl be more the should all be on the are doubled. The nu the strips of wood and the bar are all on the In using shoes, it is never necessary to use and in most cases one on the left foot in feet, ficient, and with both feet thus shod the horse will walk on places where a load cannot be taken
off.
NORMAN C. McKAY.

Another Bog Shoe Described.
I noticed a query re bog shoes in last week's issue. I never used any, but have seen them. project about two and a half inches each side to the foot, and of approximately the same length the thickness of the plank depending upon its than other. On the upper side of the bog shoe, holes are bored corresponding to the caulks of the iron shoe, which must fit snugly into same to keep tened on. The method of fastening on when fasa light iron band going over the horse' consists of fitted with nuts on each end, the band being fitted through the hoof, and both ends going down hoof. This, in connection with the sides of the on the upper surface of the bog shoe caulk holes hold it firmly in place, and users have told me the inside of the foot and a half inch projection on terfering, as one would suppose espec cause inthe horse has worn them for a few minutes after ing ouly the bog shoes are no elaborate affair, be vent the horse's sinking of plank, which will prefastened to the foot in a very simpleund, and which may be accomplished by most any handy
man.
B. ARMSTRONG.
"Ifs" and "Buts" of Aftep-Harvest Cultivation.
:ditor "The Farmer's Advocate":
In discussing the after-harvest cultivation ductive oi " "ifs'," we will find the topic quite pro ou do as we have done vith clover and timothy grain fields seeded down he any cultivation, and there generally ought not to possible, if the good of the next crop is considof mice and men be are told, "The best-laid plans farms there are seasons and times when our plans like a bad stomach-ache hopes so shattered, that doctor. And the doctors of agricultuase for the quite plentiful enough that we may be able to not one for consultation and prescriptions for every a problem peculiar unto case. And every case is necessity that the successful farmer herein lies the intelligence, judgment and decision, with great
executive ability. So far as after-harvest tillage is concerned on our farms, on grain fields, it is nil. Our grain is sod. Our soil is all light to and is followed by
bottom. We are with open matter, the are anxious to have as much organic matter, therefore aim to have as much growenough before seeding to get a a well-settled seed-
hed
$4-2=$
turning as soon after haying as possibl intended ior spring grain or hoe crop, later or
fall-plowing will do. "If" the sod contains twitch or blue grass, break up as early as pos as
sible, just deep enough to sible, just deep enough to get barley under pos-
rootstocks. Disk and drag until the sod is feirly rootstocks. Disk and drag until the sod is fairly
mellow, then use spring-tooth cultivators and mellow, then use spring-tooth cultivators and
rake every vestige of life into sunlight.
" If", the sod is clean timothy will do " the sod is clean timothy, later plowing will do ; "if" clover, it may be plowed at any
time before seeding or planting, just so there is time enough to thoroughly settle with disk and drag. the hoe crop, of which we have from forty-five to firty acres as the regular proportion, being one-
fifth of the crops on two farms, and one-sixth on other two. We endeavor to keep hoes and cultivators going regularly enough that those fietds
will need no after-cultivation, hut we conner will need no after-cultivation, but we cannot al-
ways succeed as we would wish, or there would ways succeed as we would wish, or there would
be no weeds on the farm. Whatever the nature
are not likely to get too much soil or crops, we to the soil, or too many weeds out of it, or too ruuch tillage for the crop. ANSON GROH.
Waterloo Co., Ont.

## Thpeshing in Gpey County.

Mow threshing is the only method that would be satisfactory in this part, as farmers have ample barn room for both grain and straw. We aim to keep all straw inside, if possible, as it
keeps better and is convenient at all times when required.
The blower is a great labor-saving device. The
duster is certainly one of the best duster is certainly one of the best attachments Threshing being done machine.
always carried in boxes. As a rule, ning grain is hands are required, besides As a rule, nine or the The majority of farmers are not particular and bins, and no special care or of their granary the seed grain, all being thrown in together at threshing time, and in spring cleaned out of what
is left. is left. Co., Ont. J. R. P.

## Plowing Gpain and Copn Stubble

 Editor "The Farmer's Advocate":In reply to your request for experience in the
cultivation of the soil after the crops cultivation of the soil after the crops are taken off, I might say that I fear anything I can say
will be of little value to your rears spread over so vast a territory as the Province of spread over so vast a territory as the Province of
Ontario, which is comprising so many different Ontario, which is comprising so many different was born and have always lived on one of the
farms I now own, I realize that my experience farms I now own, I realize that my experience
will be very limited. The soil in this part of Lambton County is what is termed a clay loam. The rotation of crops we try to follow is a threeyear rotation which causes us to seed down nearly
all of our grain fields. Some years ago, when in all of our grain fields. Some years ago, when in
beef production, we usually plowed a field each year after the crop was off and sowed it to rape, our principal line of farming, we have discontinued Fior any fields we do not wish to seed do how as soon as possible after the grain is taken off, as early in August as can be done, about three inches deep, then harrow down with a smoothing
harrow, and let it lie in that condition until the 10 th of let it lie in that condition until, say,
teptember, when all weeds and grain will be growing, then double disk it, so that the disks will not ridge it up, and follow with the smoothing harrow and roll. Let it lie in that
condition until plowing time, which should not be condition until plowing time, which should not be
later than October 15th. I believe more weeds, such as Canadian thistle, ragweed, prickly lettuce and others, can be killed with less work at this season of the year than can be done in any other
way. A field cultivated in this way will grow most any kind of crop you wish. Now just almost any hind of crop you wish. Now, just a
word about the after-cultivation af the corn field. Much is being said by Institute speakers and also the corn field which I believe is of not plowing injurious effect on many of the farms of this locahty. The result is that the Canadian thistle rapidly on our farms. weeds are increasing velieve that at least
three conditions must be adhered to if to conditions must be adhered to if we wish
to be able to discontinue plowing. The first is thorough drainage, for, if the water is lying on to make a seed-bed in the spring. The second is thorough cultivation of the corn. I do not think
that this can be done sufficiently by machinery but hoing and weeding by hand must also be be
practiced. Third, the weather conditions must be such that you can either disk or cultivate it up to the depth of at least three inches immeditions can be carried out, youl may be successful

THE FARMER'S ADVOCATE.
without plowing, but if you fail in any one of Ing their records. One of our cows, Golden Milk
these, I believe it will early as possible. If you wave a plow, and as naid (whose porirait is given herewith) began her and cannot plow it with an ordinary walking $8,442.5$ pounds milk, testing 409.411 pounds fat
plow, it will he plow, it will be money well invested to buy a single-furrow riding plow, with a three-horse corn field, as ten bushels extra grain per acre will pay the cost, and I believe that is not too much to expect on this clay soil. that is not to
I. J. J. W.

## THE DAIRY

## Believes in Testing Cows.

A. H. Menzies \& Son, " Farmer's Advocate
subscribers at Pender Island who are breeders and admirers of Jersey cattle are also firm believers in the system of keeping
individual records of the performance of of using as sires only sons of dams having satis. factory records. In a recent letter they write. When we started in dairying,' with grades, we
soon found, by weighing and testing the milk


Golden Milkmaid
fersey cow, belonging to A. H. Menzies, \& Son, Pender Island, B. O. Began
Record of Performance test at 4 years 243 days, and made a record of $8,442 \ddagger$ tbs. milk, testing 409 lbs. fat.


Ayr Review.
Ayrshire bull; first in aged class, male champion, and grand champion of the breed,
ach profit, while others that we thought were the poorest were the best payers, so we bought two pure-bred Jersey cows that were the foundation but, by weighing and testing their milk and feeding liberally, we found that one kept increasing her yield of milk and butter-fat until she passed
the requirement of the Record of Performance we have now eleven cows milking which have either passed or are expected to pass this year, the excention of one her soon, all these, with the exception of one, having come from the two
cows we bought. We find it pays to keep increas-

Lady Buttercup of Pender began her test at 4 years 26 days, and made $9,305.5$ pounds milk,
testing 466 pounds fat. She has increased that testing 466 pounds fat. She has increased that
record this year. She gave $9,959 \frac{1}{3}$ pounds milk for the third consecutive year. Buff's Lassie, 2 years and 46 days at beginning of test, has just been milking a little over nine months, and has made over 8,500 pounds milk to date, July 17 th ,
1912 , testing 5 per cent. fat. We think she is making a splendid record for a two-year-old with her first calf, and she is due to calve again inside of the year." Messrs. Menzies wind up with saying, "If one is going into dairying, why not keep,
pure-breds ; and if pure-breds, why not Jerseys? "

The Fopmation of Milk.
When the constituents of milk are considered, it is seen that amongst them are some-as, for in-
stance, casein and milk sugar-which are no stance, casein and milk sugar-which are not found milk is not already.
formed in the juices/ formed in the juices,
that flow to the udthat flow to the ud-
der, but that it must be separated and pass from them to the cavities of
the udder. Milk the udder. Milk,
therefore, is not simple excretory product like urine, which is simply fil-
tered from the blood in the kidneys, but in the kidneys, but formed from the fluids of the body in the milk glands. The material which is brought to the mammary gland is mammary gland is tain cells which on
comple tion are $\underset{\text { wholly }}{\text { completion are }}$ destroyed. $\quad$ These products of decomposition are milk, which in this way may be regarded as follows that milk is not directly formed from the blood, because of the rich-
ness of the ash in ness of the ash in
pqtash and it s
poorness in sodo patarness in sode,
por the ash of blood, for the ash of blood, on the contrary,
contains much soda and only a little potash In the cow, the mammary gland, which is covered and folds of skin consists of two portions, which are separated from one another by a wall
of muscular tissue which runs parallel to the long axis of the body. Eacre of
these halves possesses a halves possess-
es es a grape - like
shape, and is com-
posed of posed of a great
number of
smaller or larger
which are traps
flaps by small, branch$\begin{array}{ll}\text { ing ducts. } & \text { These } \\ \text { small ducts } & \\ \text { unite }\end{array}$ ones, which finaily open into a broad passage Which empties into the milk cistern-a large, hollow space lying above the teats. If the small
ducts above mentioned are followed int ducts above mentioned are followed into their sacs or alveoli, which compose the end in tiny The alveoli are furnished with a delicate homogeneous membrane, on which a single layer of socalled epithelial cells lies. A dense network of outer walls and supplies the evithelial cells the or in which the milk arises, with the necessary material. Numerous nerve fibres imbedded along-
tion of the mammary gland in which the material forming the milk undergo conversion. Whether then grow again, or whether they remain intact, has not been proved.
gland, and it is upon the prod of the mammary gland, and it is upon the development and pro-
ductiveness of this organ that the extent to which the quantity and composition of the milk can be infuenced by other factors-particularly the food-depends.-[Kellner.

## The Daipy Heifers.

Few, indeed, are the farms which can afford to do without the good dairy heifers, and few are
those which can afford to keep the poor ones. It those which can afford to keep the poor ones. It
is, or at least it should be a process of the sur-
vival of the fittest and the fitest determined by the practice of a systematic milkrecord account. The heifers should be culled, but
all the good individuals should not be disposed of, leaving a herd vacancy to be filled from other herds very often of an unknown quantity. The safest way to replenish the milk supply is to
keep records in the herd, and breed the cows to the best bulls, and select the best heifers for your own use.
Only heifers from heavy-producing cows are eligible for a place in the best herds. This percalves, those from low producers early life of the butcher for veal. Now only the calves from the good cows are left, and as time goes on a few of towards becoming a dairy cow poor headway vinced that there is no milking future for such an nimal, she may as well be disposed of, but do ot discard the heifer because she shows a little tengency to run to beef. This is often not a bad
sign even a dairy heifer. Such a heifer usually has a good constitution, and this means a lot to opportunity. to demonstrate her ability at the pail ore condemning her
hey must not be lo keep the heifers thin. While hat an abundance of feed be given, in order thal siblurity be reached at as early a date as possible to obtain before the first lactation po As a rule, the best all-round dairy cows result rom a service which brings the first milking at is comparatively young not months of age. This for cattle generally. $\begin{aligned} & \text { not for dairy cows, but } \\ & \text { Milking drains heavily }\end{aligned}$ on the heifer's vitality. She must be prepared for it, and the time to do it is while she is age. A little fat put on then may be useful afterward. Growth is imperative. These conditions make liberal feeding a necessity, and, with
good feeding go all the other practices of care good feeding go all the other practices of care and
management intended to formulate and complete a machine for the production of milk from the raw-

Frank Herns, Secretary-Treasurer of the Dairy men's Association of Western Ontario, informs us conducted each year for several vears by has been sociation, will be conducted this year along pracin September prize lists will peusly. Some time to the cheese and butter makers of Western sent tario, and they will distribute these prize lists
among the patrons who wish to enter the compe

## GARDEN ORCHARD.

Prizes for Preserved Fruit
The prize list of the preserved-fruit section of
he Ontario Horticultural Exhibition to in Torouto, November 12 th, 13 th, 14 th, 15 th ald 16th next, has just been issued by G. A. Putnam, Superintendent of Farmers' Institutes. The dis-
play of exhibits by branch Women's Institutes was one of the attractive features of the exhibition last year, and it is expected that the increase in
prizes offered this year will induce a larger numprizes offered this year will induce a larger num-
ber and better quality of exhibits. For a quart ber and better quality of exhibits. For a quart
sealer of canned fruit of hhackberries, cherries (black or red), cherries (white or yellow), goose-
berries, berries, grapes (black or red), peaches, pears,
plums (blue or red), plums (green or white), raspplums (blue or red), plums (green or white), rasp-
berries red, raspberries black, and strawherries he prizes are $\$ 2.50, \$ 2.00$ and $\$ 1.50$, first, sec-
ond and third prized in each class ond and third prizes in each class. A special for
members of any Ontario Women's Institute taking members of any Ontario Women's Institute taking
highest aggregate in prize-money in these classes, highest aggregate in prize-money in these classes,
consist ing of first, $\$ 6.00$ second, $\$ 5.00 ;$ third.
$\$ 4.00$ : fourth, $\$ 3.00$ fiith. $\$ 2.00$, is also ofred.
berry, grape, peach, pear, plum, raspberry $\$ 1.00$ in each class. And fore $\$ 2.00, \$ 1.50$ and
$\$ 1.0$ arizes jelly quince, raspberry (red) $\$ 1.50$, $\$ 1.00$ (red), grape, are ofiered in each class.
$\$ 3.00$ one quart of unfermented grape juice for best and $\$ 1.00$ are offered, and a special 4.00 Ontario Women's Institute, $\$ 6.00$, $\$ 5.00$ For best $\$ 2.00$ stitute, to to display by any branch Women's In vegetables, preserved, canned, dried fruits and put up in any other way, intended to pickled, or jars of qualities for food, not more than two Fresh fruits and vegetables ma, $\$ 8, \$ 5$

## Produce More Early Potatoes.

On July 22nd an item appeared in the Toront daily papers stating that during the previous six $\$ 202,500$ for potatoes The writer of the item above statement, J. D. Wuotes, as authority for operative association of 2,500 farms in a county as Varginia. In six weeks, Mr. Jacobs is reported in this city and neighborhood. The value of the potatoes was $\$ 150,000$, and, in addition, the consignees had to pay 55 cents a barrel in freight, and 50 cents a barrel duty. The freight amounted Now $\$ 27,000$, and the duty to $\$ 25,000$. that the consignees were making the figures given the transaction. But that is not the point to


Getting Rid of the Critter Behind Would Help.
Insects Preying upon Potato Beetles.
I should like to draw the attention of your readers to a beneficial predaceous insect which is fields. Unfortunately, thr some of the potato concerning its habits, it has lack or knowledge unknowingly destroyed, hence a plain dsesipeen of the insect, which will aid in its ready identif ation, together with a knoweldge of its useful ness, will, it is hoped, foster its protection There are probably two species; at least, the ate markings of the adults would seem to indiate this; both forms agree, however in being dedaceous in all stages on the potato beetle. Description.-The adults are about one-half s or more in length, about two-thirds as wide tink bug shape similar to that of the common ment back of thead islack, and the first seg with two transverse black lines; the back is bla in yellow or black bands along the sides, and band. The posterior portion of the under side of the body is yellowish or red, marked with numer ous black dots or punctures. The color marking the sex. The ey bright or dull, depending on surface of the leaf, varying in an the upper to twenty-six, due to the fact that er from fou a perin several plants. Oviposition extends over twentieth of five days. The eggs are about one or in more ar inch long, deposited either in row shiny, with an less circular masses; black and Shinv, with an inverted cup-like top, which is
slightly lighter in color. From the bottom cup numerous small, shiny processes radiate. The egg
hatch in twelve da hatch in twelve days
into small, reddish insects, but in a few hours the head and the body become steel blue in color
while the posterio portion becomes red der in color and is marked with four
transverse black ines. The first
food of the young insects is the egg masses of the potafew days they start
to feed on the young bugs, by ininto the bodies of
their victims, and feeding on the body
juices. These bugs have also been re-
ported to feed on the larval form of
the Tussock moth Which I wish particularly to draw your attention surrounding country produce these farmers of the stead of compelling the city to import them? No early potatoes shippays be a certain amount of large percentage of what is now cities, but a across the border would be unnecessary, if the realized that there was especially old Ontario, to. Early potatoes require no better land, posTheir only drawback is the late frosts; and if the market-gardener is able to meet this emergency,
why not the farmer ? We all know what a wet, backward spring the
last has been. The writer that lies very low, and, being heavy clay, under prained, it would not be considered favorable to we could not get early potatoes to happened that planted some from our store of winter potatoes-
Delanwares, we underst Delawares, we understood them to be. On July
5 th we pulled up a hill (we had 5th we pulled up a hill (we had planted three sets as large as a hen's egg, and that from a lates, some riety in a piece of ground in which some of the
sets rotted from extreme moisturn sets rotted from extreme moisture.
Another advantage of the it brings in a little money at a time of the that when there is little money at a time of the year Onings on the farm. The fariners of York County Ontario, who grow such splendid crops of the
late varieties, ought especially, to profit by grow-
ing a reasonable amount of the earlier kinds.
so effective in some cases in the destruction has been potato beetle that spraying has been rendered un necessary, so it would be well for the agricultur this most useful in
H. H. HUDSON.

