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## The Farmer's Ndvocate and Fome Mragazine

GONDON, ONTARIO, NAY 20, 1909

## EDITORIAL.

Raise Hogs
It is generally recognized as being neither a
Christian nor yet a prudent business principle to posing it were a revenge on the face, is it not a posing it were a re
greater catastrophe vrinciple seems to bear a striking application to the present state of the Canadian hog and bacon business.
(anadian pork-packers are not philanthropists Some of them, we fear, are not even intelligently
selfish. All the worthy sentiments we have heard in times past about co-operation between packer and farmer to develop an export trade in Wilt-
shire sides, was intended for the farmer. The shire sides, was intendod for ther to the extent of ruising the hogs for him (the party of the second part), to buy as cheaply as he could, and make as much out of as possible. Any thought of being in the packing business orever entered his mind. himself and the profeckers nor for that matter. It is not the way of packers, nor, for that matter,
of any other class of business men. They are in the business for, what they can make out of it Some of them are honorable to the extent of liv ing up to their word and obligations; or-sighted and disposed to placate and feed the goose that lay's the golden eggs; others are short-sighted brusque, and simply snatch the eggs when the are laid, heeding not the next clutch, or thinking perhaps, that the other fellow will get them, any how, like as not. Such is the nature Prices pair packers, good, bad and indirerent by the suppl for hogs at any period artive demand for the cured of raw material, prospectivety of packers to secure hogs to keep their plants operating at a profit There seems no longer any good reason to do Take the packer as he is. Expect no favor, watch your own end of the game, and let him attend to his ; picture him at his worst, weigh he matter from a cold, calculating ousiness malice or sympathy: Discount the prospects from a standpoint of prospective prices and profits. Whate the buyer as an impersona hard-headed manner of logic, consider the question whether it will not pay to raise hogs.
Fiecognize the fact that price fluctuates, and reckon returns on a basis of averages. Go into
the hog business, not for the high spots, nor for the low. but to stick to it through thick and thin, dipping in a little heavier when others slacken up, majority of cases, to prove the more remunerative policy. Drift not with the crowd. Cores the opportunitics at period when scant supply makes prices high. Pursued on such lines, there is seldom a year but some money can be made
out of hogs, if economically fed by a skilled and attentive swineherd, and judiciously marketed. In the dairy districts, what better: stock have we as a medium for marketing skim milk and whey Advocate" estimated that he made skim milk worth 50 cents a hundredweight for this purpose The estimate may be high; doubtess iveight. In place the figure at 25 cents a hundreawelght. In
to eight weeks of age, and fed afterwards on skim milk or whey, plus shorts, mixed grains, and some green feed, including roots and clover chaff, or al-
falfa, can be easily marketed as first-class, 200 pound singers at between six and seven months of age. We will go farther, and say that when this result is not obtained, under the conditions specified, there is something radically wrong with the producing such a hog, even in winter, need not usually much, in while in summer by utiliz ing alfalfa pasture, the cost for feed need not run over $\$ 4.50$, including the rent of the land. How many times have there been, in the last five years, when these figures of cost would not leave a margin of profit? The trouble is there are pigs, wallowing in wet dung in clammy pens, with an excess of stale feed in their troughs. Not one pig in ten is fed as he should be with a view to profit. We speak from experience and some what wide obser alon of the supply comes that too large a proporter part of October, November and December, bringing the cured product on the British market at a period when the demand for bacon is curtailed by the consumption f poultry and other meats.
With an embargo upon American live hogs, and duty of three cents a pound on American fresh pork, the Canadian hog-raiser enjoys about all the fovernment favor that can justifiably or effective y be granted him. Legislation never made an angel out of a pork-packer, anadian bacon one thing needed to revive the Canadian bacon industry is about one ant growthy shoats on every farm It is time to cease grumbling at the packer hut take him as we find him, make the best of the business, and, for the sake of our own pocketbooks, raise hogs.

Seeding Under Difficulties.

> A subscriber, who says he sowed oats in a and nay 10th they were not yet out of the ground and that it was then raining as though it had never rained before. Alluding to our editorial on timeliness, thoroughness, and despatch in seed ing - practice, he expresses a desire to learn
method of preparing a seed-bed in the mud. can be followed, irrespective of weather, but the suggestions offered in the editorial referred to are calculated to produce successful results, in so far as these can be insured prevailing. Indeed, the untowara condians adval such a rush the work will find themselves ahead in the end. It is somewhat surprising, and very unusual, that oats sown April 17th should not have been up by May 10th, but if the seed was good, we would have little or no concern for the final result. The probabilities are that a great many fields will have required harrowing atter sceang

## hrough.

 There is this consolation to be one man who misses his opportunities to sow at the proper time usually suffers for it, yet, when one does his best, and commits the seed to the ground in good condition as soon as land and weather permits, he not infrequently secures a full crop, even though the season may have opened later than usual. It is a case of one doing the best he can under theMilk Situation at Toronto.
The decision of the milk and cream producers n the vicinity of Toronto to enter the retail field, marks an interesting development in city milk business. Needless to say, they are not under taking the scheme for pleasure. Ultimately, it hoped that higher net prices will be derive, that a steady and certain outlet for
A profit from the business, amounting to interest on capital invested, and a reasonable re turn for the raw product, are two essential Evidently, then, the assumption is estherially more dealers are at presental invested, or else that the management of businesses now in operation is not economical. Other considerations that may be taken into account include higher quality in the supply, and more efficient service. None of the producers have complained that too much is being paid for the milk as it comes from the farm. As a rule, the development ortimes a highbusiness is a sow process. salaried manager, who understands detains yet by start to finish, by practicing economy, and yet by judicious expenditures, succeeds in showing a healty seriod. On the average, however, even with shrewd business management, it is found to he up-hill work.
One of the difficulties of co-operative effort in anada is to induce the co-operators to make ' the long pull, the strong pull, and the pull all ogether, my hearties," in the face of temptations and seducements accidentally or purposely thrown before them. The Toronto milk-producers will not find the operation of their own Ir they sucness by any means smooth sailing. If they succeed, their example will certainly be emse of unique vill attract wide atte

Increase the Corn Acreage The lateness of spring-grain seeding throughout a large area of Eastern Canada, owing to cold, backward weather the latter part of April
 ince tailing the acreage of grain and increasing the Hea devoted to corn, millet, buckwheat, rape, and other crops adapted to a later planting period. If this proves to be the case, the backwardness of the season will in all probability turn out to be a not unmixed disadvantage, pera haps a henefit. It is safe to say that han armers were awake thes arn grown in Canould be at in the past. The planting senson which, coming after the grain seeding, lengthens the time for putting the plowed land under crop. The second advantage consists in that it affords remunerative employment in its summer cultivation, with a splendid opportunity cor rid the fields of noxious weeds. A cornfeld, cultivated as well as it should be for the good of the crop, will incidentally be freed of all weeds by horse work, except an odill hils or in the rows, which will require the thoend, in for shed with he, weeder, ivator, for cultivators are now made which will traddle two rows at a time, being drawn by ree horses, and guided by a man behind. This faster than many farmers of the old way work their summer-fallows, and almost as thorough in

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regard to weed eradication. A third, or, should
we say, a fourth, advantage of the corn crop is
mold of an inverted sod, leaving the land in ex-
cellent tilth for a succeeding crop of grain. And one of the strongest advantages of all is that, of
all crops, excepting, perhaps, only alfalfa, it produces about the greatest yield of cattle feed, no the least important feature of which is that it ma dition as succulent winter feed, while a surplus may, with no depreciation to speak of, be carrie, over for midsummer, or eling. Especially where alfalfa and clover ar argely grown showuply an excess of protein balance up the deficiency in the corn, and the tw together provide an immense quantity of fas economical rations, which lay the basis fo profitable cattle-feeding.
dian farmers
grass, and ge