## POULTRY.

## A Colony House Used in Iowa

which has been used with fore a colony hous poultry section of the Iowa Adriculture by the ment Station for several years, and which is it lustrated and described in Bulletin 132 of the Larger station. It is 8 feet wide and 12 feet long. eral lines well. $A$ general view of not withstood moving accompanying illustration. The plan shown in house with a shed roof, although a combinor a two curtaine used successfully. The house has front, which provides a large measure of sunlight dow ventilation. The illustration shows the win opposite end. In the latter case, more value is placed upon the sunlight entering through value is
tain opening while the curtains The openings for the curtains are open.
screen, and the curtains are covered with
arrened at the top and

AUGUST 8, $1912 \sigma$
the curtains, is made to open and almit sunligh
directly on the floor near the front wall. trap-door is hinged at the top and provided
a hook to hold it up. This opening is also ered wis wovided in the front netting. A smal the fowls.
The roosts and dropping-board are placed along
the back wall, about two feet from the floor. Thy nests are placed on a continuation of the dior. The
ping board, and with the roost for The skids are made of any good quality back side mension lumber. White or yellow pine in it of oudi-
selected for this purpose ally selected for this purpose, although other kinds of
lumber might resist decay to better The floor, of $1 \times 6$-inch flooring, is laid on 2 age. inch sills, which are slightly nothed onto the
skids. The framing is of $2 \times 4$-inch materint skids. The framing is of $2 \times 4$-inch material,

white or yellow pine being satisfactory, ranged with girts or headers which permit the The siding is $1 \times 6$-inch matched flooring, which | had been round to be warmer and drier than drop- |
| :--- |
| sidine or clapboards. The rafters are $2 \times 4$-inch | siding or clapboards. The rafters are $2 \times 4$-inch

material, spaced 2 feet apart. The roof in made
oi 1 -inch tongued and grooved sheathing cover of 1 -inch tongued and grooved sheathing, covered
with a good grade of prepared roofing. sheathing, which is
dressed on both sides.
> sure bill of materials.
 Sills.- - Seven pieces 2 in. $\times 4$ in. $\times 8$ ft. No. 2
yellow or white pine. yellow or white pine.
Studs..- Nine pieces 2 in. $\times 4$ in. $\times 8$ ft. No. 2
 ${ }_{\text {pine }}^{\text {Girts }}$ and Plates. - Five pieces $2 \mathrm{in}. \times 4 \mathrm{in} \times$.
 Rafters.-Seven pieces 2 in. x 4 in. $\times 9 \mathrm{ft}$. No.
yellow or white pine. $2 \begin{aligned} & \text { yellow or white pine. } \\ & \text { Floor. }- \text { Seventeen pieces } 1 \text { in. } \times 6 \text { in. } \times 12 \mathrm{ft} \text {. No. }\end{aligned}$ $2 \begin{aligned} & \text { white pine flooring. } \\ & \text { Siding. }- \text { Eightean pieces } \\ & 1 \text { in. } \times 6 \text { in. } \times 10 \text { ft. No }\end{aligned}$ 2 white pine flooring; 17 pieces 1 in. $\times 6$ in. $\times 14$ Sheathing. -Twenty-one pieces 1 in. $\times 6$ in. $\times 12$ No. 2 white pine flooring.
Roofing. $-1 \neq$ rolls best 3 -ply roofing. Door.-One 4-panel 2 ft. 8 in. $\times 6 \mathrm{ft} .8$ in. $\times 1$ t
No. 3 Standard Door. Window-One 12 -light 9 in. $x 12 \frac{1}{2}$ in. window.
Finish for curtain frames. - One piece of 11 in. $\times 6$ in. $\times 12 \mathrm{ft}$. C finish white pine.
Roosts and Nests. - Two pieces $2 \mathrm{in} . \times 4$ in. xf
 $\frac{1}{\frac{1}{2} \text { in. } \times 12 \text { in. } \mathrm{x} 6 \text { ft. }} \begin{aligned} & \text { Miscellaneous. }-T w o ~ p i e c e s ~ o f ~ \\ & t\end{aligned}$-in. rd. 12 ft .; 2 pieces $\%$ in. rd. 10 ft.
Hardware. -1 a
pairs 3 -inch wrought steel buts
 inch Tee hinges for trap door ; 3 sash locks ;
rim lock ial long hook for trap door ; 25 pounds 8 d . nails;
8 pounds 10 d 8 pounds 10d. nails; 20 pounds 20d. nails; 20
feet of wire cloth or poultry netting 36 inches

THE FARM BULLETIN.

## South Kent Notes.

One has only to look over this part of our
fair Dominion to realize what a truly grand and wonderful country is ours. Everything looks like peace and plenty for the farmer this year, as far as crops are concerned. Hay was a fair, average crop. Wheat, where it was not winter-
killed, is medium. Oats and barley are both good, and corn, of which there is a large amount
planted, is good. though, owing to poor seed. Farmers will have so practice more care in the selection of their
seed. There is nothing that will pay better. Beans are also good, and there is a large acreage
planted here this year.
TTohacco is the poorest itanted here this year. Tobacco is the poorest
it has been for a number of years. Various causes are given for its backward condition, late,
cold weather for starting the plants in the spring, cutworm taking so much of it, and a dry spell just at replanting time.
Worst electric wind
and
and one of the
rainstorms July that has visited this section in years. Fruits are
all very high here: Strawberries, $\$ 1.60$ to $\$ 2.40$ per crate ; red raspherries, $\$ 3.00$ to $\$ 4.30$ per
Crate
black-caps
$\$ 3.50$ Aiplles are scarce, and of peaches there are practically none. New orchards look first class, and
there were a goodly number of new orchards

THE FARMER'S ADVOCATE.

Progipess at Nova S'cotia's Agricultural College.
Scotia Agricultural College formally the Nova a second seven years has begun. A week of years has seen great progress, and, impelled by this,
the College authorities are other week of still more prosperous years for anyears ago the attendance at the regular and short course of the College totalled 85. This year 450 erely thought ample were this year crowded to the
limit. So the authorition call of So the authorities have answered to the of carpent country, and, as a result, the sound College grounds at Truns is to be heard on the nder following additional buildings are now building that will double its capacity. The main


Front View of House.
feature of this will be an assembly hall $88 \times 60$ eet, affording one-half more seating capacity than seat even a short-course class, let alon small to tors who from time to time attended the ses-
sions.
Over this hall rooms, larger this will be erected two classpresent time. The any in the College at the dation for the rapidly-growing pure-seed department, under the control of the Experimentalist at the College. Provision is also being made in this or the students. Horticulture, $t$
ion in the contemplated additions proper attenalready begun on a new Horticultural Building, ment to the College premises, and will afford much better opporunity to give this department the prominence which it deserves in the Province
of Nova Scotia. In connection with the


Showing Interior of House
cultural Building, provision will be made for an
Entomological Department, with a glass hous attached, where insects can be bred gand house at all times of the year. In this connection, thed College authorities are just now negotiating for a professor of Zoology, who shall also be a Proto lecturing at the College take char addition work connected with the control of insect pests in Nor is the stock end, for which the College has been so famous, being neglected, for their is now
well under construction a horse barn, built on the most modern principles, in which will be housed the magnificent stallions and brood mares, as well as the farm horses which visitors to the College
farm have so often admired. To keep pace with all this, the College authori-
ties have had to purchase extra land, and during
the past year the farm has been increased to the extent of forty acres.
It is most encour dences of progress in thing to observe these eviwe look for the next seven years to show, and greater results than the seven years thow eve

## A Canadian's lmpressions of the Highland.

Editor "The Farmer's Advocate
Of course, I had to take in the Highland So ciety's Show at Cupar, Fife. The town was rather small to accommodate such a large influx of visitors, but quite a number took the evening When we entered the show-yard, we were con fronted by a wonderful display, of the Forestry
Department. A great variety of different kinds of Department. A great variety of different kinds of
lumber, nicely dressed, giving the ages of the trees from which it wres taken. There were also very tine field gates, made of larch and oak, unpainted, so that the quality of the lumber could be seen
There were also some here were also some logs.
I was very much astonished to see such a very great display of agricultural implements and ma-
chinery, such as traction engines, threshing machines, binders, potato-planters, diggers and sorting machines, in great variety; also, a greet by an oil engine which formed part of the machine. There was also a wonderful variety of oil engines of all sorts and sizes; fanning mills, very
different from our Canadian ones. The threshing different from our Canadian ones. The threshing ing from a very small one to bo operated by the 8 to costing 10 bushels per hour, to the to thresh from quiring 15 horse-power, and costing over size, reder type, and some of them of the rubbing cylinlarge bundles, with two stringe the straw into As the straw is not troken strings to each bundle. stacker or blower would not work up, our windchines. I noticed an entirely new style of hay swath-turner I believe would work well, called a styles of milking machines but three or four none of them are yet within the reach of that senting 100 -acre Canadian farmer. Those representing the makers of these machines told me it than 40 cows, and there should a dairy of less make any reasonable return for the investmen One of the makes of milking machines had to be strapped under the cow, and then in all cases the machines. There was also what was apparently a very good refrigerating machine, guaranteed to cool the newly-drawn milk down to 42 degrees, but, again, the cost of the machine ( $(2150$ ) was
prohibitory, except in very large herds There were several beautiful summer houses of peeled rustic work, oiled and varnished, and thatched with heather. It seemed to me that it would have been
wiser to have put on a more permanent roof on such otherwise perfect structures. breeds of horses, cattle, sheety of pigs that we have at the Toronto and London (Ont.) shows. There were no Percheron, Coach or Suf-
folk Punch horses, neither were folk Punch horses, neither were
there any Holstein, Guernsey or Devon cattle, and very few Jorseys, and they were poor repre sentatives of the breed. The few
pigs were mostly all Yorkshires. There were seven breeds of sheep
represented, but there were no Dorset-Horned or Sut there were no
Southdowns, such as we always see at Toronto
and London. The Clydesdale horses were very good, Scotland
being the home breed. They are of that noble One of them are good sollers.
was told. $£ 1,000$, so I was told. The Hackneys were large Hishlay, and would not be popular in Canada animals; they the Shetland Ponies were the center of attraction
 tractable, perfect horses, and so docile and and two of them by little girls ; and when the mares and tiny foals came out there was the weal of admiration and laughter. The little foals one under each arm and walk man could pick up Owing to the foot-and-mouth disease having prigs out in England and Ireland, no cattle or and wome allowed to come from those countries, exhibiting, so that there was not nearly the shom exhibiting, so that there was not nearly the show
of cattle there would otherwise have been.
were a few very fine Shorthorns, some splendid profits on their products. The business worl
specimens of Aberdeen and a number of Ayrshires. The Highland cattle were very good, although the ordinary Canadian horn. A few Jerseys and a few Shetland much made up the show of bovines. There was quite show of poultry, thirteen breeds being represented, besides a few ducks and geese, but there
were no rabbits, hares or Guinea pigs or other were no rabbit
po dear
London shows.

The dairy exhibit was very poor. I have seen The Canadian at a county show in Ontario. grains, fruits, etc., and a liberal supply of liteo ture for all who wished it. The Australian and Rhodesian Governments also had tents, and were anxious to get immigrants. Several enterprisin seedsmen had fine exhibits of grains and seeds.
believe some of them are doing good work originating new varieties of grains and roots

The Question of Hiped Help.

Sir Jingo McBore has a goos hat lays golden eggs for his use If told you her name,
But some folks would give me abuse
t the present writing, about ten days that article will be published-the prospects ar noon. I make this explanation so that people who will probably be busy at their oats when they read this will not think that I am stifl fussing
with the hay. I know I am behind with my work, but, unfortunately, I am behind with my is still a lot of hay in the fields, some of it still
uncut. The fact that uncut. The fact that mine is in the cocks gives me something of an advantage over some other
poople, for it is in shape to stand a little rain.
The last that was hauled in was as good as if The last that was hauled in was as a good as if it had not been rained on-real farmers told me soright, also. Between the "catchy weather" and
the scarcity of labor, one is lucky to the scarcity of labor, one is lucky to get in the hay in any kind of shape. The trouble has been weather and lack of help. While thinking ove the help problem, a solution of the whole difficult flashed on me, and it looks so easy that I wonder know why it is that things like thago. I do not derfully clear to us sometimes. There is nothin new about my solution. I have been mumbling about it at various times for the last couple o gling with the work that the cause of the strug occurred to me. Labor is scarce in the country simply because farmers cannot afford to pay wages cities. An impression prevails in the paid in the
comns and cities that the farmers are too mean to pay decent wages. This is not true. I know now from personal experience that would tha man were to pay cities, and have all his work done by hire to the he would have to be a very skillful business man o come out even, leave alone making a profit for himself and his investment in farm property. Why tant industry in the country-the one that supplies the absolutely necessary food one that supmaterials of other industries. If any occupation
is to have an economic advantage, it should is to have an economic advantage, it should
be the one. But it seems in some way to
be handicapped. The well-organized mater rs and capitalists are able to pay wages that ure labor from the farms where it is needed most.
there is need of an adjustment by which farmers can go into the labor market on terms of equality with all others. Then, and not till then, can
they produce more, and the cost of living may be they produce more, and the cost of living may be
educed if the rapacious corporations can be curbed. I do not care to enter into a discussion emoved by Reciprocity, or by Protection, or by some other means, but it must be removed some-
how. When the manufactarers and capitalists find themselves working at a disadvantape ganize and make the political parties understand heir needs. It is possible that they go too far in this way, and use the power of their organizaing us a lesson that is worth heeding. Farmers make it understood that their purpose is not to reat industry placed on a fair footing with thers. If they do that, a way will soon be found progress until farmers can afford to pay as maod wages as anyone else, and they cannot do that
ntil they get a larger share of the legitimate before it reaches the ultimate consumer. If this is because the business world has undue privileges, the privileges must be wiped out, even though
some business men may be forced back to the some If it is because the forced back to theos not get
land. adver
the advantages to which he is entitled, the ad the advantages to which he is entitled, the ad
vantages must be given to him. Let those who make it theirt business to solve such problems give this one their attention. We will soon know farmers will be able to pay just as good wages as anyone else, and in that way get their fair

As a banker, Sir Jingo McBor Should his bank go to smas The depositors' cash

One of the finest things about farming is its itself, with "few men within it." Sometimes it is a happy democracry in which everyone from the baby up has a voice, and sometimes an absolute monarch, ruled over by a surly tyrant who applied fence stake. But this matter of home rule and dealing with all problems on the farm as if they were personal and peculiar is sometimes many of the troubles in their little kingdoms are felt in all the other little kingdoms. Even such matcer as the sons and daughters and the hired the disheartened owner of the larmg behind only liar to any family or place. I suspect that if we got together and investigated, we would find that daughters and the hired that of the sons and solves. It might be found that the trouble is due to economic conditions that are disturbing all our froubles kingdoms alike. Personal grievances and but when it is found must deal with by himself, of trouble in common, the time has come for cone certed action, in order to remove it. These are politics that properly belong in the domain of politicians, who always have remedies for to the thing, that they know that they are being discriminated against, something would be done, and But if the farmers will simply sit the trouble. grumble because their children are deserting and the cities, and they cannot hire help to take hoir place, conditions will never be improved. It city of help on the farms, and wbout the scarit. Just get busy and see to it that matters are city adjusted that you can pay as good wages as die down to those the drift cityward will dwinnot living unless they can take trolley rides really go to the moving-picture shows. And even these paying too preat a may in time find that they are paying too great a price for their enjoyments and country. There is no use lecturing them about them, but, in order to do that, the farmers must

> Sir Jingo McBore, it is true,
Is a pirate, a cheat He fights through the week With claw and with beak,
ut on Sunday he sleeps in

The work of getting the railways to obey the within eighty rods of level crossings, and to rin is becoming very interesting crossing is reached 1s becoming very interesting. As I mentioned
some weeks ago, the Board of Railway Commis sioners issued a circular letter to the commis that it must be to the law and warning them with some reculority matters lapsed to the old state. Having satisfied plained to the Board, and gave specifice I I comof breaches of the law. I was notified that the inspectors of the operating department were as
signed to the task of seeing if the railways were needing the warning, and once more there is an without civing the signals. Although I am pro cause it would mean so preat a saving of life
eighty per cent. of the fatal accidents occur on
the count sorbing inturest in watching to see wheth and ab
poration can be made to obey the law when cor
the rights of the people are at stake. It is useissued by their general managers-they would be called "on the carpet," and jolted from the would obey this one if the men higher and they would obey this one if the men higher up wanted
it obeyed. Where the rights of the shipper are concerned, if he gets a decision against a railway, it is enforced, because he has a lawyer to represent him. But apparently the people have no one
to represent them, unless the Board undertakes the enforcement of the law. If the railway law is enforced in regard to giving signals, it will be an encouragement go on and force other corpeople to do their duty. If it is not enforced, it is time we knew about it and learned the reason hy. If laws intended to govern the conduct of orporations cannot be enforced, a state of affairs as writing this paragraph the Internationa Limited passed the level crossing near-by, without iving the signals.