Make Your Own Rod.
o'clock, light
Fallon farm,
markably short time the building
flames. The farm and buildings are the propert of Owen Traynor, and the burned structure con-
tained a large quantity of seed grain, a threshing machine, and some hay. There was some insur-
ance on the barn, but the contents are a total loss."
The foregoing paragraph, doubtless typical of hundreds that will be read in the newspapers date. summer, is taken from a damn three similar al
which gave in the same colum counts. Many a tragens is thus disposed of not only often entailing the sacrifice of many
discharge, might be avoided for a few dollars' pense. Any farmer of ordinary intelligence, by 'The Farmer's Advocate," and repeated again last week, can make for himself out of nine strands of number nine soft, galvanized wire, as gooci a lightning-rod as any he can buy, and a better rod than many claimed by interested parties to be equal or superior. It is now clearly established and recognized by experts who have is nropgated the subject, that good lightning-rods, nroperly put up and properly groundea, ans lightefficient, if not actually a perfect means of thes ning protection are placed, their virtue consisting in that they are placed, thedium for leading the current harmlessly downward to the moist earth. Statistics prove that very seldom, indeed, is a buildin: damaged which is properly rodded, with the wires and all connections in good repair. Telephone companies protect their posts by placing ingt-hing-rods at intervals between the horizontal cicacy phone wires and the ground. In fact, the efflcace of lightning-rods is debate.
The renewed emphasis upon the value of this orm of protection is leading to renewal of ading and extortionate devices. Naturally, the agents are not at all favorable to the erection of homemade rods, and the unscrupulous among them en deavor to reflect upon the efficiency of the home made article. They will tell you, for instance, that iron has only a fraction of the conductivis of copper, which is true, but this is one reason why experts advise the former instead, the planation being that a discrage of vo violent a nature as almost to amount to an explosion, nature as almost to while with an iron rod the current is drawn downward more quietly. The iact of the matter is that so-called copper rods are sometimes conper only in name, while other hand, a twisted nine-strand cable of galvanized wire is substantial and durable. A considerable
number of barns in Middlesex and other counties number of barns in Middlesex and other counties have been protected with the well-known dairy farmer, Henry Glendinning, of Manilla, informed us that he had put hem on his barn, and stated further, that one day when threshing, a thunderstorm came up, vivid flash, immediately followed by a deaiening crash of thunder, led the men to believe that the storm, they ion that a log lying against the rod had been displaced, and charred, or splintered, the remember rightly, indicating at all events eround. Not improbably it saved the harn, and perhaps some istes as well. the materials for rodding ? ards, staples, nails and corks, will cost $\$ 4.50$, or and handy men can make good wages putting thing. The lowest we have heard of agents charging is eleven cents per fool, and from farmer
wo to twenty cents, or higher. Any
who, after reading this article. can be hunbugged into paving $\$ 30$ for a job that can be better done Mo himself, or a handy neiphbor, for \$10, can
only be regarded as exemplifying the old sall Not Mine, but Ours.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## HORSES.

## The Hopse Trade

## Horses of both the heavy and light classes at

at present in greater demand and sellin is every prospect of an increasing deman and profitable prices for ycars to come for all th good ones likely to be raised in this count
Dealers experience difficulty in filling orders Dealers experience the trade in the Northwest, declare they could do a large export business the heavy-draft class could they find horses lar and weighty enough for the requirements of that a large supply, and the bet ter class of carriage and saddle horses, owing to their scarcity, ar oringing higher prices than for many years are assured, is by no means large, and the proba bility of overproduction need cause no distrus as to the iuture of the industry, as the old stock,
in the natural course, will be wearing out and in the natural course, wing off as regularly as usual, and young stock will be needed to fill their places, as well as provide horse-power for the many thousands acres of nerl the coming years, besides supplying the wants of the numerous growing towns and cities throughout the Dominion. Farmers have the business of horse breeding and raising pr
tically in their own hands, and will do well provide for the trade by producing the kind and quality the markets demand. The majority of farmers may profitably breed a colt or two each
year without losing the service of the mares, as year without losing the service of do a large share with good nanagement, they will deir colts, and the youngsters be none the worse for it, since they
nay be early taught to feed in the stable while may be early taught to feed in the sith them on the mares are at work, and may run we good sound
pasture at night. Farmers who have git pasture at night. Farmers who have good sound breeding, and not yield to the enticement of the
dealer to part with them. The scarcity of dedealer to part with them. The scarcity of arge to the dearth of good brood mares in the hands Of farmers, who have been tempted by liberal slfiers to sell, rather than keep them, the result
heing that mares of excellent type, both of the healy and the lighter classes, which should be bre ding, are seen at service on our city streets.
There is no scarcity of good pure-bred stallions now, thanks to the enterprising spirit ricts no reasonable excuse for breeding to mo Erel, grade or uncound horses. It pass well in
the end to take advantage of the service of the best sire within reasonable distance, though the Tee may he a little higher, as the chances are
that the selling value of the produce will, at any: age, be mans times greater than the difference in ferior or middle-class horece. The hest policy to hreed them to the hest. horse available of the conform. There is a keen demand, as we have said. for high-class hovese of the heavy-draft sort,
and also for the carriace and saddle classes, such as the Hacknev and Thoroumbred sire are suited Feeding the Orphan Foal. ing time, the youngster may, by judicious manl,e t substitute for mare's milk is cow's milk, but age cow is much richer in fat than that of the Inare, and is deficient in sugar. To correct these 1.. used, always the milk of the same cow, and iat and to this add one fifth of warm water, adding to each pint of that a heaping tablespoon of white granulated sugar, and be alwayspore to
feed it at blood heat. The colt should be fed attlo and often. If we study the colt when with dozen times a dav. Therefore, give him half - teacup ful orery hour at first, and gradually in until he is fed six times a day, and then four
times. The hust way to teach the foal to drink ts be means of a rubber nipple on the spout of a Wap ot, If scours occur. a he milk. To pre
warmed, should to added in the
pare lime water, slake a lums) of lime by pouring

Points of the Shire Horse. in that excellent English treatise, entitled " Heavy Horses: Breeds and Management," the characteristics of the shire breed are thus described
The Shire stallion should stand 17 hands of
are his legs should be as big and massive as over; his legs should be as big and massive as
it is possible to obtain them consistent with flat bone, which should measure at least 11 to $11 \frac{1}{2}$ inches below the knee, and 1 inch to $1 \frac{1}{2}$ inches more below the hock; the hair should be plenti-
ful at all seasons, not wiry, but strong and deided, walk, which should be straight, level and true, and should be the walk of a cart horse, forward jauntiness of the nag. The hocks should at all times be kept together, and in position. The feet should be wide and open at the heel, with Wall of sufficient depth to avoid any resemblance
to flatness of foot the pasterns all round should have sufficient slope long and consequently weak pasterns are to be avoided. The head in the
stallion is of vast importance. It should be thoroughly masculine
in character, and all
trace of " ponyness " trace of "ponyness",
should be studiously a voided. With regard to the With regard to the
attributes of the best
type of shire brood attributes of the best
type of Shire brood
mare, it is perhaps mare, it is perhaps
correct to say that
breeders and judges breeders and judges
are possibly some-
what at variance, be cause the mare m
cat at a
that usually produces that usually produces the best results a
the breeder is but the breeder is but
:eldom the animal to
catch the judge's

 ussential, but is us-
ually detrimental. The
ual chical

should brood $\begin{gathered}\text { mare } \\ \text { rather } \\ \text { be }\end{gathered}$ | long, low and wide, |
| :--- |
| standing $\begin{array}{l}\text { and } \\ 0 \text { n } \\ \text { short }\end{array}$ | leas, witin well-sprung

pasterns and strong pasterns and strong
apen feet while the
ono should be as as an Wone should be as
wide and massis as can possibly be had, and the hair should be very abundant, and worn at all
scasons; the depth of both the heart and short ribs should be conspicuously present, and the
walk should be true and level, without any symptoms of rolling; this latter point, of course, ap-
phis plies equally to both mare and stallion. This
ype of animal being somewhat unpretentious in ype of animal weing somewsiby in gay carriage
character, and wanting possily
and dash, often fails to find favor with the eudues, lut the breeder of experience will have little diffl-
culty in selecting such animals for the purposes of culty in select
their studs. In former days, our forefathers for years
truggled to foster and encourage the weighty truggled to foster and encourage the weighty
clement. Within the last fifteen years, however.
ictand a gradual essening owig, undoubtedy, to the Tendency oi judges at shows to encourage quality.
That the horse of former days was in certain instances coarse and somewhat fleshy-legged, is un-
deniable, but the result has been, as is often the deniable, but the result has been, as or oreasion-
case, that a proportion of oreeders have occer Hily gone to extremes, and bred for quanity, withis Mnovation has been that the weighty element in Wanting that a revulsion of feling is again tak-
ver place in regard to this question, and that "N place in regard to this o question, and that
tallions that possess some of the characteristics the old-fashioned type will be sught after, in
der to cross with mares of quality. Another it come of the prevalence of shows has been that
desire has naturally been cultivated great desire has naturally been cultivated
hat (ong breeders to gain distinction in the sht the
 Aintaining of a large number oi animals in a
te of idleness. This. hoverver. is one fature
 ohject of all shire hroedines must eventually olve itself into endeavors to prodice the the
out weight we are nowhere; for if we present to
the dealer the nicest-turned and handsomest animal in the world, with sloping pasterns, and all much sought after, what do we find? Why, that the price offiered for such in the open market hardly repays breeding, and but the exceeds half the weight. There was also another circumstance that inflicted temporary injury on the breed, and that was the excessive demand for Shire stallions "boomed," after the usual American fashion, and everybody jumped into it, expecting at once to become rich. While it lasted, certainly vast numbers of Shires left our shores, but it must be
confessed that in many cases the quality of the animals so taken was quite a secondary consideration. A few importers then set up a certain standard of horse that was very far removed from
the best class of Shire. This type of animal was cleanly-legged, up-headed and flash. For such stallions fairly good prices were given, until some English breeders almost began to imagine that, their type, and that the Americans were right. Those who took this view of the case, and acted on it, found themselves overloaded with horses that were almost unsalable, and their condition
was certainly not to be envied. A little reflec tion should have taught these gentlemen that orie single stallion that is up to the proper English


Tatton Dray King (23777).
standard is worth at the very least as much as
several animals of the other sort, while at same time he is a benefactor to the breed at large, instead of helping to deteriorate it. Engsishmen are once more rapidly coming to their senses, and find that in breeding Shire horses they left, they must not be carried away by passing fancies and fashions, but at all times, and in every possible way endeavor to keep the Shire
horse in the position that he occupies-at the head horse in the position that he occupies-at the head
of all the draft breeds-by upholding weight, and
by by recollecting that what is estimable in a mare is almost invariably a defect in a stallion; that, in selecting a sire, true masculine character
throughout must be at all times kept prominently in view, and that it is not always the horse whose showyard career has been most brilliant hat is calculated
yood at the stud

## LIVE STOCK.

Pork Commission.
In deciding to send a commission to investigate he methods of Danish and Irish pork producers, Minister of Agriculture, has chosen Sy the lesser of wo evils. He was asked from some quarters to which he wisely replied that it was not, in the
wher ong run, in the interests of the agricultural class oo clamor for more protection. It is to their advantage, and to the advantage of consumers gen-
erally to have customs duties scaled downwards Frelling, doubtless, that political considerations demanded some show of acceding to the complaints and wishes of hog-raisers, he evidently
turned to the commission idea as one which, in turned to the commission idea as one which, in
the words of one of its champions, "could not do any harm "-that is, it could not harm the pork industry. The objection, of course, is that
the faddists and busybodies who imagine that verv ili, social, business, or personal, whereas
veriduous individual elfort is what is really do manded.
There is just one probable benefit we anticipate urns the appointment of this commission. If it with the packers and focisses attention the producing end of the industry, it may prove indirect benefit. Anything further, it would ready learned from Denmark what we have alcountries, and what our own experience and inestigations have taught us, we probably know Canadian cood deal more about hog-feeding under can tell us. It is than our riends the Danes ice what we know. We can do this without a

## Still Money in Hogs.

ditor "The Farmer's Advocate": Thinking that the experience of the writer, as
to cost, etc., in keeping some pigs through the winter might be of interest to some of your readrs, am enclosing statement of same.
There were eight in the lot-pure-bred Thester Whites. They were killed off at different times, as the supply of milk grew scarce. They were bought at a time when there was an over-supply on the market of young pigs, hence the fow frice, $\$ 1.00$ each. The usual price in this locality is from $\$ 2.00$ to $\$ 3.00$ in spring, and $\$ 1.00$ to $\$ 1.50$ in the fall. Many farmers advocate the killing of pigs when they will dress about 150 pounds, claiming that the first 100 or 150 pounds of buying again to start another lot, it eems a question whether it is not quite as profitable to keep them until they will dress from 200 to 225 pounds.
While the profit on these was not large, yet, in spite of the high price of feed, it shows that one is paid fairly well for the trouble of caring for them, besides disposing of our skim milk at a fair price, and leaving, as well, a nice pile of manure for the corn crop.
advisability advisability of breeding a pure-bred bull to his STATEMENT OF PIG-FEEDING ACCOUNT. Born Aug. 13th, 1908
 pounds, at 10c. per pound ..................
Mav 3rd-Sold two pigs, weight 436
pounds, at 10ic. per pound

Cost of eight pigs, at \$1.00 ..................... \$8.00
Meal, corn and middlings
Milk, 1,139 gallons, at 2 c per gallon.. $\begin{array}{r}\$ 8.00 \\ 76.91 \\ 22.78 \\ \hline\end{array}$

Profit

$\begin{array}{r}\$ 107.69 \\ 85.98 \\ \hline\end{array}$

1) rummond Co., Que. T. HARRY EVANS. [Note.- We would like to publish several hun-
dred detailed statements such as this, not merely the favorable, but the unfavorable ones, as well. It is impartial facts we are after. As to the
question asked, except under most extraordinary question asked, except under most extraordinary
circumstances, the breeding of a bull back to his own heifers is to be counselled against. Expert breeders may occasionally do it successfully for a
specific purpose that cannot well be accomplished specific purpose that cannot well be accomplished any other way, but, generally speaking, the risk
outweighs the advantage. Most of our breeds outweighs the advantage. Most of our breeds
have already had overmuch inbreeding.-Editor.]

A Simcoe Co. subscriber sends us a picture two white-face September calves, fed on separator weigh now 1200 for the winter. He says they a girl, who is seen standing between them in the picture. Unfortunately, the photograph is not cear enough for reproduction, but the figures are ing calves on skim milk, with good care.

The winter-feeding of export cattle in Alberta has grown to large proportions, and buyers for
at least three large exporting firms are straining every effort to get cattle. There is reason to expect large numbers of winter-fed cattle exported

THE FARMER'S ADVOCATE.
Steer-feeding Returns. Results from cattle-feeding, obtained from farm not 60 miles from London, Ont., furnish in-
teresting food for thought. Eighty-eight head teresting food for tossed 16 th October, 1908, and sold 21 st purchased 16 th october, 1908 , and sot
April, 1909, showed fair gains, but labor given April, feed consumed demand in arriving at net profits
The cattle were purchased, and weighed, on delivery, well shrunken,
$\$ 47.30$ each for 88 head, laid down in the stable. They were of various breeding, but principally They wore or grades. They had been on pasture
Shorthorn
About December during the summer and fall. About December 1 st they were put into the stabs
at first, gradually increasing, until, at the finish, they were getting practically all they could take, They were fed hay uncut, turnips and mangers silage, cut straw and grain, the latter consisting
of one-third corn to two-thirds oats, peas and barley mixed. The animals were tied in the
 pounds, and 1,324 pounds when they came out
They sold for $5 \frac{1}{2}$ cents, showing an increase in They sold for $\begin{aligned} & \text { val } \\ & \text { value of } \\ & \$ 28.80 \\ & \text { cert }\end{aligned}$ value that the whole gain in value obtained wa consumed by the cost of bringing them through and that the profit on the transaction this, the
sented by the manure produced. From the seated decides that it does not pay to prepare cattle for market in this way, unless the fertility kept in first-class con with his money than to buy Amman can do beet, and then sell them under cater conditions. A man with a farm is obliged
such on d
to ted stock because if he sold the produce, the to feed stock, because, if he sold the $p$ p
form would rapidly depreciate in value

Shelter for Grazing Hogs. In the summer time, swine should be on the ground. It is natural for them, and one seldom
makes much mistake in following nature. Hogs makes much mistake on iffifa will make rapid and
which are pastured on all which areftable gains with small grain allowance.
very prot very profile quantity of skim milk or whey can be
If a small qu an added for a month or so after weaning, so much the setter, but, in the makes the best substitute,
cts, allaife pasture miles it should be provided. ant, with or without milk, it should be provided. If one has not alfalfa, let him use clover, or even
an old grass meadow. Rape, artichokes and an ord grass mean g may also be employed. Anymixed grains the pigs out on the land, and provide pasture to reduce feet bills
For grazing hogs, suitable shelter sometimes
becomes a problem. In sone cases becomes a problem.
cess may be had to the piggery. In other in stances, portable pens must re provided in the
seasturelot. The main thing is to give the pigs pasture-lot. The main thing is to give the pigs
clean, dry, sheltered sleeping place. It need a clean, dry, sheltered sleep hg an good for hogs
not be enclosed. Fresh air is as goo not be enclosed.
as for other animals. It should, if possible, b as
movable, in order to change it around from one
pasture to another, and to pasture to another, and to
ing out the grass or clover in spots by close ing out the grass or, especially trampling when wet. The accompanying illust ration of farrow ing pens on a kindest shelter for grazing hogs They may be used summer and winter. but. fo reasons of convenience. are of special adaptation
to summer conditions. for which purpose they ar to summer conditions, for which purpose they ar
better with one end removed, all hut a cross-piec better won support The trough may be outside, and should bee of heavy plank, with a two-foot piece at each en
to avoid unsentine casilis The pigs should han
to


## THE FARM.

## ( A Business-loringer

I have had a barley advertisement runming in your paper for some time, which I would ask you to discontinue, as the bar ley-seed season is about over. I feel that I cannot let the opportunity pass without extending to "The Farmer's Advocate very great thanks for the many inquiries and orders this great paper has brought me. I have received somewhat over 200 letters since my advertisement it in several inserted. Of course, 1 had it in severn
other papers, but I can safely say " The Farmer's Advocate orders, and that, from all over ince. I have shippell station, 10 bushels bushels Richmond Quebec; 10 bushels going to Richmond, Quebec, Take Huron. I even heard from an inquire from Nova Scotia, who saw my ad vertisement in 21. It is easily seen that a great many people are aware of the great qualities this barley possesses over the Mandscheuri, by the business people who are after same. have sold same at $\$ 1.00$ per bushel, and have received many very grateful letters for the quality of seed I supplied my comers. I have not had a complaint Huron Co.. Ont. JNO. ELDER.

Forms of Phosphorus in Fertilizers A Nova Scotia reader has sent us two news-
paper cuttings, one of an article depreciating acid phosphate, and the other of an article discourageThomas phosphate powder) and the raw phohates as sources of phosphoric acid, and nat ur mhos hate nor basic slag are to be encouraged, what shall we use for our phosphoric acid? which It is to be regretted that articles, in which
unqualified statements are made regarding the de sirability of using one particular source of phos photic acid cor other essential plant -food ingredi emt) in preference to any other. should he pub fished, since it is most confusing and misleading of the fertilizer question.
One of the articles before us is an extract from

Grain, especially ear-corn, may be fed on th
ground, and the shorts mixed with milk, whey or dish-water, fed in the trough, at least three time a day. Where a large number of pigs are kept a cart or It is better not to have too many hogs in one pasture, and to have the field divided into sections, changing the pigs from lot to
for the good of the pasture. There is money i
. Try it. dished in the "Ohio Farmer") of January 'anal. listed in the "Ohio Farmer" of January entry effect produced by an application of lime to the experimental plots at Wooster Farm, and makes the statement that since fertilizers is injurious to the clover crop-the use of acid phosphate has been abandoned at
experimental work.