Thus spoke bold Sir Jingo McBore
. Men say I break laws by the score As there's nothing to

$$
\begin{aligned}
& \text { I reply with a sneer } \\
& \text { do, and I'm going to }
\end{aligned}
$$

## Brandon Exhibition a Record

 Breaker.Brandon's beautiful fair-grounds this year ac and greater crowds than in any former exhibits live-stock sections put up one of the choicest ex a great display, with hogs and sheep stronger than on former occasions, while horses 'showed little falling off.

HORSES
Clydesdales.-Competition was keen in nearly every class. The exhibitors were : W. H. Bryce houn \& Beattie, Trotter \& Trotter, J. D. Mc Gregor, Jas. Sutherland, G. C. Porterfield, A. McPhail, and F. E. Thompson, of Brandon ; D Brampton, Ont.; Thos. Jasper, Harding ; W. J Young, Griswold ; John Nicol, Beresford; P. S Dawley, Carroll ; 'W. A. Walker \& Sons, Carnegie City; W
Hamiota.
The awards in the aged-staltion casa . H. Bryce, on Revelanta's Heir, by Revelanta 3, John Graham, on Queen's Royal ; 4, Wm Grant, on Warlaby ; 5, W. J. Elder, on Proud \& Beattie got first on Critic, the Winnipeg grand Drampion; 2, A. C. McPhail, on Sir Francis 4, W. J. Flder, on Kirktown Squire. Two-year olds presented a good line-up o high-quality colts 1, D. Hastings, on Radien, by Son of Hiawatha ; , McCallum Bros., on Royal Ideal ; 3, F. E. T. Jasper, on Baron Ivary. Yearling stallions, Bryce on Doune Lodge Revelanta, by Reveanta's Heir; 2, W. J. Young. The male championship class brought out three grand animals. Reved champion, Critic and was afterwards made chat pion over all breeds. The feniale classes were even stronger than the
stallion classes. Yeld mares-1, John Graham,
on Border Rosie, by Hiawatha; art, on May Urquhart ; 3, Trotter \& A. C. StewBella Stewart. Three-year-olds-1, McCallum Mros., on Privation, by Revelanta ; 2, W. A.
Walker \& Sons, on Lady Melvin, by Allandale ; 3, 1, W. H. Bryce, on Craigie Belle, Ty Bonear-oldsyvie; 2 and 3, Grant, on Lady Hopetoun, by
Baron Hopetoun, and Nellie Lansdowne, by Lansdowne ; 4, Bryce, on Doune Lodge Lady bannet , McCallum Bros. Yearlings-1 and 2, Bryce, on oune Lodge Floradora; 3, Grant, on Kismet, by Haid. The brood-mare class, on Glencarnock Picol, on Lizzie Barclay, second going to G. C. vere first Lady Stirling. Nicol and Sutherland e Belle wand the respectively, on colt. CraigHopetoun was made reserve. for Bryce, and Lady also awarded the prize for the best pure-bred
draft mare at the show
The Canadian-bred classes displayed all the deMcPhail got first in three-ye imported animals. Baron Irancis Drake, by Dundrennan. Jasper's Td class; while Bryce's Doune Lodge Revelanta

May Brandon in the three-y Gar-old class, and two-
year-olds were headed by Grant's Lily Lansdowne What Bryce got tirst on his yearling, Doune Lowne,
Floradora.
Lily Lansdowne was made chate female, and Sir Francis Drake champion stallion.
Percherons.-In this breed, exhibited by Colquahoun \& Beattie; W. A. Davidson, of Moore Park; W. C. Henderson; R. Reid, Forrest; A. M. Mc-
Pherson and J. B. Hogate, of Brandon, there was little competition save in aged and three-year-old stallions. Colquhoun \& Beattie won the aged
class with Gasdon, Henderson and Hogate standing second and third, respectively. In three-year-
olds, Colquhoun \& Beattie took first and second Henderson fourth. Jaume was champion of the
Hend breed, and reserve champion over all breeds. A.
I. McPherson had the champion female in Frances. gians. gians. grade, draft and agricultural classes were
The
unusually well filled, every section showing a string of good individuals. CATTLE.
Cattle at Brandon were strong throughout, and
the interest at the show-ring was merited by the exhibits. The awards in Shorthorns and Hereioras were made by Lesiee Smith, Angus, by C. G. Gray, of Chicago, in Abecretary of the Aberdeen-Angus Association; and in the Shorthorns.-This breed, as is usual at the exhern fairs, made the strongest showing. The
exhitors this year were W. H. English; R. W.
Caswell, Saskatoon; H. L. Emmert; J. H. Melick Edmonton; J. A. Watt, Salem, Ontario; G. J. made up of about the same animals as were present at the Winnipeg Exhibition. Competition
was very keen. The senior bull championship went to Watt, on Gainford Marquis, placed over ship, Emmert had three bulls eligible champion- Missie' Prince, the senior yearling; Choice Goods, junior
vearling, and Sittyton Selection, senior calf. Tr yearling, and Sittyton Selection, senior calf. The mpionship. quis was given the grand championship. For senior champion female, Watts' cow, Dale's and 2 nd, were out. The award was given to the which showed stronger, but with an uneven finish For junior champion, Emmert's senior yearling,
Thelma 2nd, and Melick's iunior heifer, Clover Leaf Mildred, and senior calf, Clover Leaf Dor othy, and Emmert's junior calf, Sittyton Rose-
bud, qualified. Melic won on Clover Leaf The herd prizes were fairly well divided, senior
being won by Melick, with Sayer, Watt, Emmert and Caswell in order named. Emmert was first in junior herds, with Melick second. Calves Three animals, get of one sire-1, Melick, on thre by Avondale; 2, Sayer, on get of Glenbrook
tan ; 3, Emmert, on get of Oakland Star. as. Bowman, of Guelph, and O. V. Battles had at practically the same anmals as were presen
0 cases. In the male classes, the senior cham
pionship went to McGregor's Le Roy 3rd of Mea dowbrook, over the two-year-old Expert of Dal-
meny 2nd, also from the Glencarnock herd. The Beauty's Prince, a senior yearling, with Battles junior yearling, Eileen's Lad of Rosemere, close
up. Reserve championship in the female classes was won by McGregor's Violet 3rd of Congass,
and Bowman took the junior championship with Elm Park Pride 12 th.
Herefords. Clifford, Osnawa, Ont., and John Nichol, Beres 'lifford's Refiner was senior and grand champion pion. Clifford took the senior and junior championships in females with Miss Brae 26th and Miss
Brae 28th. Chapman and Clifford divided the Three dairy breeds were present. Holsteins were represented by the herds of W. J. Cummings,
(ilenlea; A. B. Potter, Langbank; Jas. Herriot, showis, and Hamilton Bros., Brandon. A good were not as strong as they should have been.
The male championship went to Cummings on Riverview Hengerveld, with Potter reserve on
Foladine Afffe. Cummings took the lion's share
Coll alvards.
Ayshires were represented by a large herd fown, Que., and smaller lots by Wm. Rraid. Oak
River; W. H. Mortson, Fairlight, and E. J. Vealton, Brandon. The championship went to
thing except third in two-year-old heifers, this
award going to Nealton. Amaryllis of the Wil-
lows, McArthur's noted
Aptep-Haprest Cultivation a Ne cessity championship. All the herd and group prizes The exhibit McArthur. stables of B. H. Bull \& Sons, Brampton. They
had a long string headed by Brampton Sir Rob in, first in class, and junior champion at Toronto
last year.

## The sheen SHEEP,

Winnipeg, and, as at the latter show, the keenest competition centered in Leicesters. Geo. Allison the awards, which were much the same as at Winnipeg.
The swine department was taxed to the ut-
most. Every pen available was occupied with nost. Every pen available was occupied with
hogs of a high degree of excellence. Exhibitors
were : Yorkshires were : Yorkshires-A. D. McDonald \& Sons, of
Napinka W . H. English, A. B. Potter, Langbank; W. H. Mortson and John Campbell. Tam McGregor and Bowman, Forrest; W. H. Mortson and A. J. McKay. Poland-Chinas-F. H. Wien-
eke, M. J. Standbridge, Stonewall, and Oscar Miller, Cheadle, Alta. Duroc-Jerseys-O. Miller and
John Maurer. Clive, Alta W. J. Cummings had a herd of O. I. Chester Whites. This list is prac tically the same as the Winnipeg list, and the

## To Help Live Stock in the West.

 The beginning of last week a series of meetings were held in the C. P. R offices, Winnipeg, Manitoba, for the purpose of "boosting" the live-stock industry of Western Canada. Among those present were J. S. Dennis, Assistant to the Superintendent, and head of the C. P. R. Natural Resources Department, at Calgary, Alta.; A. F.
Mantle, Deputy Minister of Agriculture in Saskatchewan; Hon. Duncan Marshall, Minister of Agriculture in Alberta; Prof. W. J. Elliott, Agricultural Superintendent of the C. P. R. Acheson, General Grain Agent of the C. P. R.; J.
Manson, assistant to the Vice-President of the P. R. ; Hon. Geo. Lawrence, Minister of Agriculister of Agriculture in Manitoba. Deputy MinRutherford; Prof. H. S. Arkell, acting Dominion Live-stock Commissioner ; Mr. Ferguson, of Swift \& Company ; C. E. Dewey, General Freight Agent eral Freight Agent of the C. N. R.
The three larger Western railways and the packing concerns of the West have agreed to cooperate and spend both time and money in trying
to develop the live-stock industry of Western Canada. The indiscriminate slaughter female cattle came up for considerable discussion. The case of certain states in South America was noted, where
it became necessary to make a law forbidding the slaughter of female cattle for a certain number of years. It is expected, according to reports of
the meeting, that something on similar lines will are only too willing to raise stock, if the right kind could be purchased at a reasonable price. Some important resolutions were drafted at the stock interests for consideration. The meetings were called and held under the auspices of the
C. P. R.
F. W. L. Sladen, F. E. S., has been appointed
S assistant in Apiculture to the Dominion Ento as assistant in Apiculture to the Dominion Ento-
mologist. He has had extensive experience in
bees, and is known as the originator of the "British Golden" species. He was born at
He was an hooter's Hill, Blackheath, England, in 1876, and 1892 he published a small book on "The Humble Bee." He visited India in 1896-97 to further study bees. He has been for several years a well-
known contributor to bee journals, and is the known contributor to bee journals, a,

Some idea of Canada's scarcity of cattle may
Some idea of Canada's scarcity of cattle may
be gathered from the report which recently ap-
peared in the daily press, that the first extensive peared in the daily press, that the first extensive
shipments of genuine steers ever brought into Alberta are now being made from Mexico. The
shipment comprises ten trains, containing in all
10,000 head of long-horned steers. E. A. Howse, B. S. A.. for several years principal of the Consolidated School, Guelpe, Ont., a
graduate of the Ontario Agricultural College in 911, and since connected with the Seed Branch Ottawa, has been appointed Professor of Agro-
nomy in the Agricultural College, Reno, Nevada.

Regarding the after-harvest cultivation, Grisdale, Director of Experimental Farms, in a
letter to "The Farmer's Advocate, says: "Our practice here is probably not quite such as would we necessary all over Ontario, for the reason that we practically never sow grain without at the
same time sowing clover to serve either as a fertilizer or, as is usually the case, to be grown for hay the next year. Where, however, we grow Erain following grain, as happens on some of our
Branch Farms in the West, we have found that special treatment is necessary.
". Under conditions as they exist here, where clover is always sown with the grain, it is not sually necessary to do anything to the field once the grass catch is poor, or when the season is very dry, we have found it advisable to roll the stubble land shortly after harvest. This breaks fresh life. If the stand is very thin, it is sometimes profitable to give a light scattering of seed before roling. If the stand is very strong, but seems dirty-that is, in there are more weeds than it with a disk harrow set at a very light angle, so as not to tear up the small plants to any great extent.
here is certainly has been sown with the grain, there is certainly much to be said in favor of
handling the field immediately after harvesting. In fact, in the West, on most of our Farms we ollow the binder with the disk harrow, This
practice has proven exceedingly advantageous in conserving moisture and destroying weeds. If the soil is heavy, going over the field twice with the disk harrow has been found beneficial. In cases where a heavy growth of weeds exists, it furrow as soon after the grain is cut as at all practicable. Immediately after plowing, the land should be rolled, and then disk harrowed, or, if able, the going over the field with this implement once will obviate the necessity of covering the then harrow would have to and In Ontario, I have no hesitation in saying that every grain field whereon clover was not sown in the early spring, or where the catch has been so ing another year, should be well disked or lightly plowed, and packed or rolled and harrowed as soon after harvest as at all practicable. In fact, doing this work in and out among the stooks will
give the best results. This statement $I$ am making not from experience in the East, but rather from the results secured in the West. There seems every reason to believe that this treatment would years, or every year, in most parts of Ontario, where the rainfall not infrequently goes dangerously near to the dry-farming or half-dry-farming
limit, namely, about 20 inches per annum."

## Not Alluping

## Nor is being made this season for

 help to harvest the Northwest wheat crop, and naturally will be taken full advantage of by land It will be a fortunate thing for the country generally when a less hazardous and more rational system of farming is adopted in the West, so that such risk and waste. Late reports from winnipeg are not so favorable for an early harvest, and some of thebe repeated
Another month has passed in the International egg-aying contest being conducted by the British Columbia Poultry Association, Vancouver Exhibi20th ended the ninth month of the contesit. The first ten pens in Class I., composed of non-sitting
broeds, are White Leghorns, having laid 734,661 , $559,556,551,520,512,496,487$ and 483' eggs respectively. Then follows a pen of Buff Leg-
horns, with 482 eggs to its credit, and next in ine come four more pens of White Leghorns. In Class II., composed of the general-purpose breeds, a pen of White Wyandottes is leading, with 606
to its credit. Two pens of Rhode Island Reds
follow with comes a pen of Rarred Rocks, with 509 and a pen of Buff Orpingtons with the same score, closely Collowed by another pen of White Wyandottes, with
507 . The highest yield in Class I. is 734 , and the lowest 305 , twenty-two pens competing, The highest yield in Class II. is 606, and the lowest 295 , sixteen pens competing. Pens coning pen of Leghorns produced 119 eggs. The best performance for the month in the general-purpose class was 102 eggs, by a pe

MARKETS.