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& \text { Naturally, in reading the abbreviated article } \\
& \text { deferred to, one would conclude that the use of }
\end{aligned}
$$

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\begin{aligned}
& \text { Naturally, in reading conclude that the use of } \\
& \text { referred to, one would cone } \\
& \text { arid phosphate at the Wooster Farm had been un- }
\end{aligned}
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\begin{aligned}
& \text { Farm had been un- } \\
& \text { acid phosphate at the Wooster } \\
& \text { profitable, but a brief reference to Bulletin } 1822 \text {. } \\
& \text { b er }
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& \text { of the Ohio Experiment Station, shows that both } \\
& \text { on the Strongsville and Wooster Farms of that } \\
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& \text { on the Strongsvile and phosphoric acid was more } \\
& \text { station, no source of phosphor. }
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& \text { station, no source of } \\
& \text { profitable than acid phosphate. } \\
& \text { Roth the Strongsville and }
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& \text { Both the Strongsville and Wooster sols con- } \\
& \text { tain a large proportion of clay, but are deficient }
\end{aligned}
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& \text { tain a large proportion of clay, but are deficient } \\
& \text { in lime, which accounts for the beneficial effect of } \\
& \text { tical. }
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$$ the lime application.

$$
\begin{aligned}
& \text { the lime appncaten purpose it is only necessary } \\
& \text { For our present brief passages from Bulletin } 182 \text {. }
\end{aligned}
$$

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& \text { to quote a few brief passages from Bulletin } 182 \text {, } \\
& \text { which all go to show that acid phosphate in } \\
& \text { wo }
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& \text { which all go to show that acid phosphate in } \\
& \text { these experiments proved rather more efficient } \\
& \text { thither source of phosphoric acid. }
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\begin{aligned}
& \text { these experiments proved rather more et } \\
& \text { than any other source oi phosphoric acid. }
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$$

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\begin{aligned}
& \text { than any other source of phosphoric acid. } \\
& \text { Page 159. "Table XVIII. shows that, for the } \\
& \text { (1) }
\end{aligned}
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$$
\begin{aligned}
& \text { Page as as a whole, acid phosphate has bee the } \\
& \text { rotation as }
\end{aligned}
$$

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\begin{aligned}
& \text { most effective fertilizing material, and that its } \\
& \text { effect has been greater during the second rotation }
\end{aligned}
$$ effect has been greater during the second rotation

than during the first, and greater during both periods at Strongsville than at Wooster. Page 167. "The combination of acid mhos-
pate with either of these salts (potash and nitrogen), produces a much larger increase than either substance has produced when used separately. Page 175. "Taking acid phosphate as 100 the relative efficiency of the so xXvir-rma TABLE XXVII.-RELATINE EFFICIENCY OF
CARRIERS OF PHOSPHORUS.
 The other article with which we have to deal
is by W. H. Bowker, of commercial-fertilizer and is reprinted from the Maine Farmer. While Mr. Bowler's article is, on the whole,
interesting and instructive, we cannot agree with his opinion as expressed under the head "Tetralime Phosphate, or Slag Phosphates," which is
as follows:
as These are, no doubt, valuable in their place, but they have their limitations. According to the official methods of analysis in this country, raid. Therefore when one applies them, he is only adding to the sum total of phosphoric acid on the soil, of which the soil, as we have seen, contains enough for a number of centuries. up of about one-third free lime, and are valuable when the soil is acid. Probably a considerable part, not all the efficiency of slag phosphates, is due they contain. If one needs to apply lime to sweeten his soil, and does not care about the insoluble condition of the phosphoric acid, why not and 1,000 mixture of 1,000 ." (raw rock phosphate), nd thus have a ton that will contain as much hosphoric acid and more active lime than the The lime in such a mixture would be quite as acfive as the lime in the slags, and chemists tel
us that the phosphoric acid in either case is in..lain, slag phosphates contain about 15 in a phosphate, producing insoluble salts or re version. The mime will avoid this objectionable feature.
In order to show where Mr. Bower is in error, nat wire of the various phosphates of time cri-calcic
The most commonly occurring is the the crude rock
form. which we find in hones and the thociphatios it mas
thus: Sri calcic
$1 . i m e)$
$1 . i m e)$ Phosphoric aced tor three lime phosphate. This twi calcic phosphate is insoluble in water,
It is soluble in acid. To render this phosphate
the wilah, it is treated with sulphuric acid, the Water, Mono-calcic phosphate (lime)
ime, and the phosphate is rof soluble in water, haps justly so, for in this form it is most readily When applied to the soil, it gradually reverts o the di-calcic form of phosphate, which may be hus represented
 Lime )
In this form it is not soluble in distilled water, ut is still readily available to plants, being "t salts of ammonia, or in weak acids.
The iourth form is the tetra-calcic phosphate, The iourth form is the tetra-calcic phosphate, 1. four-l

Lime)
Lime)
Lime)
Limosphoric acid= Tetra-calcic or
four-lime phosphate. Lime)
This is the phosphate of lime present in basic
fag. The combination is unusual and seems to lag. The combination is unusual and seens to年 unstable, since available to plants than the tri-calcic lorm, present in raw phosphate rock. It is not
soluole in distilled water, but a large proportion soluble in dilute soil acids. 10 soluble phosphoric acid," and in analytical erms the statement is correct, for "soluble" phosphoric acid in an analysis means the phos-
phoric acid soluble in distilled water, but in the solls a large part of the phosphate which was insoluble in water is rendered soluble by dilute soil atids, ever present where there is decaying organic The phosphate of lime in basic slag has un-
lountedly been proved more available than the hosphate in ordinary untreated raw ground hosphate rock, so that Mr. Bowker's suggestion
0 mix 1,000 lbs. of agricultural lime with 1,000
 no of one ton of basic slag, must be taken as Further on, Mr. Bowker refers to the 15 per
iron which slag contains as "a bad thing " a phosphate." Now, a certain amount of iron s essential to plant development, being associatd with the chlorophyl or green coloring matter
in the leaves of plants. In raw rock phosphate, which is to be treated
with sulphuric acid in order to render the phosphoric acid available, a large percentage of iron of acid to accomplish the conversion of the phostoes not apply to basic slar.
Mr. Bowker also comments on the large quanti Furope, and the importation of basic slag from Furope and declares that "if slag phosphates
were as available and as valuable as they are were as a vailable and as valuable as they are
claimed to be, not a ton would find its way to
these chores, Claimed to be, not a ton woutement, one might
these shores." From this statement
infer that basic slag is not valued highly in Furope. If we examine lacts, however, we find hat about one-half the worlds consumption of the form of basic slag.
There is no doubt that on the American Continent at the present time, acid phosphate is the
monst popular source of phosphoric acid, and per-
haps justly so, for in this form it is most readily jield most of its efficacy in the season of its apmore after-effect in subsequent seasons.

Without a knowledge of the conditions, no one can confidentiy assert that one particular kind phosphate win give results, for acid phos have their special adaptations. On light soils, especially, and, in fact, on all soils which do not contain an excess of vegetable source of phosphoric acid for all crops On heavy clays, on soils containing an abundance of vegeLable matter, such as some swamp or muck soils, and all soils deficient in lime, basic slag may be
expected to prove the most beneficial. be well to mention here, however, that some muck soils in Ontario have shown on analysis a high percentage of lime, and experiments conducted on
these would seem to indicate that acid phosphate these would seem to indicate that acid phosphate
on such soils was equally beneficial in point of
yield.
It is natural to suppose, however, that on sour Soils basic slag would be the ideal form of phos of the slag tend to counteract the harmful effect of an excessive soil acidity, but the humic and other acids, produced by decomposing organic
matter, help to render the phosphoric acid of the slag available. Another valuable source of phosphoric acid Which must not be neglected, is animal bone.
This may be produced in various forms such as bonemeal, steamed bone flour, etc. It is outside the scope of this article to treat these in detail, Sut it may be mentioned that, although the form in raw phosphate roci, still it is more readily available, since bones, being of organic structure are attacked by soil bacteria, which break up the Wone phosphate of lime and liber In purchasing bone phosphate insist on getting a finely-ground product, since on this condition depends the degree of availability of the phosllour and other bone products, from which oil has been extracted, are to be recommended, since oil Basic slar ought to be purchnsed with guarantee that at least 80 per cent of the ma Lerial will pass through a sieve having 10,000
meshes per square inch.
$\qquad$ To sacure the greatest efficacy from either bone
fertilizers or basic slag on the first crop, it is advisahie to make the application in the preceding fall. for our phosphoric acid?" we reply: Use the material which from the nature of your soil, is calculated to vield the highest return and, if pos-
sible, condluct a small comparative test, with the sible, conduct a small comparative test, with the
various sources of phosphoric acid. Do not carious sources of phosphoric acid. Do not, attempt to produce crons with a phosphatic fer-
tilizer alone. but see that vour soil is provided tilizer alone but see that your soil is provided with an available supply of the three essentinls.

aledon Model (98292).

Scottish Captain (93359)
dispersed by auction by Messrs. Ma

## Conerete silo specifications.

## enclose you herewith specifications for con

 crete silo, which you may use if you think they will be of any service to some of your readers mer. The proportions of the material required are as follows: One part best Portland cement two parts clean, coarse sand; three parts clean,ine fine gravel; four parts clean broken stone. when
sand and cement together thoroughly, and, when dry, spread out on mixing board, and place gravel evenly over same; then, on top of gravel,
place the stone evenly and spread, after which use place the stone evenly and spread ater which use suricient water then throw the whole into a pile in the center of mixing board, and turn over twice place in the mold and ram thoroughly:
Make forms about four feet high, and fill to the tor with concrete. The filling of the forms should take about one day, or, in other words, the silo should be brought up four feet daily. set the first form on the foundation, which has
been previously put in see that forms are per fectly plurab, then fill to the top, thoroughly ramming each six-inch layer of concrete. After
concrete has set hard, remove the forms, and concrete has set hard, remove the forms, and raise them up so as to lap top of wall about
two inches; then brace in position, and cover top of wall with cement grouting mixed half and half,
and fill again, continuing thus to the top. and fill again, continuing thus to the top Place anchors in the wall at the top for nail-
ing plaie to, and make plate of 2 -inch by 12 inch joist, cut to form. Lap these one over the other, so as to break joints, and spike thoroughly logether. Then put on ordinary shingle roof.
The chute is made of 12 -inch terra cotta , and pipe. Use 2 -foot lengths, and put in alternate lengths of plain pipe and T's, so as to bring plugs when filling silo, which will be removed as silo is emptied, thus giving access to the chute from the inside.
Put galvanized-iron ventilator in apex of roof in the proportion of two with cement and sand sand. These specifications are given by an experienced superintendent of silo-construction, and will prove
satisfactory if closely followed. Glengarry Co., Ont

## Results of Dragging are Its Reward

Editur "The Farmer's Advocate": In answer to your inquiry whether I used the may say I did, and have a piece of road opposite
my own property, in good shape with a V -shaped scraper, with two plates on, but last year decided to make a splitlog drag, and I used it a few times, but found hard, as one would that had plates on, so I got
got one made by Trafalgar council, of two pieces of oak, $4 \times 8$, with three pieces of gas pipe between, with rods running through, and two steel plates inch thick and 4 inches wide. This is the idea
leveller, if kept in use often enough. I scrape leveller, if kept in use often enough. I scraper
my piece of road with this eleven times last year. road with this eleven times last year.
Have already scraped it six times this year, and have the satisfaction
of being told that I have the bes piece of clay road any where bet ween Hamilton and Toronto. I am proud to look at it and drive over it, eseciany this exceptionally wet pring. Not a particle of water is ing on it, whereas the roads all sea of mud, ruts and holes, and $b$ disgrace to the township, which has had four large graders since 1896.
t is not the township's fault, as hey have, and will, whenever asked, send an expert man with the grader
wherever they are asked and are making the kind of levellers I have y the dozen and any farmer pathmaster who wants one can have it, but, in the majority of cases you oads more than once or twice in a season. Why? Because they say they must level the roads for the our clay roads, and ao through our ountry Scot-free, without paying one cent to keep the roads up, nor acked un he neoole in authority late aqainst them They go over sur roads no... whom thev are all
mud nlowine purrows. and throw ing the mud all out on the sides,
and leaving great ruts for the water to lie in. and the only way to keep the roads in shape is to put

THE FARMER'S ADVOCATE
too wide, and then keep it in shape with the split-
lor drag with two plates on, like the one $I$ have, log drag, with two plates
which beiongs to the council.
Our council haven't made any special eflort to have the roads scraped systematically, any more than to supply part of the evelors,
they should offer a number of bonuses in different they should offer a number will undertake, with the
parts to the farmers who wir leveller, to keep up the roads in front of their own places; and every farmer should take prety enough in the road in 1 know of no better oo keep it in proper shape. heep his horses in condi-
way that a farmer can ken tion for spring work than by going out on the roads and scraping them , wirt in the center, put a pair of light harrows over it, and then roll, and he will soon have a road which the water wort. I get no compensation from the council, nor 1sk any, as they put my road in shape whin atis.
krader for me, and I do what I do for the satis faction of having a nice piece of all Ido. my own place, which pays met thanking you for the
I must not close without thand interest you have taken in our roads. . succes, interest spou-log drag is all due to the way you
of the spaluable
have kept it before the puhlic in your val have kept it befor
paper.

## Sow Buckwheat

A buckwheat farmer is generally regarded as an agriculturist who is on his last eess. .Nake buck wheat-growing his sole occupation, there are certain advantages about dimaily receive. more attention than benefit that accrues from the
First. there is the bene iact that buckwheat may be sown late. Cnequres example, has a field that is dirt, care to run falcleaning, but which one does or roots. This field
low, nor to put into corn or inay be worked throughout June, and for a weat or two in being, a quick grower, it usually get. the start of the weeds, and in this way, two reasons mencioned a wberry patch is plowed Further, when an on sield has been marketed, ideal
after the season's y conditions a are provided for a fine harvest of buck
wheat A field that is late for oats or barles. wheat. A field that is crop.
afiords a chance for this crots or A second advantage is that tuckwheat, formers atton-
sowing and reaping, occupies the farmer tion during periods of the road. Add to thes operations are out or this is an excellent grain
beneits the facts that benents teast moderate and occasional feeding, that
for at leat it is a fairly certain and prolific crop, and one that commands a paying price in the mar's plan-
we have abundant reason for the farmer
and ning for utilizing
this valuable crop

## A Discouraging Season

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& \begin{array}{l}
\text { Voditor editorial regarding the "Tripod of suc } \\
\text { Your er }
\end{array} \\
& \begin{array}{l}
\text { cessul Seeding Practice," viz, tinceliness, thorough- } \\
\text { ness and despatch, is very difficult to follow this }
\end{array} \\
& \begin{array}{l}
\text { less and despathe past three weeks there has been } \\
\text { spring, as in the }
\end{array} \\
& \text { such rains as to make it out of the question to } \\
& \text { work even on lands that are thoroughly drained } \\
& \text { sowed a field of oats on the condition, being ver. } \\
& \text { the low, and it was worked up very rapidy. To } \\
& \begin{array}{l}
\text { day (May } 10 \text { th) this field looks as if it had not } \\
\text { been worked at all, it is so battered down with }
\end{array} \\
& \begin{array}{l}
\text { been worked at ain has not shown up yet. More } \\
\text { rain, , ond the rater } \\
\text { over, it is raining now, us I write, as though it }
\end{array}
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& \begin{array}{l}
\text { grain crop in this district has been sown vet, } \\
\text { the farms are presenting a very dismal sight. in }
\end{array}
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$$

$$
\begin{aligned}
& \text { dry weather, god seed-beds can be made in sol } \\
& \text { mud as we have, you would wery much moy }
\end{aligned}
$$

Scots to Farm on a Large Scale. ane of the m, which visited Western Canada last
a Commission, intention
summer, has been in the West. with the int of purchasing 10 , krowing purposes. Ite represents asyditat Trimps. who purpose taking up a tract in somet
finut this ncrenge, and set ting it with mion

Another House Plan
Editor The Farmer's Advocate" ": a plan for a
ouse, I thought I would send min
ne could change this to suit his taste. I coull not give the cost, as lumber is somewhat cheape than when I built three yat "the same kind others might not care notice closet under fro material. froun will which we find very handy is hang our conts in. Also, in the clothes clos ang our conts in.
ou will notice shol


Second - floor Plan of Mr. Frost's House. heeping bedding
some time, and have saved most of the papyons and would not be without it if it cost twici- ${ }^{\text {DANIEL }}$ nuch.