## Toponto.

REVIEW of LASt week's market At West Toronto, on Monday, August sth, receipts of live stock numbered 120 cars, comprising 2,381 cattle, 404 hogs, 721 sheep, 119 calves, and 45 horses;
quality of cattle generally good; prices about 10c. lower. Exporters, $\$ 7.25$ $\$ 7.60$; prime, heavy butchers', $\$ 7$ \$7.35; good, $\$ 6.75$ to $\$ 7$; medium, $\$ 6$ $\$ 6.50$; common, $\$ 5.25$ to $\$ 6$; cows, $\$ 8$ to $\$ 8.65$; milkers, $\$ 45$ to $\$ 75$; calves, \$ to $\$ 8.50$. Sheep, $\$ 3$ to $\$ 5$; lambs, $\$ 6$ $\$ 8.15 \mathrm{f}$. o. b. cars.
The total receipts of live stock at th City and Union
were as follows


The total receipts of live stock at the two markets for the corresponding weet
of 1911 were as follows : $\begin{array}{lrrr} & & \text { City. } & \text { Union. } \\ \text { Cotal. }\end{array}$
The combined receipts of live stock
the two markets for the past week shov

$$
\begin{aligned}
& \text { the two markets for the past week shor } \\
& \text { a decrease of } 168 \text { cars, } 2,114 \text { catte } \\
& 2,780 \text { hogs, } 2,225 \text { sheep and lambs, } 24
\end{aligned}
$$ 2,780 hogs, 2,225 sheep and lambs, 2

calves, and 36 horses, compared with the corresponding week of last year. As will be seen by the above table, th
receipts of all classes of live stock wer receipts of all classes or live stock we
liberal, in fact, the cattle supply we greater than the demand, especially
the common and medium classes. result has been that all classes. of fa
cattle were lower in price. In the be cattle were lower in price. In the be
ginning of the week there was a drop 10c. to 15 c . per cwt.; but at the close common cattle had declined fully 40 c Exporters.-Steers, $1,241 \mathrm{lbs}$. each, sol at an average of $\$ 7.45$, or a range o
$\$ 7.25$ to $\$ 7.60$; bulls, $\$ 6$ to $\$ 6.40$; bu it must be remembered that these prices be realized at the close of the week, a they were fully 20
Butchers'.-Choice cattle at the close $\$ 7.25$, but $\$ 7.50$ was paid around $\$ 7$ to good, $\$ 6.50$ to $\$ 6.75$; medium, $\$ 6$ to $\$ 6.25 ;$ common, light cattle, $\$ 4.75$ to o \$5.75. and Feeders.-Steers, 1,00 So., for short-keep purposes, sold 5.50 to $\$ 5.75 ;$ steers, 800 to 900 lbs
$\$ 5$ to $\$ 5.25$; stockers, 500 to 700 lbs , old at $\$ 4$ to $\$ 4$ : 7 Milkers and Springers.-Milkers and pringers sold from $\$ 40$ to $\$ 65$ eac with a few extra quality cows at $\$ 10$
Veal Calves._-Prices ranged from $\$ 4$ to 8 per cwt. for the bulk, with a ew-milk-fed veals at $\$ 8.25$ to $\$ 8.75$.
Sheep and Lambs.-Receipts were eral, and prices easier. Ewes, ligh
 7.50 , a drop of 50 c . to 75 c . per nce the beginning of the week.
Hogs.--Prices for hogs were 20 c , 25 c . per cwt. easier. Selects, fed
fored atered, sold on old at $\$ 8.70$, and $\$ 8.35$.
Horses. -There has been a fairly stead trade reported at the various marke hands, at the following prices: Drafter $\$ 225$ to $\$ 275$; general-purpose, $\$ 175$ $\$ 225$; expressers, $\$ 200$ to $\$ 250$; drive $\$ 100$ t Wheat.- Mo. 22 red, white or mixed,
2 $\$ 1$, outside points; Manitoba No




Little Trips Among ;The Eminent



Port Daniel over - an American :-A Quaker 1-Why
not have a painting by this wonder ? the king, became his pomen, and eve ne of the founders of the Royal Academy, and, in oie particular
at least, exercised an important influence upon art. Before his time all Englishtumed as Greeks and Romans. West, tercmined the ridiculousness of this, de judgment, and, when painting his 'own of Wolfe" (now in the Dominion Art Gallery, Ottawa), attired his soldiers in
modern garb. The innovation was sufwas confirmed when Reynolds, after
studying it a second time for hall
this picture will occasion a revolution
in art." Subsequently, West painted many his-
torical pictures torical pictures, most of which were on very large canvases, for the King
(George III.); also a series on the prog(George III.); also a series on the prog-
ress of revealed religion, which, after a solemn conclave of church dignitaries, found place in His Majesty's chapel, the sum of £21,705 being paid him for the which he completed. On the death of Reynolds, in 1792, he
was chosen as President of the Royal was chosen as President of the Royal
Academy, a position which he held for Academy, a position which he held for
28 years. He was also offered a Knighthood, but refused on the ground thigh he could not afford to leave his posterity enough to maintain the rank.
But to West as to most others, a duller day-but for him a short onedrew near. When the mind of the King became clouded, his strongest ally was lost. The work on the Windsor Chapel
was suspended, and his salary of s1,000 a year stopped. Is salary of $£ 1,00$ Again he gave himself up to painting
for the public, and, for the public, and, at the age of 65, Healing the Slck," primarily, "Chriat for a Qualker Hospital in Philadelphia. The picture, however, was placed on ex one another to see it, and it was upon one another to see it, and it was finally
sold to the British Institute for $\mathbf{3 , 0 0 0}$ guineas, a replica being sent to philedelphia.
After this, the
other huge can After this, the artist took to painting
other huge canvases, but the sell. After his wife's death, in 1817 ,
his his own health broke down, and he sank rapidly, although he was calm and cheer-
ful to the las. 1820, in his elghty-second year, buried near the grave of Reynolds in St.
Paul's Cathedral Paul's Cathedral.
The pictures
The pictures now considered his beet
are, "Death on The Death of Wolfe," "The Hatrle,"

The Bay Chaleup Portage By Margaret. Grant MacWhirter. Hali a century ago, the District of Gaspo-as it was then called-was a very America. In winter it in was wirtually shut off from communication with the
outer world. The inhabitants in the various settlements, with fewts in the raised only enough beef for their own consumption. There was no outside market, and little, if any demand, as in ber-woods,-pork being the staple. Every fall a number of farmers would cross the and with fat porkers to New Brunswick, supplies of groceries and clothing. With the advent of brighter day dawned for Bonaventure County; at last there was a market, and good wages. When winter came, the
vessels carrying supplies were compelled to go into winter quarters. The workmen employed on the railway at Campmust be fed; so the supplies whe line, by horses the whole extent drawn county. Many persons were engaged in as many as tramc, there being often at once, loaded with fish,beet the road The eggs, hay, oats, etc. travelling as much as ong, a number forty miles. The cold and diffeultion endured on this long, exposed road aloo Chaleur northern shore of Bay de While thinking how much we mater reading. ent day owe to these pioneers, the pres-

THE FARMER'S ADVOCATE.
FOUNDED 1866
one of the eariest portagers to the
C. R. Works a matapeoio. This mal
can tell the exact location of every mile can tell the exact location of every mile
post between the ocunty- lime east an
Katapedia, this knowledge useful on dark nights
When interviewed, said he, "I remm-
ber once travelling in company with an
 Whe herseaken by a heavy snowstorm
The had all they could do to dray their loads, while we trudged behind ū to our knees in snow. Truated captaind up marked: We must keep the wind on
our quarter, or wetll never reach the our quarter, or we'll never reach the
town.' Following his advice we reached our destination in saftety,-being more fortunate than another man, who was
lost on the ice till daybreak. Again,
travelling alone with oad became impassible, and I was compelled to leave them and go a quarter
of a mile tor help.
On my return, only of a mile tor help. on my return, only
their heads were visible above te dritt.
We dug owt the horses and seaking We dug out the horses, and, seaking
shelter, I remained three days till the
sen storm abated. In those days the dritts
were deeper and harder, and the roads more impassible than nowadays. This January storm reminds me of old times. You will be inclined
when I tell you that ${ }^{\text {to }}$ I be incredulous
have seen the snow so deep that our horses drove over of Carleton and wire in the neighborhood pieces to the top of the poles and raise the wire,
I well remember a crowd of us once
overtook overtook a man insensible in his sleigh
a considerable distance from the shore All we could do was clap his hands, tr ing to restore circulation, till we reached tance by the proprietor retused admit that the man was drunk. Going to
near-by store. near-by store, a doctor was summoned
and atter considerable difflculty the may recovered. On another occasion, in company wit
another man and four beef, I had an opportunity to teast wit taithtunness of a bull-terrier who had ac companied me for years. He lay upon
one of my sleighs to guard the load.
We and feed our horses; looking tro dow in the clear moonlight, we saw dog leave my sleigh and help himself Another trip ai stranger joined our part And inquired a iis many doge joined our pould watch the
and loads. I replied that he would watch
mine. Next morning the man found that mine. Next morning the man found that
the tavors of the bull-terrier did not ex end to his sleigh.
orter in spring when the roads were sort with as much as five or six fret of
snow, it was no easy task to get along, and frequently tested
best Canadian horses
occasionally the monotony of the jour
hey was lightened by amusing incidents. It was in the spring, and the roads were
in vety bad condition. There were six In very bad condition. There were six
horses in the party. We all called nt
nous a house to get super and rest our
horses. Among the party was a commercial traveller. While we a were at
hending to to
our thought a hot drink would be a comfort ous after our strenuous toil. As begining
housenold
househo
onvulsed with in laug found the traveller bottle testified to the relish with empty the women despatched the liquor.
long, monotonous road was broken pleasunt calling - places, where wo were
served kindly and generously
 portager made al life-bargain
handsome, capable daughter prietor of a "calling-place

## cold and suffering

 siege of sickness which attackea me on
one of these expeditions. at my destination some ten miles above Matapedia, in January, and found all the
bunks in the railway shack bunks in the railway shacks qull, so had
to sleen unon the foor to sleep upon the loor, in which there
were wide seams.
In the morning throat was so sore that $I$ could not
swallow.
Sick as I was, I immediately swallow. Sick as I was, I immediately
 he old French doctress, Mrs. Arsenault.



Metapedia Village, Que
three places, discharging an enormous "The only difference between a negt go home, -but weak and useless, and to and two dark men is that he can face able to work till spring; but I believe fore it."
my chances would have been poor had I My informant paused, then in old woman other hands than the famous iniscent tone, remarked: One incident more. Why I thought I man in many ways. He a wonderful had talked long enough. Let me see. markable powers of endurance in his About twenty-five years ago, my old hands. Frequently have I seen him
friend, the ex-sea-captain and $I$, left for throw Gascons, to bring up loads of fresh cod with bare hands and the snow, while and herring, which were still being $\begin{aligned} & \text { with bare hands and the mercury twenty } \\ & \text { degrees below zero, he laced }\end{aligned}$ caught, although it, was Christmas week. with a rope. When I remonstrated with
The day was very cold roads were in pretty good condition the him for subjecting his hands to such ex$\begin{array}{ll}\text { there was only about a foot of snow, } & \text { posure, he calmly replied: } \\ \text { 'It's cold, but not so cold as I ha }\end{array}$ the severe cold and drifting snow made wish on the banks of Newfoundland. it very uncomfortable travelling. We then I would not te and my hands; only reached Bonaventure the first day, then I would not be afraid to challenge
onarley Woods.' Poor fellow । He has


Street in New Carlisle, Que.
Next morning, we pushed on, althoug
ther. Reaching St. Godfroy, we wer
shivering, r warm slivighr-rolesell. wrapped up
Suddenly my seatcaptain exclaimed.
'There's Suddenly my sea-captain exclaimed: talked of an "election-dodge." hads and $\begin{array}{ll}\text { "Is it a ship caltain?" I inquired. } & \begin{array}{l}\text { long portage along Bay de Chaleur th } \\ \text { thing of the }\end{array} \\ \text { "We'tl }\end{array}$ reply. There on an open sleich, seated upon load of beef which was sent ain the first upon the driver's head of any kind, exposure, and was ondured my share hose old "Scotch bonncts" wich were trat an easier and specedier thanhe of

Bright Prospects for Ipe land.
Ireland, says a writer in the London
Statist, a leading organ of financo economics, is facing a or bright fut and The "wholesale and heartless evictions from thir homes of her starving peasan-
try", have come to an end hy th division of the land among the preasantry. There is now no "land war." The
Established Church, tong at Estabistesion," h, long "a bone of hit
ter contention, been abolished bit population is growing rapidly and a are reminded, a numerous population is is quasite of an ungrounded greatnoss. the population of Ireland never can as rapidly as that of Great $\begin{gathered}\text { canitain. } \mathrm{grov} \\ \text { Bra }\end{gathered}$ Ir Ireland has not iron and coal like ral re Ireland being a const the United Kingdom will continue to en. joy the advantages of the strong Goveriment of the kingdom. Ireland also
being an island, like
Great
Brita the same geographical advantage the ter bas. Furthermore, she has numerous
most convenient harbors. Finally, though and iron as is Great Britain, yet she has a counterbalancing advantage in an has ceptional supply of water-power. Her water-power is sufficient to enable her पreate a very great and diversified manu
Yacturing industry, and it it certan capable of supplying her with what prob ably will prove to be the greatest power as the material accessories to for then, ${ }_{\text {prosperity }}$ are concerned, Ireland inal ceedingly well dowered by nature. If we
were to sto were to stop here every impartial per-
son, we think would son, we think, would agree that we have
sunftiently disposed of the obiection the
Sto Ireland cannot support a much larger population that she has at present."
Next the Irish considered the allegation that qualities which enable not possess those so breal economic prosperity and consequenty to increase and multiply."
This writer sto land's poverty have been "the causes of Iro
series series of confiscations, not of the chiet
and of thobles only, but of the whole body Wegan with Henry II acts of spoliation William III. In more recent tinued the "dread of Irish competition", "led to cipient induntries of nearly all the ina cause of Irelnnd's Ireland." Lastly, found in "the forcible introduas to land population against which the Catholic very outset." ${ }^{\text {Since }}$ Se that trom the causes of demoralization, ignorance Irish people are being removed, and the manage their own own given the right to
local affairs in their
mat own way. All experience teaches us to
oexpect. . .arpid ent
prosperity. Other changes and reforms have led Che didappearance of the Ireland of
Charles LLever, the distracted land of the
Corecien (Corcion Act and the "Invincibles,") or the quote $\begin{aligned} & \text { further his sentences on } \\ & \text { qquickening influence of of responsibility }\end{aligned}$ "The disestablishment of of the Irish tention between what was a bone of con-
botides two great religious bodies who have kept the country in
strife for so long. Finally the protese made with buying out the the landlords has has If all creeds and all parties, that is
say, agree to differ atention to difier, and turn their best
opportunitios making the most of their Ireland should dhot become no reason why prosperous country. Everybody who pays attention to such matters is aware that a marvelous change has come over the
spirit of the Irish pente twenty years; that the old Ireland is disappearing and a new Ireland is taking it place, that there is a passionate de-
fire for education; that faction is losing its
are enger to take advantage of opportuni-
ties, less ready ties, less ready to engage in feud-which
sinply means that as the old evil state of things has passed away the people
have turnoed recognized that away from agitation and
fault it will be their own the tault it they do not make themselves
conifortable.,


AUGUST 8, 1912
THE FARMER'S ADVOCATE.
Hope's Quiet \|llour.
Make to YourseIves Friends.

| ve been asked to write on | mean that -what is it ? Does de should waste our |
| :---: | :---: |
| j of "Sociability and Neiphborliness," | lives, and the valuable time or |
| course, II can't be expected | ehoust and acquaintances, by rushing |
| d judge of my own writin | everything under |
|  |  |
| thin |  |
| rs-one is the real Presence of the | ful |
| the |  |
| two points of view; one is the | - |
| ing of heart and hands up to God, the other is the reaching of heart |  |
| hands out to my fellows. | Christ, or lean like the beloved disciple |
| ctly, one of my readers thinks the lat- subiect is not yet exhausted | imen all |
| subject is not yet exhausted, so only too glad to talk some mosme | surely run our souls thin if we are so- |
| ath loorilo |  |
| ur Lord gives us some unex, | being a link between God and our com |
|  | who never mind our own business but |
|  | are always meddling in affairs which |
| righteousness; that, when it s | no concern of |
| tail, they may receive you into the | We want to are wo lo live |
|  |  |
| $\begin{aligned} & \text { V.). Then, in S. Luke xi } \\ & \text { are given for planning th } \end{aligned}$ |  |
|  | neigh |
|  |  |
| tions, in the expectation that they will |  |
|  |  |
|  |  |
|  |  |

earth must be righteous as well as mer
citul in His demands.
Yet sometime
somen the work seems crushing and overwheln ing. Our Lord's great commesion to
His Church was to make discintes the nations. Yet the workers were fem and could not cover all the ground, the mere fow
and heathen were dying every minute, and it
vas impossible to revch was impossible to reach them all in time -unless some of them could be reached
after death.
He Himsell-the One Who came to seek and to SAVE all the souls of men-devoted His earthly life to those He were His nearest neighbors-the peo-
ple of Israel. If this command to malk disciples of all nations is not an impossible one, there must be plenty of
work waiting for us on the other side of death. God told the Church to do this
vork, and Ho is He will certainly give the needed oppor-
tunity tunity.
The greatest and most important kind of neighborliness is the comforting (that
is, strengthening) others with the lort God has given us. with the com-
In order to bring them help, we must
in livep alwar to
in in living touch with Him. The nearest
and surest way to our neighbor's heart and surest way to our neighbor's heart
is through the Heart of God, and the only way to hold closely to God is to bo loving and kindly towards our neigh-
bors.
But if this is only beautiful theory, it will not accomplish much. Love must be translated into action, and then
it will bulld itself into habit and enduring character. Look up joyously into the Master's
smiling eyes, many times overy day; ask
 turn. When I said this was "unexpecteo the reward promised by our Lord. In the one case He says that the friends
you make by the iudicious use of money you make by the judicious use of money
will, atter this life, throw open their eternal mansions to you; in the other
case He says that hospitality shown to those who cannot make any return o earth will be paid back in full atter this
life is over.
The
critics
who declare that Christians are inspired by sellifa motives, unwilling to do anything without being paid for it-although willing
 it is accumulating compound interest in God's safe treasury, therefore it is good ,olicy to invest as much as possible in calculating selfishness, doesn't it? But the Master of men knows the fuman heart. As a matter of fact, the
hospitality shown generously ${ }^{\text {to }}$ those hospitality shown generusty to those
who can make no earthly return, poured
out trenly even to those who are unout freely even to tho
grateful and unloveable, never makes the truspertable person more selfash. The have ben faithtul in their use of the
"unrighteous mammon",
placed in their hands as a trust, unike the false riches
which this world offers lify the soul. The rewards held out for
our encouragement are spiritual rewrds
 don't give away a dollar here in the exthere, but, in the very giving, we learn,
little by ilittle the inspining truth that spiritial
infinitely
gains are are even in this world,
more precious the then infinitely, more precious than gold or
diamonds. You spend a dollar or two in giving
a little help to a neighbor.
Are you that much out of pocket, even for the
moment ?
Certainly
not t You are been clear gain to you even now. has When our Lord was asked a direct question about the duty of being neigh-
borly chose to duts aitide his an certain man even put his life in danger, in order to and an enemy whom he found lying by cratitude, but left money to wait for this stranger atter he had placed him in sate hands. Was he poorer or richer
for the time and money spent?
Ho was Tor the etime and money spent ? Ho was
a nobler man than beforea-and which of us would not think money well ex-
changed for goonnes-and his example
has been an oinspiration to millions. Outside of an any reward in heaven, don'
you think his neighborly kindess, "paid" You think his neighborly kindness "paid"
ar better than the sell ish indifiference of
ate two men who were so intent on

[^0]Good Rural Schoolhouse in Minnesota.
The pears upon my trees are still but But they will ripen in the summer sun.
Our vanity would do all things a Our vanity would do all thingss at once;
Giod takes His time, and puts us all shame. I am for trust, for working with a will,
And waiting long to see what DORA FARNCOMB.

## The Ingle Nook.






Dear Ingle Nook Friends, - In a week or and the chances are ten to one that a new teacher will be coming to your a tion. Have you thought a bit about
just Or have you are going to receive her? about her ?-You should anything at all cause, if you have children, there is no one else in all the neighborhood who must really $h_{\text {ave }}$ so much to do with
you and yours as this little new teacher. In the first place she is likelv to be very young. Town and city teachers
these days stay on ad infinitum less 1), and little wonder. Town and
city school - rooms are city school - rooms are usually sanitary,
well-lighted, well-heated, well-ventilated, there is only one class to each room; the equipment for teaching is sufficient-
maps, number - boards, charts, plenty of maps, number - boards, charts, plenty of
blackboard space, sand-boards, plenty of colored crayons and plasticene and material for domestic science and manual training-all the paraphernalia, in short,
which go to make teaching comparatively a multiplicity of Moreover, there is choose from; the streets are likely to be kept reasonably walkable in winter; a ail the allurement of concert and there ie and lecture hall to be counted upon. oo the teacher counts herself lucky to once there she stays, provided, and when once there she stays, provided, of course, not put in appearance,-charming enough to throw to the winds all considerations of present advantages which may have oc-
cupied Miss Teacher's little haad. Judg ing from the infrequency with which town teachers marry one is tempted to ask : Does Prince Charming so seldom come to
these intelligent young women? Is he not oharming enough, as a rule, to come up to their ideal? Or is he, in the city, girl, who by the charms of the society tain, and dress, and look hor tiest at all times and seasons ?
But we are getting fo
When, on the contrary, the goung teacher goes into a strange rural section
to teach, she may, or she may not "up against it." There are some places in the country where there are practically all the advantages of the town-at least
all that count, plus a to be found in the town at all. There are others, strange, backward placese where nothing is comfortable, and where rant and uncouth that the are so ignovery reason of her superior education and refnement, is looked upon almost as an enemy. "If she dares to lick my boy worthy ratepayers, and the spirit of the this, proceeds to be "smart" and act his. worst. Between theee two types there teacher who is of cing into simply has to take chances. what it should be the schoolhouse not the name of common sense, why it me, in oo many country schoolhouses are tha mere shells aganst the bitterness of our building in the surely it there is one comportable it is the schoolhouseuld be children cannot study right when The eet and fingers are tingling with the cold, and while in school they cannot

Warm. Neither can the teacher do her
work properly when she is cold, and the chances are that she is the coldest of all. She has to work, a great part of the
time, at the blackboard, and pitying the children, she is very likely to tet them stand as long as possible with their books
about the stove. They don't work about the stove. They don't work
there; they jostle and nudge, and grin at one another, but, while there at least,
they thaw out; meanwhile they "take up" a goodly proportion of the heat, and
the teacher away back at the blackboard treezes.

I were the Women's Institute all rolled into one, there is one thing that
I would do, in I accomplished nothing elee. That is, I would work, and
preach, and scold, and collect until every schoolhouse in the country was thorought ly comfortable, and thoroughly equippe with everything necessary the make tea you know that the most important worl
in this country is being done in just in this country is being done in just
those little ugly, oblong buildings ? Com-
pared with the results that are really pared with the reenults that are reall
accomplithed by even a fairly poor teacher the work of the strongest Short
horn Association and Holstein Associa tion and Apple-growing Assoclation in the Dominion sinkg into paltry insignifl-
oanoe. What signifies the straight back andi. smooth flanks of a Shorthorn, or th red skin and thirteen-inch-around circum
ference of a Northern Spy when comparee with the mind-and-soul growth of
So have the best of schools, then put
the best teachers possible in them, eve though you have to pay salaries of $\$ 700$ er annum to obtain them.

I do not say that the teachers on th whole are doing the most satisfactory
work. Rural teachers seem, as a rule, to be too young nowadays. They get through too soon, and are out moulding
the character of children before their own the charauter of culded. For years this has been the case in the country schoole, for there they are continually changing.
After a year or so they dritt into town Arter a year or so they drift into town
schools, or marry some young fellow of she section, or become diggusted with the cold schoolhouses and other things, so throw it all up and take a course at
bustiness college. Other fledglings come to take their place
sohool becomes a continuous kindergarten for teachers. I do think the teachers more sure of themselves. I do think they should, on the whole, know more about what is happening over the big griculture, and more-immeasurably more of all the interesting things that are to
 what a pititul joke is the knowledge that " Nature Study"
school teachers should be more sensible the tremendous responsibility resting upon them. You can't make boys and
girls of eighteen or twenty very sensible of responsibility, so the only way out of
it is to make conditions so pleasant and it is to make conditions so pleasant and
so inspiring for them that they will stay oo inspiring or tham and developing themselves as the monthe go by, encouraged by the sympa-
thy of the section to do better and yet better work, inspired by the conversation of intelligent fathers and mothers to co-
operate with them in the great work of making noble citizens out of the boys and
girls now in the puhlic school,--to-mor girls now
row where?

And now, after a long circumlocution I
am back to my starting point. Your new teacher is likely to be young, -so
pitifully, painfully young Mother pitifully, painfully young. Mother her
don't stand ofl and coldly criticize, - per
haps you couldn't do any better in her place. And you may stake your bottorn dollar on it that she is homesick.
course she is proud,--she thinks tha course she is proud,-she thinks that
acknowledge homesickness would be
give in to a weakness-and so she kee give in to a weakness-and so she keeps
a brave face. But you don't see her when when, with quivering lip she look out at the big trembling moon and thinks "Well, the folk at home can see that
how,"-the dear moon, the only conn how,"-the dear moon, the only conne
ing link with the blessed home folk !
If you could see the little teacher the don't you think you would invite her to tea just so soon?
Maybe, too, she will find trouble in get-

## th

ting a boarding-place. $\qquad$ If your home is
y," and you know about it. You don't need to keep a
boarder,--we know that. A stranger is a nuisance about the house;-oh, yees,
maybe. But then think of the forlorn maybe. But then think of the forlorn,
homeless
little teacher. room up in the corner that no one uses, Might it not be a a little paradise for her
contrasted with the environment. she Contrasted with the environment. she
might have to accept somewhere else? Might it not be worth while to put one's
self out once in a while for the sake of someone else ?
Toistoi's creed was that. we are doing wrong if we do not do the greatest
amount of good that we possibly can in
our journey through this life. Think about it.
And give the teacher a chance. Don't condemn her off-hand if the bad boys "cuat
up" on her at first. Turn your attention ap on her at first. Turn your attenltion
rather to the boys, if they are yours and tell them "where they
And if the lititle teacher has to punish
your child don't i et your husband ramyour child don't i et your husband rampage down the road to the schoolhouse
and shake his fist in her face (if you have and shake his fist in her face (if you have ly), and talk so loudly that hall the sec-
ton can hear his voice tion can hear his voice, and the little
teacher shakes in her boots. She may shake, but you may depend upon it that
she will despise the man who does thet to the bottom of her heart; she will $\qquad$
mustard, 1 tablespoon of black pepper,
4 pints of vinegar, 3 cups of sugar, $\frac{1}{2}$
z. turmeric, 5 cts. worth of cele oz. turmeric, 5 cts. worth of celery seed,
cup of flour. Boil the get the strength; mix the ingredients egar and let come to a boil. Pack dressing over them; seal at ornce.. I hope
the household of "Jolly Wife's" the household of
ish this as we do Someone spoke of a "badge of distinc-
tion for the Ingle Nook friends." Do not nearly all the writers to this department
belong to the WWen's Insituta ? The Institute pin is a very neat design and has been the foundation for several inter-
esting conversations for "ships that pass in the night," as I have found with pleas
ure. Why not home?

FRENCH MUSTARD PICKles. Two quarts cucumbers, 2 qts. small on-
ions, 1 head celery, 1 cauliflower, 2 green tomatoes, 6 green peppers. Soak all in
cold salt and water over night in sepacate dishes. Cut up fine. Bring all to separately, onions last before mixing with
the paste; bottle cold.

Paste :-1 gal. white wine vinegar, $\$ \mathrm{lb}$.
best mustard,, oz. turmeric, 2 cups
lour, 6 cuns sugar


Deciding the Case
to alow-down cur, as he is liko girl. But I know that your husband isn' much displeased, why not go gently to the little teacher yoursilf and talk it all out, beginning by asking the whole truth
of the matter from start to finish. know your child is not perfect more than most other children. Mrs. B.'s son may have hit your boy, but then Mrs. B.
thinks her boy just as perfect as you think yours. Very possibly the teacher ween the two. And if it should fall out that your child
has been in the wrong, why, give in to it, and try to mend matters. "Giving
in" is noble, you know, when one is on
the losing side. the losing side. A stitr-necked never-
give-in in a bad cause can never be any-give-in in a bad cause can
thing but contemptible.

But. dear me, my space has all run
away. I commend the little new school
 mostarl plekles. (Held over from last year.)
Dear Junia, - - $n$ reply to the request of "Jolly Wife," Huron Co., for a quood reFive quarts of small cucumbers. cut
crosswise, 1 q. s. silver skimed
onions, 1

this letter, I will close, wishing " Th
Farmer's Advocate", every success.
COURAGEOUS CORA.
Middlesex Co.
We thank those who have contribute mustard pickle recipes were's. sont man that the first were published and the rea had to stand over. Now they are in
good time for this year's pickling senson

Some Seasonable Recipes
Tapioca Pudding:-Wash 10 tablespoons
tapioca in warm water, drain and put in a pan with 1 qt. rich milk. Set the par into a kettle of boiling water and stir un-
til the pudding thickens a little, then add 2 tablespoons butter, sugar to sweeten slightly, and the grated peel of half a
lemon. Cook until done and Com, Cook until done and serve cold milk in a saucepan. When it is scalding hot add 3 tablespoons cornstarch blended in a little milk and mixed with yolks of 3 beaten eggs, $\frac{1}{c}$ cup sugar and flavoring
of lemon or vanilla to taste. into a baking tin and bake. When done spread with a meringue made of the
whites of the 3 eggs beaten with a little whites of the 3 eggs beaten with a little Serve with cream. You may epread with jam before putting the meringue on

Sunday Pudding: -Boil $\frac{1}{2} \mathrm{lb}$. breadcrumbs in 2 cups milk. Sweeten and
flavor, and when thick stir in the yolls. stir in the yolks dish and bake in a very slow oven hour. Next spread with jam, and over this spread a meringue made of the
whites of the eggs beaten stiff with whites of the eggs beaten stify with a
teaspoonful sifted sugar. Brown in the top of the oven.
Pop-overs :- Beat one whole egg and the yolk of another until light. Add $\frac{1}{\square}$
cup milk and beat well, then cup flour and teaspoon salt and beat with an egg fleater until perfectly smooth, then beat in a second half cup of milk. Turn into deep buttered patty-pans, al-
ready heated, and bake in a rather hot oven.
Breakfast Corn-cake
:-Cream two-thirds a cup of butter. Beat into it one cup
of sugar, the yolks of three eggs, and,
alternately cups each of cornmeal and white flour sifted with one level teaspoonful of soda tartar. Lastly, beat in the whites three eggs beaten dry.-Boston Cooking A Fruit Cream :-A smooth, velvety fine dessert with fruit is especially desirable at this season. Put on a pint of milk in the double boiler. Beat two eggs smoothly two tablespoonfuls of flour to a
paste. Beat this with the paste. Beat this with the eggs until
very smooth and light; then add it to the hot milk, and cook until add it to the
ened, stirring thickened, stirring constantly. Add two-
thirds of a cupful of sugar or more if a very acid fruit is to be used, a pinch of salt and a little vanilla or flavoring ex-
tract suited to the fruit. If possible let it become ice cold. Just before serving stir in a grated pineapple, bananas peaches, thinly sliced, or any other high-
flavored fruit. flavored fruit. The fruit should also be
as cold as possible. as cold as possible
Mock Birds :-Sel
Mock Birds:--Select the largest cut of
veal cutlets, and have them cut less than
hal half an inch thick. Cut each one in two
pieces removict pieces, removing the bone. On each plece
put one tablespoonful of dressing : roll up and either tie or fasten with toothpicks, like skewers. Fry till brown on all sides in bacon fat, place them in a spoonful of salt, one-fourth teaspoonful o pepper, and a little cayenne for "birds." Add the fat in the frying-pan and one cupful of boiling water, and Blueberry Muffins:-Cream hour. cup butter and $\hat{4}$ cup sugar. Add one beaten egg, and beat all until light. Sitt
2 cups flour with 2 teaspoons baking powder, and add to the first mixture al add 1 cup blueberries, turn into buttered
muftin tins and bake 25 minutes in a muffin tins and bake 25 minutes in a
moderately hot oven. Sour Cream Sulad Iressing :-Whip Sour Cream Sulad Iressing :-Whip
cup thick sour cream until stiff, and then
stir in vinerar



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one bird to the acre, it would mean the
destruction of 600,000 more bushels
in insects during the five months. Can we
therefore afford to sacrifice the life oi even one of these industrious servants?"' life. the woman who keeps young. She doesn't allow her face to reflect
every mental perplexity. She rests as every mental perplexicy,
she goes along-that is, she doesn't keep
going until she can't rest. She humora going until she can't rest. She humors
her eyes instead of tormenting them. She doesn't strain them by injudicious
overwork, and she remembers that conoverwork, and she remembers that con-
stant blinking tends to make the net-
work of tiny wrinkles around the eyes that are so disfiguring to an otherwise
youthful face. She takes good care of youthful face. She takes good care of
her hair and keeps it glossy and well
dressed. If her hair is gray she wears colors that are most becoming, pink,
gray, mauve and white. She makes the
best of her good points, and any of her best of her good points, and any of her
points that are not good she tries to
improve. She remembers that hands show age almost as much as the face,
and she cares for them accordingly. By
By constant manicuring and by treating the
skin to frequent applications of cold cream or a good lotion, and using the attractive looking. avoids fussiness in dress, keeping to mor simple lines and carefully avoiding hats that are too large and materials that
are too pronounced in pattern By are too pronounced in pattern. By
closely following this rule and selecting crosely following this rule and selecting
her clothes to suit her own individuality,
she will tole she will take at least ten years of her age and help to prove the popular
theory that there is no such thing as theory that there is no such thing as
the modern woman's growing old. In the modern woman's growing old. In
planning her gowns she has the good
sense to tnow sense to know that she will appear
younger in a dress which is really suit younger in a dress which is really suit-
able and becoming than she will in one adapted to the age whicn she wishes to

## Cunningly - Designed

 House Dress.TThis is a house dress that serves the
purpose of an apron or a wrapper, yet looks neither. It fills all the require-
ments of the woman in the house ments of the woman in the house, in the
camp, or in the garden, for it slips on easily over any dress, covers it completely, and Yastens almost of itself. It slips on like a coat, and the belt is car
ried through ried through a small opening on the op-
posite side of the garment; then using posite side of the garment; then using
the loop provided for it at the waist.
line, a second belt is drawn around to
the back, where all one has to do snap the fastener, and it is on. It so neat, trim, and tidy, and at the sam
time comfortable, that it appeals in mediately to every woman's innate sens of cleanliness and economy, because cost. It is made of fashionable percale in a gray and white nurse's stripe, ir blue chambrays." The above is what the well-know fashion magazine, "Vogue," says of the
unique house dress which was ad vertised in our issue of July th. The garment is just the thing
for hot weather, worn as a dress-not an overdress-as it requires very little
underclothing. Try one. Address, The Baldwin Garment Co., 589 Richmond St.
London, Ont. Price, $\$ 2.00$ to $\$ 2.15$

The Beaver Circle.
OUR SENIOR BEAVERS.
[For all pupils from Senior Third to
Continuation Classes, inclusive.]
Senior Beavers' Letter Box.
Dear Puck and Beavers,-1 thought is our Circle. My father has terested in hars Advocate" for several years six, and I am going to school since I was My teacher's nome is Miss Spears I like her very much. Therears, and $t$ ween twenty and twenty-five in our Beavers am glad to see so many Beavers interested in this Oircle. I have got into the w.-p. b. I I think my letter is getting long, so I will stop wishing the Circle every success. Good-
bye. Cuter' Alice Raven

Dear Puck,-I want to tell you about a colt of my uncle's. It is just about a year and a half old, and can do a lot
of things you would never think about. I'm just going to tell you what he did one day. He saw a sheep in the yard, barnyard it up and threw it over the Another fince, but it did not get killed. and threw it at me, but it a tin pail horse. Sometimes it another the calves. When one of them was just a week or two old, it bit both of its were very sore. My youngest brother, June. As my letter is getting very
long, I must close for this time. Here
is a verse I would

One gentle word that I may speak,
Or one kind, loving deed,
May, though a trifle, poor and weak,
May, though a trifle, poor and weak,
Prove like a tiny seed: And who can tell what good may spring
From such a tiny JENNIE Phillitis Alberton, Ont., R. R. No Book IV

Dear Puck and Beavers,-1 read mos of the letters in the Beaver Circle every
day, and I think them fine. I received my prize for the best drawing in April,
and I like it fine. Thank you ever so
much for it, Puck. I am thirteen years much for it, Puck. I am thirteen years
old, and tried the Public School Leaving
Examination in June every day, as we live just about threehave about ninety chickens out now and Ive ducks. We did not have very good
luck with our ducks, but we have had good luck so far with bur we have had
have also some have also some goose ergs set.
For pets I have a rabbit,
dog. I have had my rabbit cat, and a
year. Have had my rabbit for about a
b., and wishing this will escape the w.-p.
bircle every success, remain,
m. Dell ramsay.