## THE DAIRY.

Calculated Value of a Pure-bred Sire.
A fow poor cows may do little permanent Gurm to the dniry herd, but a poor sire will do untold damage. Frequentis, dairymen hold the penny so close to the eye it is impossible to see the dollar a little farther on, and his is just that a man is doing who has a good dairy herd or grace cows, ard common sire suyng a poor or eren bied sire improves the milk The cane bou his daughters only $1 \frac{1}{\ddagger}$ pounds. ing capacily oi his daugh the production oi their
milk at a milking above dams, this would mean an increase of 990 pounds of milk for the ten months, of son lays an ordinary cow should give milk. The daugher woul is, would give milk for a longer time in the
that whit regain her flow of milk bet-year-and she would regain her flow of milk better after an unavoidable shortage ors may, certainly
summer drouth. These daughters summer drouth. These daughters may certaing
be credited with 1,0 on pounds more nilk per year
at he low estimate be cretited wams produced At the low estimate
than their dams
to
 is a good producer for at It will, on the average,
she is eight years old. It be iour yoars after purchasing the sire, before his first daughters will have brought three cents, kept
Sin \$10. Cight intars and
at eompound interest for these four years, at 5
jer cent, will equal $\$ 10$, so the daughter's imper cenc. wir incease of income the first year is
provement or
worth $\$ 8.23$ at the time her sire is purchased. The cash value of the daughter's improvement
inherited from the sire), figured in the same way
ior cach of the last six years she gives milk, is shown in the following table: Improvement second sear
Improvement third vear Improvement third year
Inpprovement forth year
Improvent improvement fifth year
Improvement sixth wear

The total increased income of a cow over her
dain by having a good sire is. therefore, $\$ 3.85$.
 Iorty cows, an average of seventen heifers per
vear should he obtained, and twelve of these Should be worth raising, making it easily pos
(ible for a bull to earn twalve times $\$ \$ 3.85$, or 5525 per vear. This would amount to
in the three years that a
a bull is is ordinarily kept in cervire of providing every heifer one good parent

| Cost of sire | Pure-bred. | Scrub |
| ---: | ---: | ---: |
| Interest, |  |  |


${ }^{\text {Fxirat cost good sire. } 3 \text { y }}$ Extra cost tood

Than if sired ly, a scrub) it would then cost $\$ 36$


 in 818.85 in all. This makes a clear addition of plowmen. The delcegtes last vare were muent

gree of which is accurately ascertained with the than "cure," but since it is impossible to pre- heit, or below. "e spare no enfor to be derin
thermometer, not guessed at by inserting une's vent finger, will, not guessed at by inserting one's vent germs from obtaining access to nill in from such a practice, and we are finger, will enable one to counteract, to a iarge cream, why not adopt the "cure," viz, the doc- from such a practice, and we are meeting with
extent, this difficulty. It is thus that the use trine of "low temperatures ""? This is the sys- good results. I think the opinions of dairymen extent, this difficulty. It is thus that the use
of the thermometer disabuses all differences in opinion with respect to temperatures, and we all know that the presence of several thousand bac-
teria in cream does not materially affect its qualteria in cream does not materially affect its qual-
ity, provided the temperature has been reduced and mrovided the temperature has been reduced and maintained at such a degree that the yerms
will not develop. Besides, every farmer can see
what he is doing, and if he fails to reduce the what he is doing, and if he fails to reduce the
temperature of the cream to 50 or below when he has a guaranted thermometer which distinctly
points gout to him with what degree of efficiency points out to him with what degree of efflciency he has conducted his work, there is no excuse for
$\qquad$ tem which we follow in connection with the
creameries under our supervision in Saskatchewan, and it splendid effect on the quality of know what to do. They will meet
$\qquad$ icy be agreed upon by all buttermakers and inructors with cream, and the temperature at which it should be delivered at the creamery, and unitedly advocate
and insist on the farmers complying with this policy. In our own work, we are asking for a

## The Milk Problem in Ontario's Capital.



## borgetown and inglewood. some fomes irom

 One year ago last fall the retailers raised theprice one cent a quart, making the charge to consumer, 9 cents
there was a noticeable falling ofi in consumption,
possibly ten per cent. or more. The prevailing possibly ten per cent, or more. The prevailing .. A pleasing feature is the increasing demand for milk produced under up-to-date conditions.
Many consumers are anxious to have milk that
they know is produced under, rigid inspection. The they know is produced under, rigid inspection. The
milk supplied by The Farmers' Dairy Company ill meet their requirements."

FARMERS PUT PRICE ON GOODS.
Hhat they have to sell. Why should not farmer
do the same? Such was the question put by
dote Baird, a prominent producer a few miles Iohn Baird, a prominent producer a few miles
east of the city. "1 have been sending milk to Toronto for sixtcen years, and at one time, because
hept as many cows as I did at one thances of disposing of the milk are too un-
my cor
certain We never know what we are to pet for ertain. We never know what we are to get for
our milk. It seems the farmers have no say in he matter
"Of course, sometimes prices have been satisfac-
However, there always is a vast difference form the consumer for the same quantity of milk The average man on 100 acres scarcely can pro-
duce six cans of milk per day. Perhaps he has
\$1un $\$ 10,000$ invested, and he is not making a fortune,
On the
even with hard work early and late. "ugon, makes money handling six or eight cans
a day many cases he has not more than
a man HOW THE DEALERS VIEW IT. The retail milk trade of Toronto is in many
hands. The situation, however, is largely controlled by Price's Dairy and The City Dairy. As
far as can be learned, these companies enjoy growing business, and endeavor to meet the re
givements of the citizens. There is, of course quirements of the citizens. There is, of of the
a difference of opinion as to the extent of yearly dividends that may accrue from acting the
part of middleman in Toronto's milk trade. In any event, the outlay is considerable. the business
invested generally is in keeping with invested generally is in keeping insuring first-class milk. In support of the contention that prof are not abnormal, it is stated each year Reports are conflicting as regards the relationship existing between the large dealer and the men who furnish him with the raw product. In some quarters, it is argued that producers and
their milk to go to these men only because they
go have no other means of disposing of it the treatment he is receiving.
turn of clean cans and the prompt payment for milk sent in tend to breed a feeling of content
with the man who wishes to dispose of his milk with minimum bother.
GROWTH OF BUSINESS. ... The recent money stringency and prevailing high prices of milk have tended to curtail the de"He have more customers, but they take smaller tude toward certified milk. Three years ago we
tutale
started supplying Erindale high-grade milk at $12 \frac{1}{2}$ started supplying Erindale minh-grade of about 12
cents a quart. At first we disposed of quarts. Now we selt to doctors of the city started
quarts daily. Then the
an agitation for certified milk bearing a seal, "luch means that the milk contains less than
5,000 bacteria per cubic centimeter in winter, and
Fiery cow has to undergo the tuberculin test. (In vebruary 1st,
last, we began a supply according to these reguwere wanted. Now the total taken is 40 quarts.
We have no objections to the farmers opening a distributing plant in cone cinced as to the ex-
the only way they will be cond The development of price's lairy is interesting. Fighteen years ago sas heen a gradual growth,
yallons of milk. There has
those in charge keeping in touch with all phases it present. the daily retall

FARMERS AND DEALERS



to quality of product, it cannot be improved, un-
less the producers are shinning the dealers at present. Again, unles the dealers are making
abnormal profits, the new company cannot hope to make much mone

## dealers now making oy invested.

". A careiful study of the milk business during
the past few years has led me to believe that if
the farmer would pay less attention to the dealers' end oi the industry, and more to improving
his' herd and bettering conditions at home, he his herd and bettering conditions at home, h would profit more. A considerable per
cows now kept are only manure machines ". When The Farmers' Dairy Co. begin business,
in order to peddle successfully, they will have to andersell established dealers. Our business then the price. In order to do this, we must buy at such figures as will allow us the districts in which we can buy milk at 20 cents per hundredweight less than we
pay producers near Toronto. We don't wish to pay producers near Toronto. We conditions may compel us to do so. Prices necessarily must change to meet production, and to regulate 10 and
milk could be bought at 90 cents per can. Two connected with production was not so great as to warrant such a change. At present there is a ready supply. Our figures for milk brought summer, and $\$ 1.391-6$ for winter, or an average
of $\$ 1.26\}$ for the year. For wagon milk the price is 6 cents higher. Cossible to bring the supply from 100 miles imit. A peculiar feature of city milk trade is the pact that consumption is greatong with increased cost for feed, and labor in connection with the winter months. Up to the present, the producers association have been unable to regulate the supply. How can they hope to regulate the price? The net result of the farmers entering the retal producers of milk.
producers of milk."
It is only fair to state that the dealers interviewed evinced every desire to treat the producers fairly and to pay a reasonable price, always regu-
lated, more or less, by the available supply. The larger dealers have enormous sums invested, and, owing to lack of uniformity in consumption, are obliged to have a compa price. If the producers can demonstrate that this margin is too wide, they will prove a boon, not ouly to a large proportion of the farmers in the vicinity of Toro
but also to the citizens of Ontario's capital.