Dear Puck and Beavers,-As this is my
first letter to the Beaver Circle, I will
$\qquad$

AUGUST B, 1912
always enjoyed reading the letters of the
Beaver Circle. I live about half a min
from school on a farm of over 100
acres, and go to school almost every day, but hope to enjoy the holidays if
a change. I will close, wishing the Cit cle all success with their gardens. Violet Clemens
(Age 13, Book IV.).

Dear Puck and Beavers,-As my first letter was printed, I will take courage
to write again. It is just lovely in the woods now, the air smells so sweet. We have two cosset lambs, one big one and
a small one. You ought to see them play when we let them out of their pen The big lamb can jump pretty high.
Did you ever make your initials with lilacs? I will show you how. Take piece of paper and prick your initials on
it with a hat-pin. Then pick off the little lilacs and stick them in the holes;
then press it in a book. When it is d As my letter is getting long, I will
close, wishing the Beavers every success. Huntingville, Ont
 eleven years old and in the much. I am For pets I have guinea-pigs and rabbits, and my little brother, Allan just loves
to play with them when I am at school. Hy father died four years ago. I have
big brother, Jim, who manages the farm for my mother, and one sister, Beatrice, and another brother, Lorne.
We have rural mail and telephone in our We have rural mail and telephone in our
district, which, we find, is very, con-
venient. We venient. We all like "The Farmer's Ad-
vocate" very much. My big brother, vocate" very much. My big brother,
Jim, could not farm without it. He has got two other boys to subscribe for
it. Well, I
must close, or I will be dropped into the waste - basket the very
arst time. Wishing the Beaver Circle every success. Wishing the Beaver Circle TOMMY HASSON (age 11, Jr. IV.). Dear Puck,-This is the first time I ave ventured to write to your cozy lit-
le corner, but I could not resist the Cemptation any longer. We live on a farm about two miles from Lakefield and
about nine from Peterboro. We have also have six horses and some pigs. I
go to High School at Lakefield and like
it very well, but holidays are here now, it very well, but holidays are here now,
for which I am very glad. We have thirty-four chickens and thirty-two turkeys. One little turkey got its leg
broken, and I have it in the house for a pet. I do not want to make my let-
ter too long,so I will close now, wishing
the Beaver Circle to see this in print in the near future. (Age 14, Continuation Class). Dear Puck and Beavers,-I will tell you wait till Thursday, which was the day we were going to start. I got out of
bed pretty early that morning, brushed off the team, and harnessed it with the best harness. After that I went to
breakfast. I hitched up the team about
halt-past six o'clock, then father and I ent back to the pit. There were a few shovellers started about seven o'clock. o'clock in the evening. Friday went
about the same as men put in a culvert on our concession. before we were done. this escape the w.-p.-.time, so also please let
secruse my mbling scribbling and blots. Good-bye.
HARRY SCHELL (Sr. IV. Class).
Walkerton P. O., Ont.

## IT COSTS YOU LESS TO USE THE BEST

You will pay a little more for the best at the time, but the best is always the cheapest in the end. There are many reasons why for fertilizers you should buy the best.-

## HARAB

## ANIMAL

 FERTILIZERSThey produce big crops and satisfied customers. They cost very little more, but are without doubt the best.

They are natural fertilizers, and contain the true plant food in available form.

They are put up in better condition than any other brand on the market, bar none

They can be sown in an ordinary drill.
They are made in Canada
Write us direct, or call on nearest agent
We will help you to grow bigger crops of fall wheat with less labor and expense.

HARAB FERTILIZERS
HARAB POULTRY FOODS
HARAB ANIMAL FOODS
Made in Canada by
The Harris Abattoir Co., Lid.
TORONTO, ONTARIO

## 50,000 FARM LABORERS WAMTED

FOR HARVESTING IN WESTERN CANADA "RETURN TRIPEAST." WINNIPEC MaoLeod, Cal perr yir ETromonall pointseast or "GOING TRIP WEST." \$10.00 Thaif oent per millo from Winnipeg DATES
AUGUST 20th-Erom all stations on all lines on and South of the Grand Trunk Main

 AUGUST 28 th- Wrest of Renfrew. $\begin{gathered}\text { From all stations in Ontario, Toronto and East, Orilla and Scotia }\end{gathered}$






 the ticket agent on arrival at destination, and works at t heast thirty days at harvesting.
For full particulars see nearest C.P.R. Agent, or write-
M. G. MURPHY, D.P.A., C.P.ílo, Torgato

## CASE makesBestRecords atWinnipeó

 WinsGoldMedes in 1912 Motor Contest Wins Goodiredal tr Steam Endinge Wins Gold Medal EGasTractor

These Steam Enigies broke al Winnipeg Records and were awarded diplomas instead of
Goidd Medals, because no manulacturers dared to compete in these classes against Case
WE have stated in the past that there could be no close comp Case Engines and those of other makes. When Case competecompetition between records. The truth of these statements is made doubly apparent by the 1912 contest; the nemt its own



## J.I.CASE THRESHING MACHINE

CANADIAN BRANCHES,TORONTO
adian Government and open toall Manufacturers of Farm Power Machinery
onter Company to do their experimenting at their own expense-not at the expense of the customer.
Before a machine or improvement is allowed go on the market under the Case name, it is tried out time and again by the severest tests that can more severe than will ever be encountered in actual every day use-so that when we are finally
satisfied to put the name "Case", know beyond all question of colt that you you safely bank on everything we claim for it.
The Case Gas Tractor is the result of 20 years of experimenting in the Case Laboratories
and in the Field. It is backed and guaranteed by he 70 -year reputation of the Case guaranteed by builders of Reliable Machinery. Therefore, when "right" down to the market, we knew it was Every Case 40 Gas Tractor is an ducticate all our Brane hore the one that wor he Gold Medar an at our nearest branch house and have them explain it to you, or if you can't do that, write uis
at once and we will mail you complete specifications and other information of vital interest.

## CO. RACINE $\cdot$ WIS $\cdot \mathbf{U} \cdot \mathbf{S} \cdot \mathbf{A} \cdot$ Incorporated WINNIPEG, REGINA \& CALGARY

THE FARMER'S ADVOCATE



 Yor sale will ind plenty of eustomers by using
our advertising oolumng.
sorted for leese than 30 cente. advertisement in-
 $\$ 6.41 \begin{gathered}\text { PRR HEN-Write for our beautiful- } \\ \text { trom ilite. }\end{gathered}$



 Each initial ounts tor ore word each ingertion.
advertisement inserted for less than
figuret
and











Dawson's Golden Chaff Wheat


 stock. Prices reasonabhe. Lées. Hampton, Ont.

I eniors Adeavocaten tor some time, ant
much. Inaver letters very
I live to much. 1 live on a farm about three
milise from Alvinston.
horses and a horses and a littlo colt that was soren
oo the twenty-fourth of May.
driver. driver's name is Minnie. ${ }^{\text {I }}$ I go to Out
Ridro Ridgg oshaor, is mis anio. short distance trapon
our place. It is situated our place. It is situated on the corner
There are two large manle tront of it, large maple trees out in The schoolhouse is painted white
trim trimmed with red. There are only
seventeen pupill seventen pupils attending. Three trit
our school wrote on the Entranco our shool wrote
was one the Entrance,
We ar an those.
We are anxious we hear the report, and no doubt many of the beavers are, too, but perhapy will now close, wishing soll though. Beaver ever success, and may they all have good time in the holidays
KATHLEEN MCP
You will (age 12) the result of your exa
hope you have passed

Beaver Cipcle Notes. wina Henderson (age 11), Parth, Ont
wishes Pearl Armstrong to write to her
Clo Clarence Fitz Randolph (ase 11 ,
Briggeton, Nova Scotia, wishes some
or of the Beavers to correspond with him, sides of the paporald wo wrote on bo beription
he to Whe toucan had to go into the w-p.
Write again, Florenco, but please tell wa,
ext time, next time,
have seen.

## Dorothy Rose.

Dorothy Rose had a turned-up nose.
Did she worry about it, do you suppose O, no, but a plan she began tou saptose
To make the rest of her features match. First of all, she trained her eyes,
Turning them up to the en
, Look at them up to the aund dust, not skies.
she :
Vothing but sunshine would Doroth
A flower that droops has begun to wil
So up went her chin with
So up went her chin, with a saucy tilt.
An ounce of pluck's worth a pound of sigg
And courage comes with a head held high
Lastly, her lips turned their corners up
Brimming with Brimming with smiles like a rosy cup.
O, a charring child is Dorothy Rosogan with a turned-up nose
-Pauline Frances Camp.

I Love De Banjo Best. Dere am music in de medder, an' dere's
Deres am in music in in do do summah win'

 Ain't no foel in' hak comes o'er me w'en
de banjo stats ter plav' Es I picks the strings os, sort - plink,
plunk-plink, Plunk- ter clost de day; Den my soul is full of longin' toh ter Es It 'inks asoung my live, tizer, who am W'en she went erway las' summat dere
 ere's de cabin, ole an' shaky, whah we
hpent our , olden daly
on, de memy ry or do hymone, an' her oh, doe mentry of do bygone, an' her
happy, happy ways. All do day ah knows dere's music, kase
de birds mak' melody.

 Oh I knows dure ain't no music dat my
Lizer red lake fiust so" son to hear me pickin' soth-plink plunk-
plink, punk-my ole thanjo
ah pinvi in summan
 ohn Mac Mactavish, Se.torth, Ont.. in
the Burfalo Express.

## REDUCES FEED BILLS PRODUCES BETTER HOGS Saves You Money Makes You Money

HARAB DIGESTIVE TANKAGE
The Harris Abattoir Company, Limited TORONTO, ONTARIO

## Wanted! Broilers

We are open to handle live broilers, or live poultry or any kind, in large or
small shipments. Highest market prices paid. Write us for quotations HENRY GATEHOUSE,
Fish, Game, Poultry, Dept. F.A. 348 West Dorchester St., Montreal
Eggs and"Vegetables.



$\mathrm{N}^{0}$O FARMER who has used Canada Cement asks that question, because his first trial answered it to his complete satisfaction. Yet it is only natural that a farmer who has never used concrete-perhaps yourselfshould require convincing reasons before deciding to use it himself.

If we knew where you lived, and knew your name and the names of your neighbors, we could tell you of many men in your own locality who would be glad to tell why they are using Canada Cement. Since that is impossible, this advertisement will try to give you an answer to your question.
"What is Concrete?"
CONCRETE is an artificial stone. It is a mixture of cement, sand and stone, The proportions of the various material vary according to the purpose for which the


THE mixlng and placing of concrete is simple, and is easily learned. No
concrete is to be used. This mixture hardens into an artificial stone. This hardening process is rapid at first, and in a few days the mixture is as hard as rock. After that, time and weather, instead of making it crumble, Since stone, sand and
Since stone, sand and gravel may be found is near ry every farm, the only cash outlay
is that required for cement. Cement forms only a small part of finished concrete, and this expense is relatively small.
Concrete may be mixed and placed at any
season of the year (in extremely cold weather certain precautions must beobserved) by your-

self and
your regu-
lar help
Thisallows
you to take
advantage
of dull sea-
sons, when
sons, when
you would
otherwise
The mixing
and plac-
ing is sim-
CONCRETE is the ideal material ple, and Cor barns and sllos. Belng full direcfire, wind and weather proof, It tions are
protects the contents perfectly, in the book which we will send you free.
"What Can I Use Concrete For ?" CONCRETE can be used for all kinds of improvements. By having a smal supply of cement on hand you will be
le to turn many an otherwise idle after noon to good account by putting a new step on the porch, or making a few fence posts,
or repairing an old foundation wall. It is a mistake to suppose that you have to be ready for a new barn or silo to be interested in concrete. Besides, it is just as well to become familiar with the use of concrete on small jobs, for then you will be better able to handle big jobs later on.
First cost is last cost when you build o concrete. Concrete improvements never need to be repaired. They are there to stay and every dollar put into them adds several dollars to the cash value of your farm, and lasting material are actually of this evercost than if they were built of wood. The cost of lumber is constantly increasing and it will not be many years before its, and will be prohibitive.
YOU should use concrete, because by so dolng more convenlent, more profitable and more valuable.


OUR mills are located all over where you ilve you can set Canada cement without paying hilk prices

Why Should I Use Canada Cement?" WX ${ }^{\mathrm{E} \text { were the first cement company to investigate }}$ the farmer's needs, and to point W the farmer's needs, and to point out to the money by using concrete. We conducted an ex-
haustive investigation into the subject, learned the haustive investigation into the subject, learned the
difficulties they were likely to encounter and difficulties they were likely to encounter, and how
to overcome them, and published a book, "Whai the Farmer Can Do With Concrete,","ootainning all the information that the farmer could need.
-We have made a special effort to give the farm. -We have made a special effort to give the farm-
ers of Canada not only the best cement that can be

## CANADA CEMENT COMPANY, LTD.

 550 Herald Bullaing, MontrealPlease send me, free, your book: "What the Farmer Can Do with Concrete," and full
particulars of the 1912 Cash Prize Contest.

My name is.
Address
made, but also every possible assistance in the use of concrete. Our free Farmers' Information Bureau is at the service
questions concerning the use
of concrete are answered at once, and the
Bureau is al Bureau is $21-$
wa ys glad to receive sugges-
tions from farm. tions from farm-
ers who have discovered new uses for cement. Last year we $\$ 3600 \mathrm{Cash}$ Prize Contest, in which farmers in every
Province parProvince par-
ticipated. econd contest. This sism manss in front or near which thre the sulde you top tio place where times as many prizes are offered, has been announced for this ear.
You can easily see why a company that' is de-
voting this mucb attention to the farmers' in better position to give you-a farmer-satisfacada service. Can-
Cement will
ada Cement wi
always give yo
satisfactory results. always give you
satisfactory results.
Every bas and Every bas and
barrel must undergo the most rigid inspection before leaving the factory.

YOU should use CANADA Cement because Its makers offer you not only the bestcement made consclent lous, personal asslstance in maklas use of It.


THis book or 160 pases, hand.
somely bound
 Tor concrete ever pubilishe
See free offer on this past

F you haven't received a copy of "What the 1 Farmer Can Do With Concrete," write for it obligating you in any way. Use a post card or of the 1912 Cash Prize Contest. Address:

## Canada Cement Company

Farmer's' Information Bureau 550 Herald Bldg. MONTREAL, QUE.


Take A Handifl of "St. Lawrence" Sugar Out To The Store Door - out where the light can fall on it-and see the brilliant, diamond-like sparkle the pure white color, of every grain. That's the way to test any sugar - that's the
way we hope you will test Pebr Ca $\qquad$ Susar Compare it with any other sugar-compare its pure, white sparkle-itseven grain - its matchless sweetness Better still, get a 20 pound or roo pound bag at your grocer's and test "St. Lawrence Sugar" in your home,
st. lawrence sugar refineries limited,
montreal.

## CANADIAN NATIONAL EXHBBIION <br> Aug. 24

TORONTO
Sept. 9 555,000 in prizes for products of the farm.

ALL ENTRIES CLOEE
selose AUGUT 15th J. 0. orr, secretary and manager, city hall, toronto, canada


SHAKER POTATO DIGGER
With Fore Carrlage
Natural temper steel blade.
Weed Fender and guage whe
The Shaker

 | ST. THOMAS, Ont.


MT. VICTORIA STOCK FARM, Hudson Heights, P, Q.


BIG QUALITY CLYDESDALES
 R. NESS \& SON, Howick, Que.

Plaase Mantion this Paper,

Embarrassment of Years
By Laura Wolcott, in The Independent.
But why should you make calls $\%$ the
But why should you make calls?" the Nice Young Person ssid. "At your
time of life why not let your triends come to you instead?" What is my time of life? The phrase
is superfuous. "Impertinent?" you ask. Oh, not from my friendiest Nice Young At my time of life? I can go many flights of stairs-with landings. cimb hills also, with the added pleasure
of pausing to view the landscape, which of pausing to view the
younger people miss. 1 remember dates, and people's names and current events; and the past is is ${ }^{\text {mos }}$
more more charming to me than the present
except that it was in it itself more charm-
tin except that it was in itself more charm-
Ing.
I can weed flower-beds, even like Celian Thaxter of vivid memory, at Appledore.
I Tove all human kind trom 1.ove all human kind from soft baby-
hood for play to hard age withering and hood for play to hard age withering and
waiting to be consoled. My time of life! 1 can thread neadles.
Points may come arst, in the exasperatPoints may come nrst, in the exasperat-
ing way of modern needles, but in 1 can read into the small hours of the morning and then lie down to cheerful
dreams or dreamless sleep like a babe on dreams or dreamless. sleep like a babe on
its mother s breast.
re can thrill 10 can thril to bird songs from the ex-
ultant wood-thrush's freedom song to the lonesome whippoorwil's complaint.
I love the menvest I love the meanest flower-yes, weed-
that blows. It does not suggest thoughts
to too deep for tears. All my thoughts are of the exquisite bliss of living.
sunshine have it sunshine have its charm, so has the rain
Was it not Elizabeth Stuart Phelpo Was it not Elizabeth Stuart Phelps who
deplored the old hymn sung on pitiless July Sundays?
"No midnight shade, no clouded sun,
But sacred, high eternal noon."
I go out into my dewy garden and
watch every seed that sends up trom the mystery below swo tiny nends up leaves like to the the
far-away spreand ar-away spread of bird wings against
the buee just two crooked lives full of
exuectotion expectation. ${ }^{\text {Fine }}$. ${ }^{\text {Finalads some day," snys the Nico }}$ "Fine salads some day," says the Nice
Young Person, $\begin{gathered}\text { peering for the tiny }\end{gathered}$
tor

 curly leaves under Lucca oil and lemon
fuice with talkative juice with talkative folk about the table
but ministers to a lower sense? The spirituality of the salad lies in its Antwan touch-its slow sucking out of
disreputable earth that which lifts its disreputable earth that which lifts its
head to the skites.
From From my south wondow I watch a
walloby robin tilting on a Norway spruce limb against the high wind, shifting its
clinging feet halt spreading foolish, un-
tried wings that
 dull, ruflod feathers, earthimid teart, pea-
size, quakes up and down as the branch

 with the tree as it remembering its promise to sit still till mother came,
Iorced to break the letter, but keeping
the suirit. and sustoinct hoope. and susturne by a quivering Gladly would I fetch the looked - for
worm, except that courtesies of the sort are apt to be misunderstood even know now that there are horizone is high. Aciety. And the swaying limb But my Nice Young Person is limited,
the
tother is
te
 cesstully in the richness of my lawn. knows. Always beyond her tepth in the
Both their cups of biss are full, the salt sea of promiscuous charites, com-
mother's with service. the bayy' mittees, clubs, schemes for the heathen
Who will soon send missionarie
 youth one's eyes focus on larger thins, in tears she must wait, till at my mat weary
and the she shibly and the mind follows.
For reading. I contess, to ellussess. acoul and rest it, and see the belated
 At my age indeed ! Wision. Was rather a plump old lady and
Now that I Person does conne to see me very ofteng suirit nelghbors, bute even her obliging


## Mclarys

"Sunshine" Furnace floods the house with balmy June weather in the coldest days. That's why the
shine" is called The Understudy The Sun. ${ }^{300}$

What's The Matter With Your Butter?

Does it lose its flavor quickly Does it acquire a bitter taste in few days?
Are you receiving any keeping well?
Use the salt that does make good butter èvery time and all e time-

## WINDSOR

It is always the same in purity and strength. It won't cakedissolves evenly-and makes the
most delicious butter you ever most de
tasted.
The prize-winners at all the fairs, used Windsor Dairy Saltthat's why they won all the prizes.

## Mrs. Fonda-"There! Isn't baby the image of his father ?" oldchum-"Absolutely! Same lack o expression, same red nose, no teeth to speak of-and, by George, prematurely bald, too I"

 Much of the pleasure of life is lost
in the worry of preparing meals. Bovril
in the hands solves the problem. Bovril stirred simply into hot water and flavored to taste makes an excellent bouillon Meats reheated have their original Bovril. Bovril Sandwiches are in
constant demand by old and young, constant demand by old and young,
especially by children. Bovril Teahot or cold-can be served at any time might to induce sound sleep, hot Bovri1
is unequalled.
27.12

Dr. Page's English Spavin Cure

monthly plistering. One or two applic
tions are not likely
Ho prove effectual Have the horse shod to prove effectu
ins an inch higher the heel calk
blist blistering, use two drams each of binio-
dide of mercury and cantharides, and two
ounces of vaseline. Clip the hair off the
part, and rub the blister in with en
$\qquad$ $\left\lvert\, \begin{aligned} & \text { and turn the horse loose in a box stall. } \\ & \text { Apply vaseline every day until the scale } \\ & \text { comes off, when he cel }\end{aligned}\right.$ comes off, when he can be tied up and
blistered again as at first. The lame-
ness is easily ness is easily cured, but to remove the
lump often takes a long time and per-
sistent blistering. BLACKHEAD.
Can you tell me if there is any cure
for blackhead in turkeys ? I had 52
good, healthy turkeys, and about two
weeks ago they good, healthy turkeys, and about two
weeks ago they got sick. I think it is
blackhead. Let me know at once what
to bers?
Ans.- Blackhead is, a very infectious
disease, and Ans.-Blackhead is a very infectious
disease, and land where affected turkeys
have ranged is unsafe for turkeys or
poultry the following year. To diagnose
blockhead positively a post-mortem ex.
amination is inecely blackhead positively a post-mortem ex
amination is necessary. The walls
the ceoca (or blind pouches at the lowe end of the small intestines), will be
found thickened either througho found thickened either throughout or in
spots. The membrane lining of the
coca becomes reddened and eroded, and cora becomes reddened and eroded, and
from this inflamed surface there is poured
into the cerca a quantity of creamy mainto the cexa a quantity of creamy ma-
terial or exudate more or less tinted
with with blood. The liver is enlarged an
darkened, while scattered over its sur-
face are face are distinct round spots, sometimes
whitish, or sometimes with a yellowish
tinge. Young birds are more especially
subject to infection, and it is not con-
fined to turkeys, but may also attack hens. First satisty yourself that the
disease is blackhead, then commence
treatment. Medical treatment of this
disease in individuals in which it has
developed so much as to show the external symptoms which identify it, is
generally ineffective. Various remedies have been suggested, but the safest is to
kill and burn all birds showing unmistakable outward signs of the disease.
Where the disease has gained much headway in a flock, it is generally advisable
to clean out the flock entirely and begin
with a new flock on a new run. Disin-
$\qquad$
$\qquad$



the london Clydesdale sale. As advertised on another page, a new
importation of 14 Clydesdale fillies, 12
of which have horses in Scotland, wrill to high-class tion in Loondond, will be sold by auc-
August 14th. These on Wednesday, selected persomally by the importer, who and who knows the type required in
Canada, he having more tha having visited this country
tions from Ence, and knows its condishould from East to West. This sale buyer's usetul young draft mare at the As the train whirled through the beal sisted in sticking his head out of the
window to get a better wiew scenery. "Keot a better view of the shouted the conductor

## IMPORTED CLYDESDALES AT AUCTION


to high-class-old fillies, stinted land, and 2 yearlings personall selected by the Importer who is a breeder of Clydesdales a Throsk, Stirling, Scot. These ed with quality of bone and hair to suit the most exacting breeder

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For information apply to
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BEN FINLAYSON
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Baby Chick Feed and Scratch Feed

Are made up from pure grains in proper propor tions to secure best feeding value and most satisfactory results. Write for full information and give name of
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The Chisholm Milling Co'y Toponto, Ontaplo

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Clydesdales, Imp., Just Arrived Our new importation har arivid

A Few Cholce Clyde Fillies ${ }_{\text {Cly }}^{-1}$ am offiering geveral choice and particularly well-bred
 HARRY SMITH; Hay P.O., Ont. Exeter Sta. L.-D. 'Phone,

Myrtie, C. P. R. Stn. L.-D. 'Phone. JOHN MILLER, JR., Ashbura, P. 0
CLYDES, SHIRES, PERCHERONS


ORMSBY GRANGE STOCK FARM, Ormstown, P, Que My fall importation, which will be the largest yet made by me, will be personally selected will ariva
last week in September. Good colors, heavy bone, best of pedigrecs D. MoEachran
 John A. Boas \& Son, Bay View Farm, Queensville, Ont When Writing Advertisers, Please
qUESTIONS AND ANSWERS. Miscellaneous.

SPRAYING POTATOES. Will you kindly publish a formula
spraying potatoes for the prevention rot ? D. H. Ms Ans.-Potato rot, or late blight, is called potato disease. It is a spuradic disease, scientifically known as Phytophthora infestous. It attacks the leaves
tems, and tubers. The attacked on a leaf spread very rapidly area fungus secretes a poison which kills th which oozes out On the under side the leaf a downy border is formed aroun
the spot. This is caused by up of the spore-bearing mycelium. We seasons are especially well suited to the development and spread of the disease
The leaf is completely The leaf is completely destroyed, thus
cutting off the plant's power of assimila tion. The tubers become affected and rot ensues. The means of control is
spraying with Bordeaux mixture spraying with Bordeaux mixture. This
is not a cure, but if properly used, is a
prevention, prevention, as the spores are destroyed
during germination by the copper of the
mixture mixture. Three sprayings are some-
times sufficient, but four are generally gin spraying with $5-5-50$ Bordeaux, when the plants are about six inches high, and
follow this up at intervals of every ten
doge tions have been given. It is believed that the mycelium is carried over winter in the tubers, so every effort should be
put forward to secure seed potatoes from a field in which the blight or rot has appeared. Five pounds of lime, five
copper sulphate, and fifty gallons water, is the Bordeaux formula for this SIR.

ILO CONSTRUCTION-MARE
FAILS TO BREED.
1 am going to build a cement silo,
and would like you to answer the ing: My silo is to be $12 \times 30$ feet.

1. How 2. How much cement wisl be required mall stone, and if advisable to mix it 3. How many yards of good grave w. How thick does the grave graver
2. take? 5. What size of iron rods would ther need to be put in to reinforee the wall
3. I have a Hackney mare that I can ot get in foal. She had a a I can d milk comes in season her in itder swell
it. What is th would like
able mare
Ans.- 1 . Between 25 and 30 barrels.
4. A few stones may be used in the
found
$\qquad$
$\qquad$ 5. Three-eights inch. maimme during astrum is singular the mare may have some mechanical impedi
ment which prevents successful coition
or she may have disene or she may be barren, due to onaries
condition of the secretions fition organs. For the last-named con-
theast treatment might
died. of yeast and make it into a paste wit main in a moderately warm thace for 12
hours, then add one pint of freshly
boiled witer for another 12 hours. and Prepare the stan
ture $2 t$ hours ahegd of the time inject is it intocter her volyina the moment, an
is motice
is noticed to be in heat. Breed inst the heat period is passing off. She may
have disease of the ovaries, and it nothing can be done. having six blitouses out drying on the line b aning six houses out drying on the line
t is quite alosurd. My daughter can d
ith two a week,. ilda is contin' you see, mum, Miss Ma

FOUNDED 186


Save-The.- Horse Spavin Remedy


Whether on Spavin, Puff, Tendon, or any kind ot
ameness a permanent
aears a success.
$\$ 3$. And every botle sold with an iron-clad
contract to cure or refund money. This contract has $\$ 60,000$ cure or refund money. This contract
hat back of it to secure and make its promise Roud Send for copy, alsol latest
book and testimonials from breeders and business
TROY CHEMICAL CO., Toronto, Ont. and Blaghamton, N. Y.
with a legal contract to cure or refund money
 ABSOREINE Himem moun Mutiviluciududid W.F.YOUNG.J. IV.F. MB MERCHANTSC OOM
Butter Egss Poultry Honey Beans Apples Potatoes, etc.
$\qquad$ Nu We need youra. Write for weekly of market letter.


Messrs. Hickman \& Scruby Live Stock of all Descriptions (2) Drat borses of afl breeds a specialty. Intending
buyers should write us for particulars, as we. can hey have yet experienced. We can send highest NOTICE TO HORSE IMPORTERS GERALD POWELL
Nogent Le Rotrou. France
guiu, and assist them at any port in France or Bel-
French Coach horses French Coach horses, All intorcheronons, Belgians,
ping, banking. and pedigrees. Mation abous ship
ence; best references.

Balmedie Aberdeen-Angus $\begin{gathered}\mathrm{I} \text { amof } \\ \text { tering }\end{gathered}$ Yor sale young bulls and heifers of the highest ting tyour
ot the rbed. Show stock in show condition Broadfoot, Fergus Sta., Wellington Co., Aberdeen-Angus - A few bulls to sell yet; Walter Hall, Washington, Ont OAKLAND SHORTHORNS 7 tersent ontering is five choice young bulls, from
purpose oths ola , reds and roans, out of good dual
 john blder \& Son, hensall, ontario Fletcher's Shorthorns
(8909) a choice lut of Heifers for sale, bred or

Insects and Alfalfa Seeding.
It is a well-known fact that honey-
makiking insects play an $a^{\text {fory }}$ very important part in the growing of several of the
clover seeds. As pointed out by the
An Canadian Boe Journal, alfalta depends
very largely upon beess for its chances of very largel
seeding.
Nearly all experiments show that by meane of screens, very few or no seds are produced, wherens adjorining
plants not mereened produce prants not acreened produce an abundance
of seed if other conditions are tavorable. However, in northern Montana heavy seed crops have been obtained in certain seasons when general observations tailed to
indicate the presence of insocts pers anywhere near what was consididered fifcient to account for the tertilization the fowers. The principal effect of releasing of certain of the flower por or which operation is essential to tortiliza,
ion. ficially This tripping can be done artiother object into the a pencil point or
ind ing the flower between the or by pressfinger, when the tripping can readily be odinary. Observations indicate that the less frequently that do thip tower much some of the wild bees. The honey bee ordinarily inserts its proboscis at the
side of the tripping mechanism without reloasing it, while the bee's weight on
the flower is not sufficient to set
 the bumblebee. The small wild bees trip the fower owing to the fact that they
must struggle to reach the nectar, and in this struggling they release the trio. fower is fertilized with pollen thom soma Other fower, but it is able to set seed
with its own pollen it tho sem $\underset{\substack{\text { with } \\ \text { tripped. }}}{\text { its }}$ own pollen if the flower be

> TRADE TOPIC.

The scheme of the Central Canada Exhibition management to pay freight
charges on exhibits up to. 100 miles of Ottawa, so as to equal conditions for Carmers and stockmen in remote places,
has broukht entries in Canada. British Columbia Province growers are likely to send many explied for by maritime farme have been apdistant ones in Ontario and Quebec on Lockie Wilson, who has charge of the field crop competitions from all the Provinces, says the outlook for keen produce could not be better showing of plement makers are taking generously of new ${ }^{\text {space }}$ (1or educative displays in the
$\$ 100,000$ machinery hall, nearing 0 modation, outside of the grounds, will he ateced for horses this year, as
stalls
have
been provided.
The totral
The total stars enave been provided. The total
horse exhibit will reach 500 .

## GOSSIP

Five days after the collie Ont., writes appeared in your paper I had orders for
overy puppy that they were food ones and I part with hanging advertisemen meantime I am and lambs are doing well, and the lambs
growing like weeds. There will be some Eood ones for this. season's will be some he number iul limited, to insure getting ne, it pays to order early

## A well-known politician had occasion to

In a conspicuous place in the parlor Cuis,", "an inscription: Ict en parle Franand said: "I see you speak French "Not me," the man replied, "English ". Wooll, then, then tor me." said the politician, "why do you have that inscription on the
wall?"
That means French is is spoken "You don't mean it ", exclaimed the
hotel-keeper. "Well, Tril be blowed! Young chap who sold it to , me said it
weant 'God bless our home.,


## FOR COAL AND WOOD

Healthful heating is not possible with a leaky furnace. Coal Gas is not only unpleasant-it is a menace to health. The Hecla will supply your whole house with pure warm air because it cannot leak gas or dust.

Every point where a leak might otherwise occur is fused by our patent process absolutely tight.
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ls $1 / 7$ of your Coal bill worth saving? Do you want more healthful heat?

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Steel-ribbed Fire-pot
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cannot leak

"Comfort \& Health,"
a book on the sane heating


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Champions of 1911 :hows, winning both senior and junior herds at Winnip
 Lons distance 'Phone.
Young stock both sexes, tor sale at reasonable prices.
L. 0. CLIFFORD, Oshawa. Ont.
 ported Sire- some good ones among these e also 30 choice cows and heifers in calf, at reasonab.e prices.
Farm 4 -mile from Burlington Jct. Station. MITCHHELLL BROS., Burling
 SIMOPSHIRE RAMS AND BWES, too, at lom pricee CEILDRENS PONIIS

, Shire Stallions and Mares, Shorthorn Cattle (bot sexes); also Hampshire Swine. Prices reasonable.
Porter Brosen, Appleby, Onten Burlington Sta. Phoes

WILLOW BANK STOCK FARTI Shorthorms and Lelcester:
 25:
 Shorthorns of Show Callbre
 Ceo.Gler \& Son,Grand Valiey, Ont Shorthorns anc ixhoi-
 SHO SHORTHORNS \& CLYDESDALES



Are Sweeping the Silo Field
-Orders and inquiries are com ing in faster than ever before, Canadian dairymen are coming o realize the advantages of how much better the just Green Feed better the Ideal Green reed Silo is than any ther make.
Here are some of the points of superiority which make these Silos so popular
Material: Canadian Spruce espec
ially selected for our own use own use tion which prevents rot and decay and reduces the tendency of the
staves to swell or two or three times to the life of the Silo.
Hooped with heavy round iron
hoops every 30 inches apart. hoops every 30 inches apart. alleable iron lugs All doors on the Ideal Green Feed
Silos are self-sealing. Doors are only 6 in Doors are only 6 inches apart, can
be removed instantly and are always air tight. The roof is self-
supporting ; built without rafters. Dormer window facilitates filling
Silo clear to the top. All
sizes furnished.