Pasteurization of Cream for Buttermaking.
We are pleased to know that there is a growing interest in the question of pasteurization, as considerably improved. We are also pleased that some of the butter merchants are offering a sub-
stantial premium for pasteurized butter. stantial premium for pasteurized creamerymen to
of itself ought to stimulate our put forth a strong effort to adopt the plan, and ods will not answer. It takes moreoskill to make pasteurized butter than it does to make the unpastcurized goods, and this may be the chief reasystem.
We know of no one thing which can be done at a moderate expense which is likely to have
such an important effect on improving our Canadian butter as pasteurization property done. This means a good heater supply of cold water, the use of a pure culture where ripened-cream butter is
made. and, above all, a buttermaker "with a head on him," to use a slang phrase. Given this increased from one-half to one cent a pound. In this connection, I wish to call attention an last winter, during my lectures to the dairy school, by a student, (ieo. Nielsen, himself a Dane, eries at Qu'Appelle, Sosk. We gave the credit of originating the system of pasteurization, as ap-
plied to dairy wor, to prof storch, of Copenhagen, and so understood it from what we had read,
mark, but it seems we were mistaken, or misinormed, and we are glad credit belongs.
truth, and give credit where che
Mr. Nielsen wrote Prof. Bernhard 13oggild, the Mr. Nielsen wrote Prof. Bernhard l3oggild, the present head of dairy work in Deninark, regard-
ing the point at issue, and I am glad to be able

Copenhagen, April $17 \mathrm{Lh}, 1909$
Mr. George Nielsen, Qu'Appelle, Susk,., Can. Mr. George Nielsen, Qu Appelle, Sask., Can. 1909,
In reply to your letter of March 31st, 1909 ,
beg to state that Prof. Storch, in the years from 1887 to 1892 , has done bacteriological re ization of cream does not belong to his credit. Prof. C. J. Jensen, at that time a young lecture and assistant at the Royal Agricultural College, difficulties in the buttermaking for investigation, on the Experimental Farm, Quelund. In his work there he applied heat to the cream to overcome troublesome bacthis method on trial in several places. The dairy instructors soon afterwards places.
commenced to use this method as a remedy against defects in butter. March 5th, 1890, it ap-
Prof. Storch's lecture, Mar prof. that Prof. Storch not even had thought of using pasteurized milk for propagating the lactic acid germs. At a following meecing, heired into dairy instructors, the matter was inquired and it was glad to make this correction of an error which we unwittingly made in our book
Canadian Dairying." and which we shall have Canadian Dairying," and which we shall have
H. H. DEAN. Dairy cows are like good land-if they, are well and wisely fed, they whr If a farm will not pay with what he works will certainly not pay when not farmed at all. So with a cow in milk: if she will not pay for fairly generous feeding, she will not pay on short ran ever before, has been proved over and over again in instances that are

## GARDEN 裾 ORCHARD.

 Potatoes Without Hoeing. The maximum of profitable production, with the minimum of expense and labor, should be the ideal aim of every farmer working his agriculentific principles, and the following method of growing potatoes upon the most economical lines are in stict conformity with this excell as the result of practical experience and extensive observation. The ideal soil for potato culture is a sandy laam. With slight additional results.$$
\begin{aligned}
& \text { lay loam will give splendid results. } \\
& \text { The soil should be evenly covered with well- } \\
& \text { loper preferably-50 loads per acre. }
\end{aligned}
$$ otted manure, preferably-50 loads per acre. Plow five or six inches deep, then disk and harrow and weed seens are destroyed, one way, and plow shallow furrows about 3 or 4 inches deep. Every wo furrows should be thrown towards each other. Do not plow many furrows ahead with inches apart. For early varieties, place the cu side down, and quicker results will be obtained Throw the ridges back with the mouldboards, covering two rows at one time. If this handy

plement cannot be obtained, use the plow. One plement cannot be obtainer this, and should walk upon the ridges. By the latter method, however only one ridge at a time can be attended
Leave the soil in its rough state for a few days, Leave the soil in its rough state for a few days,
and then level with harrows. Keep the latter going every fourth or fifth day, or sooner, if ground is very weedy. Thas oper to three inches high. Frequent cultivation is then necessary to keep the soil clean and loose. Hill the vines with the mouldboards at the from the vines, weed seed, aided with the shade from the required. will be destroyed. Hoedng is thus bot bute planting. no not cut a week ahead and pile them or place them in bags, or the vitality will be greaty do-
creased, if not destroyed. Mixing land plaster with the sets is an excellent way to preserve their full germinating value. Discard small, cul potatoes for seed. Experience has proven that
the mediuin or large, smooth, well-shaped potatoes mediuin or are productive of the best results. For early varieties, the Dewey and Early Sensation can be confidently recommend Trish Snow Flakes harvesting, the carmen and early varieties should have been planted as soon as there was any June 10th. Spraying according to the formula in a recent
ser pav the grower. have been followed by many prominent growers in this district, and have given great satisfaction.
T. A. Raker, Middlesex County, obtained 230 bags to $1 \frac{1}{\text { s. acres of ground, and advises all growers to }}$
give the system a trial.
WM. BARTLETT, Jr.

## THE FARMER'S ADVOCATE

Keeping Quality in Norfolk Apples.
received considetable atention these columns during the past few weeks. Some contributors seemed convinced that winter apples grown in southern Ontario will not keep late in the winter. cultural methods and reasonable handling of the cultural methods and reasonable that at one time was noticeable, and that still holds good for apples from neglected orcharls, packed without ny precautions being taken.
Direct evidence that the fruit remained sound packing, is most convincing. James E. Johnson manager of the Norfolk Fruit-growers' Associa-
tion, has demonstrated to "The Farmer's Advotion, has demonstrated to "The Farmer's Adro-
cate" staff-once early in March, and again last week-that apples grown along Lake Erie can be kept in common storage. The last lot reached
this office on May 12th, and were sound and this office on May 12th, and were sound and in Norfolk County, along the shore of Lake Erie, and stored in an ordinary cella
Further evidence as to the keeping quality is
nished in testimonials received from those who urnished in testimonials received from those who use fruit packed by Norfolk Fruit-growers Ass
ciation.
In every package a card is placed $r$ questing the consumer to write the manager, giving his candid opinion regarding the apples. Some of the replies are very flattering. Writing from
Berens River, Man., on February 13th, Rev. A. E. Oke, B. A., Says : "Last fall 1 purchased a barrel of No. 1 King apples from you, per a Mr stewart. At that time mon. I was especially glad to procure them a that date, as I am a missionary among the Saulteaux Indians, Berens River mescme as soor had to go up Lake Winnipeg. At your solicitation, 1 now give you my candid opinion. The apples opened up in
first-class shape. They were exceedingly firn first-class shape. They were exceedingly firn
and luscious, without even an intimation of scab and are to date firm and good. Of those used we only procured two apples that were in the
least rotten, and we used parts of these. It least rotten, and we used parts of these. It
gives me pleasure to pive you this recommenda gives me pleasure to give rou honest due. The barrel has given entire satisfaction, and I shall be glad to sample your fruit again in the fu-
ture."
From Raldur. Nan... under date April 24th 1909, A. J. Brown, writes: I usel the last of
Grade No. 2 apples the last week of March; onl Grade No. 2 apples the last wrek on hers, but yet
one decayed : some not as fine as other a good iruit, of Radway, Man., on May 1 st wrote: "Last fall mough in Winniper. The wer No. the purchaser
opinion as regards opinion as regards the apples Now rule think much of answering such requests, thing put up by a fellow farmer, I should what I can to assist him. I therefore have grea pleasure in informing you that the said barrel
apples were splendid, were well packed, and even size. 1 put them in my cellar, and the kept good all winter. about the middle
Similar letters have been reccived from man sources, indicating that Norfolk winter apple
properly grown, and well packel, give entire sal
isfaction isfaction, cven after long shipments.
In a recent letter to " The Farmer's Advo cate," Mr. Johnson says: "I also want to con
firm the statement made by J. A. Welster, of Fl gin Counts, that our possibilities are great, an vet asleep, and do not prize their orchards ing rapidly. Our markets in Figin and Norfol Counties have been unjusti, hurl he reports the ing sent out that "inter apples grown in
counties bordering on lake Firie will not keep good merchantable condition in ordinary storay
 detriment. It is hoth discouracing and mal
$\qquad$ We are only too willing to assist other conntios
in this good work, and ask for the publication of the truth in wegard to our "intere fruit its flamer.
lieeping qualities. pte. We have such faith in th.


## Black-knot on Plums

 atrected with black-knot. When 1 see it, I cut it
of below the affected part and burn it, but 1 am afraid before long I will have it all cut down and burnt. What will cure it? have clow that the branches touch one another, and it has not been te least bit affected. D. A. A. Ans.- Some varieties of plums are much more
subject to black-knot than others. The Lomsubject to black-knot than others. it. The only emedy is to cut out the knots whenever thes appear, and in doing so, the branch should he at two or three inclies below where the ends some distance down into the branch, and when cut off close to the knot, often produces anther on the end of the stub. nots as soon as they appear, to prevent new knots as soon as they appear, avoiding spread of infection, is
his trouble

## Smooth Potatoes

One gallon rain wate
One-half pound soap.
Boil soap in the water until all
en, when boiling-hot, turn out into this il and mix with a spray pump for a fex Ies, until it forms a thorough emulsion tock emulsion should be diluted with ninc the amount of water, making thirty gallons of spray. Guelph That riritish Columbia is an importer of i \& a matter of general knowledge, but that
imports to the extent of $: 1161,794$ a year cotne as somewhat of a surprise. Such is it llue of her importations for last year. If thinning of fruit. on trees were adopted more generally throughout our country, it would