Write for Our New
Silo Catalogue To-Day
De Laval Dairy Supply Co, , Ltod. MARGEST AND OLDEST SILO 173 Willam Street, MONTREAL 14 Princess Street, WINNIPEG

1854 Maple Lodge Stock Farm ${ }^{191}$
 Grand young LEICESTEES from imp. Wooler of
Sandy Knowe, champion at oroter
Roual A. W. SMITH, MAPLE Lucan Crossing, G. T. Ry. one mile.
"The Manor" Scotch Shorthorins
 J. T. GIBSON, DENFIELD, OÚNTARIO SPRING VALLEY SHORTHORNS Herd, headed by the two imported bulls, Newton
Ringleader, $=73783=$ and Scotish P Pride, $=36106=$,
 KYLE BROS.

Ayr, Ontario

## '

 and the location as regards market. It
is impossible to state defnitely. is impossible to state definitely what
crops pay best without knowing all the
conditions conditions. Market demands in the the
cality may be called hoed crops, If small fruits
are as are as profitable as as any. Perhaps they
usually pay well. and
goed good demand, and if soil and climate are
suitable, should suitable, should prove profitable. of
course, if help may be obtained, the gat den vegetables pay best.
2. Experience and ability, the garwith the condition of the soil and the
crops grown, decide this crops grown, decide this matter.
3. They should, if properly worked. PERENNIAL STITCHWORT What is the accompanying weed, and
the best way of killing it ? Ans.-The sfecimen is another European
weed, the perennial stitchwort (Stellaria graminea). It resembles the common
chickweed, but it is wiry and longer stems, narrower leaves,
and stronger and stronger root. To advise intelli-
gently as to treatment, one neend
know the know the situation or conditions in which
it is proving it is proving troublesome. Under hedges
or bushes it may make a tangle that
can be pulled can be pulled out with a a rake. Rakle that
or cutting and burning the stems
ofter after flowerering burning the stems short
pegins, should keep the
plant in check to give serious trouble in the kultivated
field or open meadol and grassy places not easily reached,
is capable of is capable of taking possession of the
sward. Notwithstanding its enormous
number of flowers, it does
 ing details our horrespondent again, giv
Can he collect for Can he collect for us a hall- or even
4uarter-thimbleful of its seed?
J. D.

GOSSIP.


| EHEORTAHORNE <br> Have now a choice lot of young bulls to offer; also with something nice in heifers. Catalogue of herd and list of young animals on application. <br> H. CARGILL \& SON, Proprietora, Cargill, Onto, Bruce Co. JOHN CLANCY, Manager |  |
| :---: | :---: |

Scotch Shorthorn Females for Sale Iamo fifering at very rea-
 anongot them. CA. EDWARD MEYER, BOX 378 , GUEL Ph. ONT.
SALEM SHORTHORNS
Stockwood Ayrshires HIGG-CLASS AYRSHIRES
 and

 Are coming to the front wherever shown. Look out for thas at th
leading exhibitions. Some choice young bulls for sale, as well as cows an
heifers.
HECTOR GORDON, How AYRSHIRES FOR SALE|CHERRYBANK AYRSHIRES!




AUGUST 8, 1912
THE FARMER'S ADVOCATE
QUESTIONS AND ANSWERS. Miscellaneous


When you want to clear your house of flies, see that you get

## WILSON'S FLY PADS

0
Imitations are always unsatisfactory.


## SALT

RICE'S SALT
Your butter will bring a higher price always be depended upon for house FOR ALI PURPOL package for all purposes. North American Chemical Co,
clinton, ontario
If Min Molstein Catt
 REE Illustrated descriptive bookilote P. L. Houghtom, Sočy, Box 127, Brattlebore, V

Holsteins of Quality


MONRO \& LAWLESS, "EImdale Farm"
MINSTER FARM Offers YORKSHIRES of both sexes, and
a HOLSEIN BULL CA $F$ from a
 averaging 30.63 For extened pedidree writes
RICHARD HONFY \& SONS. BRICKLEY.ONT. The Maples Holstein Herd offers a splendid lot of bull calves, all sired by Prince
Aaggie Mechthilde and all from record of merit dams. WALBURN RIVERS, tengerveld, the greatest 30 lbs . back butter-bred BOLIERT. Tavistock. R. R. No 5. Ontario Maple Line Holsteins and Yorkshires Colantha Sir Abeekerk 2nd, whose dam, sire's dam
g. dam, average 29.61 liss. butter 7 days. For sale at
 Balaphorene A. J. Jerseys ${ }_{\text {tion stock }}^{- \text {Found }}$



WELL CURb AND filter I thought of digging a willer.



 With regard to a wittould be cheaper.
answer given by proprent.
of Gueprint an of Guelph, to a Prof. J. B. Reynolds,
some time ago. similar question asked
The The necessity for filtering water, and
the method by which plished, depend by which it is to be accom-
Open substances held in suspension or soluracter of the
by the tioned are water. The first to be men
of graveral sodiments, consistin
 Would be any of this to be filtered thene
the we the water in this instance. In any
event eral substances is, separation of min-
eran for a short time is, , generally, quietud
stances will settle during which the sulbmineral impuritie to the bottom. Other clay, so fine that thist of fine silt and
tion about to bravity is very slows. The filter
aty resribed below. The ly remove substances of this chanaral
Next are the organic impurities, consist
ing of decat ing of decaying leaves and other vegetable
matter. These have specific gravity as watern nearly the same
of separation by
gravity
 benn removed. ater their solid parts have
It must
finest t. inest filters, borne in mind that
remove only sacting mechanichlly, that have passed impurities. Impurities
to sheminto solution yield only to chemical treatment. It the water be
strongly impregnated.
with strongly impregnated with vegetale os-
litions it would be wise to ot it alone
and seek a supply from some other source Tor tale use. In this instanco, tho
rain-water talling
is situated close upon a root, unless it fikely to have anything objectionable con
tained in it that tained in it that cannot be removed by
mechanical inlter. A filter of this sort should consist of square feet of surface, that is, it square,
should be two square feet; and should be Placed that the top op oth; the filter so
as possible level with the tos nearly
ato which suppliee it with the top of tonk
of the filter, it shouls ton to material
of then


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\begin{aligned}
& \text { th } \\
& \text { bapa } \\
& \mathrm{ma}
\end{aligned}
$$the finer, as wrell as thould bo sitted, and

removed. Any want on on mitormity grades
rest

$\qquad$
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$\qquad$
$\qquad$
$\qquad$
$\qquad$
Oficial records of 261 Holstein- Friesian
cows were accepted ny the American Holstein Association from May 29 ht to Jone
$4+\mathrm{h}$
1921

lent to over 59.98 ibs. or 28.56 , quarts-
f milk per day, and 17.511 s . of the best

One man and a boy (to carry milk and assist) Just think of what that means. Think of the relief from ther. hours of awwul drudgert twite means. Think of the relief from the long
and unreliable shive
 per cow each year-you can make withe a sharples Miller. Think of the
opportunty you have of doubling your herd, thus more than
diviry profite opportunity you have of doubling your herd, thus more than doubling your
dairy profits without increasing the labor expense a cent.

## These are but a few of the many advantages of <br> The Sharples mechanical IViller <br> Theonerecognized successful milker on the market today. Used in the world's finest and largest dairies. Over five hundred of these machinesfin



"The Pane socret of the success of The Sharples Milker is
"The Patented Teat Cup With the Upward Squeeze"
 and

$A$ Potal Brinem Cathosm
THE SHARPLES SEPARATOR CO. west chestia, ph
oronto, Can. Winnples, Can. Agenoles Everywhere
KING SEGIS WALKER




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Bull calves sired by Dutchland Colantha Sir Mona
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Telephone.
E. F. OSLER, BRONTE, ONTARIO Fairview Farms Herd

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SUMMER HILL HOLSTEIN CATTLE and YORKSHIRE HOGS


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EVERGREEN STOCK FARM Preent offerin: Two young bull calvee; HIGH - CLASS HOLSTEINS Club. Priced right for immediate sale.

${ }^{8}$Silver Creek Holsteins Wo tre ob onaing thous doumb

Brampton
Jerseys


Was Confined To Bed FOR POUR months RHEUMATISM THE CAUSE DOAN'S KIDNEY PILLS CURED HIM Mr. W. H. Riley, Ruddell, Sask. pleasure that I can recommend Doan's KXdney Pills to alt suffering with rheum.
atism. I was so bad with this terrible atism. I was so bad with this terribl disease, I was unable to get up from my to relieve me until a friend recommended Doan's Kidney Pills. I had my doubt about them, but was so desperate After taking half a box I was able to get up, and after taking two boxes could get around quite well. After taking six boxes I was completely cured, and able and have not had a touch of rheumatism since. Anyone who saw me then would active since taking your so strong and cine." Doan's Kidney Pills are 50 cents per or mailed direct on receipt alf dealers The T. Milburn Co., Limited, Toronto In ordering direct, specify "Doan's."


FABHAMM OXFORDS and HAMPSHIRES The Oldest-established Flock in America ported chanperpon rames, and some from
 MENRY ARKELL \& SON, ARKELL, ONTARIO Cattle and 8heep Labels

3
0

 rived troe. F. C. JAMEs, Bowmandille, OMt
Southdown Sheep Ite market today demands quality. Can pou do bred this what the mare chet wants.
heading your flock with a erigh or quickly than
he
 tall deliver
ROBT. ROBT. MeEWEN, Alloway Lodge Stock Farm A teacher asked his pupilit if there were
eleven sheep in a field and six jumped leven sheep in a field and six jumped
through the gap in the hedge how many through the gap in the hedge how many,
would be left. "There would be none,"
was the reply, The as the reply. The teacher reanoned
ith his pupil as to his backwardness in etort, '"you may know arithm
you know nothing about sheep."


15c a Tin.
 BNA if the ORIGINAL and BEST HAND
OLFANISR, Will remove groese and viain
of all linde
questions and answers. Miscellaneous.

Splint lameness. Have a threo-year-old road colt th tas bean lame tor about a month. Lave found a small splint which I thint treat it. Stould sho bo usead wher A P. M. and sometimes quite alarming in youns borsea, and occasionally in horres of a ages. Lameneese is usually, present onis during the infammatory stage. When
the oxudato pecomea into bone), the timamesimad (converteo ceases and lameneses, disappears, unless the enlargement be of sufficient size and so situated that it causes irritation $t$ Che suspensor ligament or involves the
knee joint.
Splint lameness sometimes disappears very suddenly. A horse ,may be driven a journey and go perfectly
sound, and after a rest, sound, and after a rest, when taken out
to drive home, may go very lame whe asked to go faster than a walk. Treat ment should be directed to allay the in-
flammation. of course, the horse must flammation. Of course, the horse must
be given rest. The seat of the splint
Then se given rest. The seat of the splint
should be showered with cold water sev eral times daily for two or three days. This is often all that is necessary, and
he will go sound, and after a while the he will go sound, and after a while the
enlargement will be noticed. In other
and cases lameness is more persistent, and it
becomes necessary to becomes necessary to apply a blister. A
second or third blister is sometimes necessary, and in some cases it is neces-
sary to have the onimal fired by sary to have the animal fired by a vet-
erinarian. In rare cases the lameness is persistent, and a long rest is neces-
sary, and, as stated, lameness may be sary, and, as stated, lameness may be permanent. When lameness does not
exist, it is seldom considered necessary exist, it is seldom considered necessa
to treat. Friction, or blistering, has tendency to hasten absorption of the largement, but in most cases nature
effects this without extraneous assistelects this without extraneous assist-
ance. As a simple matter of fact, there
are Yew horses that have done consider able road work that done considersplints, although they may never ha largement. Unless solint is ve large, double, or very close to the
it is not considered an unsoundness. RECURRENT COLIC
Kindly tell me, through your valua is any cure for him? He will paw wit his fore foot, then crouch, twist the tail
and finally lie down and roll up again and take a mouthful or two
hay, then another spasm will come He acts like this for an hour or two
passes manure in large quantities,
年 gas, both having an offensive smell
These attacks come on about every tw or four weeks. He had one about
week ago. When he is very bad, he
sweats till he is dripping wet sweats till he is dripping wet. He wa
in good condition last summer till fall, when he had a very bad attack him three ounces of spirits of gavee fore he got relief. Since, he has, bee
failing. We have been colic cure lately, which rel.aves himm, but
does not give a complete cure attacks we four bottles. The last two
gave him a tablespoen mustard, which relieved him for a time These spasms have been on him for near-
ly two years. We feed timothy hay, 12
quarts oats, and a little bran Lately he has had a little grass at night wind-sucking.
as if eating will move his mouth
as
something, draw the head Inward, and move the mouth as if tak
ing a mouthfur of food, throwing the
head downwerl seize the manger. Would this cause his his
sickiess? He has been doing this for abont a year.
$\begin{aligned} & \text { Ans.-This is due to a weakness of m. } \\ & \text { digestive glands. } \\ & \text { Give ionic daily, oner }\end{aligned}$ digestive glands. Give ionic daily, on
dram each of ginger, gentian, and nux
vomica, and feed carefully a food of first
class class quality. As the tromble has co
tinued so long, it is somewhat doubtf
whether treatment will he
cessful. whether treatment will be cosirely suc
cessful. and one of the attachs may prov
fatal.

COOPHP'S SHHEHP SAITH August 20th, 1912, at Sugar Grove, Ills.
SHROPSHIRES, OXFORDS, HAMPSHIRES, COTSWOLDS WM. COOPER \& NEPHEWS PEDIGREE STOCK CO

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Those wishing an imported ram, a few choice imported ewes or a few show sheep MOLESCROFT, BEVERLEY, I. YORKS, ENGLAND c. HODGSON,

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In SHROPSHIRES I have for sale 35 imp . shearrling rams and ewes from some of Euglard swes. In COTSWOLDS a lot of rams and ewes, and' an extra good lot ot
Buttar
lambs. A few of lambs. A few of each breed fitted for showing. Order early and get a good Claremont Station, C. P. R., three miles. John Miller, Brougham, Ont.
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## This Beaver Gang Will Reduce Your Plowing Expenses 40c. on Every Dollar

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For clay land we recommend our Judy bottom, which turns a furrow from 7 to 10 inches wide. For loamy soil our No. 21 bottom is most suitable -it turns a furrow from 10 to 12 inches wide. The excel, lent reputation of these bottoms makes detail unnecessary

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[^0]:    ciples fed the hungry multitudes-but
    they had to take each piece of bread
    straight trom the straight trom the hands of Christ.
    can only can only give love and hope, to comport
    and cheer the hearts and lives and cheer the hearts and lives of others,
    it we open our hearts always to receive, the work of tod. And we have not all Ho has other servants.
    Sometimes we are Sometimes we are over whememed by the
    ainount of work there is to be done and anount of work there is to be done, and
    yrow dishoartened and hopeles grow dishoartened and hopeless over it
    The Good Samaritan had only one wounded stranger to look after. What would he have done it there had been
    thousands needing attention? could only peay proper attention ? if to to he
    howe,
    howld he har to refuse the pleading how could he bear to refuse the pleading
    of the others ? Sometimes we are overwhelmed by wellmeant missionary
    sternly informens. that millions are dying every year in the darkness of heathenism, and that il
    we will only do our duty the world will ive will only do our duty the world will
    be won for Christ in this generation. Him for the message of leve which Ho
    wants you to carry from wants you to carry from Him to some to the nearest duty Then open your eyes do it with all your heart. Never stand aloor from
    anyone because he is thot your forty anyone because he is "not your sort"-
    perrhaps he is much nearer God than
     makes us liok only paltry conceit that
    the very on anyone. And it 1s the very meanest kind of ocnceit that
    makes us feel superior to others the Good has fiel superior to others because
    Go tinen us-in trust tor the good ood has given us-in trust for the good
    of His other children-wealth, education,
    social position lion social position, or good family. It It He
    had chosen, we might have been born in
    the daske the darkest wilds of Atrica, or in in the
    silums of New York. Whatever advan slums of New York. Whatever advan-
    tages He has endowed us with are not
    our own Our own. We are simply stewards, ex-
    pected to use everything tot pected to use everything for the good of
    our brothers and sisters. It is possible to win the reputation of being neighbor ly and sociable while of being neighborlow, superficial lives, touching our neigh-
    bors very often, but ondy
     does not help us much to be commanded triends", who will be triends throughout
    to
    do impossibilities. If
    a should thinksitur a mother should think it her duty to go out to
    preach Christ to savages, probably her own children would grow up in heathen Ignorance before she had mastered the
    Coreign tongue and converted one black
     duty He had trustrully placed in her
    hands. eternity. Real friends are not usually made in a hurry. How patiently God
    loves us and waits-otten showerin nesses on our unheeding heads for many
    long yearr-until ands.
    Does
    God ever demand impossibilities
    