## POULTRY.

Alphabetical Poultry Pointers
Farmer's Advocate things, do not try to keep firty hens
1 thing Be sure the poultry is provided with plenty of it, a dust bath, and a fountain of pure, fresh Chickens should be provided with shade, with mall sharp grit, and should be fed at regular in-
urvals on pure, wholesome foods. for her is in the stew-pot.
Fveryone who raises poultry should keep a
record this vear, and see how the accounts balance at the end of the year. asiness, and especialls at this time. when grain
s so high in price. Therefore, no culls should be Those that don't yield their, owner a rea(irowing birds require a great deal of exercise,
nd should have shacious imes if they are con-
neet. 1 , not How much did you have left at the end of last
vear, after all expenses were paid? The amount Alls your success or failure as a noultry-raiser. auses bowel troubles, and that carries off the Just keep those lice and mites at a respectable
distance from Mother Hen. coops, and the whole Hastice trom Mother Hen. coops, and the whole
moultry premises. Whitewash is a qood disinfec-
ant and should be applied freely to house. coops. hests, itc: a two-per-cent, solution of crude K..." a wat whor the chicks' enemics, namels,
rows, hawhs. weasels, cats. rats, skunks, and Little chichs shomb be fed often, but never
much at one time: the also should be provided with grit and pure fresh water. Wany make the mistake of overcrowding their Norer allow the chiche water fountain to beast three times a week. Their coops and runs Ocerfeeting is as had as underfeeding, and, with chicks. the former occurs more frequently; the ween the chicks a little hungry. Make them Poulter raisers should not hus poultry because It is cheap, hut should insist on having a good Tixe to kepp it as wer the standard as possible. and this atands good in the poultry business, as tones: they should go to the block. Roosters hould he separated from the hens
fiter the mating suason is past, and the young fler the mating spason is past, and the young $\rightarrow-2$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


Nice Type of Smooth Potato with Shallow


Rourh Potato with Deo Eyes-Poor Type
 "aste is unatoidable. Beath are sulficiemly large hame in suitable soll. Gespite the lact that Whole potatoes should be planted, the keneral
 Cherry Aphis.
g



## Solving the Naval Problem

 If England must have ten Dreadnoughts to Dreadnoughts to England's ten, what s the an swer?For some time this difficult, problem has been engaging the earnest attention other day, a membe of the London Stock Exchange discovered a solu tion of it-maybe.
The London $\qquad$ The London broker-whose proposal is commended by that eminet- augests that the Govern-
finance, the Economist-sul ment levy a
paper, issued.
paper, issued.
He calculates that such a tax, after allowing for a great shrinkage in circulation, would still for a great shing in twelve million pounds a year-most welcome to a heavily-burdened exchequer-and " at the end of one year, or probably eariier, the
press would discover that our navy was quite adequate.'
With such a tax for naval purposes in both
countries, udds the Saturday Evening Post, each countries, adds the Saturday Evening Post, each
would be daily instructed to love its neighbor wotter than itself, and a statesman who proposed building anything more formidable than a ferryboat,
kind.

## Nova Scotia Notes.

Winter has certainly " lingered in the lap
spring." No grain sown yet (May 8th), though spring. harrows and plows started to-day for the first, and seeding will begin immedrate
weather permits. Seed time is short, at the best, in this coun
Seat when we are ten days late beginning, it makes all the more of a hurry when Live ptock has comices for all kinds of live stock are high
with the possible exception of sheep. The low price of wool is against high prices for sheep
Beef is selling at $\$ 1.50$ to $\$ 5.50$, live weight milch cows are very scarce and high, in fact, to
high for the quality. Horses are in great d mand; good sound, young horses of 1,200 to
1,400 pounds are selling around $\$ 200$, and some eggs, 18 cents.
frain and mill freds
ent cents: good seed oats, 70 cents. May is
plentiful, and a considerable quantity will be kep Clover and grasses, thnugh late, have com
through the winter fairly well, and at present through the wis
there is a prosp
('umberland

Vegretalole-growers' Report
tahle-growers' Association, just issuen, nal nate with valuable information of a practical nature,
and pertinent illustrations of crops implements
and field scenes. Almost every phase of vege lable production is Liven claborate consideration The address,
convention

Brown-tail Moth Still in Nova Scotia.

 mon minn


| Montreal. |  |
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## IMPERIAL BANK OF CANADA

 chartered 1875.

SAVINGS DEPARTMENT. \$1.oo opens an account.
paid at higherest paid at highes
date of deposit.
Farmers' sale notes discounted. Branches throughout the Do minion of Canada


Cheese Board Prices. Farnham, Que., butter sold at 21łc.
Camphellford, Ont., cheese, $115-16 \mathrm{c}$. to 122.; Stirling, Ont., 12c.; Tweed, Ont.
12..; Woodstock, Ont., 11 gc. Brockville
Bno Ont., 12 1-18c. bid, no sales; Belleville,
Ont., colored $11.15-1 \mathrm{Bc}$., white $121-1 \mathrm{cc}$. to 12 12c.; Kingston, Ont., 12c. to 12tc.;
Alexandria, Ont., colored 12 1-16c., white
$12 \nmid c$ c.; Napanee, Ont., 12 3-16c.; Picton, nt., colored 12c., white 123 -16c.; Cornwall, Ont., $12 \ddagger \mathrm{c}$.: Iroquois, colored 12 c .
white 12 t c.; Huntingdon, Que., colored 12 1-16c., white 12 ctc .; butter, 21 c .;
London, Ont., 11113 - 16 c .; St. Hyacinthe, Lundon, Ont., $11 \quad 13-16 \mathrm{c}$. ; St. Hyacinthe
2ue., cheese $123-16 \mathrm{c}$., and butter 21 bc.; Cowansville, Que., cheose 12 dc c., and but
ter 21 t. to 21 dc c.; New York, U. S. A. butter, creamery, specials, 28 c . to $\begin{aligned} & 26 \mathrm{tc} \text {.; } \\ & \text { official price, 26c.; creamery, extras, }\end{aligned}$ official price, 28c.; creamery, extra,
26tc.; creamery, thirds to frsts, 21 c .
25 c .; process, common to special, 15c.
23tc. Western. factory firsts, 19 tc . process, common to special, 15 c . to
Western, factory, firsts, 19 dc to to
Watertown,

## Chicago.

$$
\begin{aligned}
& \text { steers, } \$ 4.60 \text { to } \$ 6.10 \text { Western } \text { sters, } \\
& \$ .75 \text { to } \$ 6 ; \text { stockers and feders, } \$ 8.60 \\
& \text { to } \$ 5.65 ; \text { cows and heifers, } \$ 2.50 \text { to }
\end{aligned}
$$

$$
\begin{gathered}
\text { \$6.25; calves, } \$ 5.25 \text { to } \$ 7.50 \text {. } \\
\text { Hogs-Light, } \$ 6.85 \text { to } \$ 7.35 ;
\end{gathered}
$$

$$
\begin{aligned}
& \text { Hogs-Light, } \$ 6.85 \text { to } \$ 7.35 ; \text { mixed, } \\
& \text { to } \$ 7.45, \text { heavy, } \$ 7.05 \text { to } 87.50 ; \text { roug } \\
& \$ 7.05 \text { to } \$ 7.20 ; \text { good to choice, heav } \\
& \hline 8700
\end{aligned}
$$

$$
\begin{aligned}
& \$ 7.05 \text { to } \$ 7.20 \text {; good to choice, heav } \\
& \$ 7.20 \text { to } \$ 7.50, \text { pigs, } 85.80 \text { to } \$ 6.75 \\
& \text { bulk of sales, } \$ 7.25 \text { to } \$ 7.40 \text {. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { bulk of sales, } \$ 7.25 \text { to } \$ 7.40 \\
& \text { Sheep and Lambs-Native, } \$ 4 \text { to } \$ 6.50 ; \\
& \text { Western, } \$ 4.25 \text { to } \$ 6.40 ; \text { yearlings, } \$ 6.25
\end{aligned}
$$

## British Cattle Markets.




The Railway Commission has or-
dered that stations and passenger dered that sutations cleaned out and
cars be regularly kept in sanitary condition. This
will be welcome news to a great many
mat people wetco is to be hoped that the
proler will be followed on all the railways by steps for a more general planting of vines and flowers about
station-houses, which too often are station-houses, which
masterpieces of or barenss and ugli-
ness. The C. . R. already sends ness. The
flower seeds to the stations along its
lines hut we have not noticed as lines, but we have not noticed, as
yet, a general planting of vines, such yet, a , enerau on the American side,
as is is ongue on
about these buidings.
Fiowers are about these buildings.
good ; vines are better. $\begin{aligned} & \text { Fors are are } \\ & \text { No other }\end{aligned}$
vor good: vines are better. No other
outlay of money can so transform
ugliness into beauty, and, if outer utiness some few inches from the
trellises some
walls be provided
there need be
 long 's
ture's

$$
\begin{aligned}
& \begin{array}{l}
\text { Recent news-colunns and the in- } \\
\text { death of one young man, and } \\
\text { jury of another, by a lightning-bolt }
\end{array} \\
& \begin{array}{l}
\text { jury of another, by a lightning-on } \\
\text { which struck a tree under which they }
\end{array} \\
& \text { which struck at tree unould be remem- } \\
& \begin{array}{l}
\text { were stanat, to stand under a tree or } \\
\text { bered that, to } \\
\text { in an open doorway diurng ar thun- } \\
\text { derstorm is to risk a danger that }
\end{array} \\
& \begin{array}{l}
\text { derstor } \\
\text { might }
\end{array} \\
& \text { Mr. Mackenzie King has noted that } \\
& \begin{array}{l}
\text { the International Opium Conference, } \\
\text { at Shanghai, from which he has just }
\end{array} \\
& \begin{array}{l}
\text { returned, was, with the exception o } \\
\text { The Hague gathering, the ifst inter }
\end{array} \\
& \begin{array}{l}
\text { The Hague gathering, er insti-diplo- } \\
\text { national diplonatic }
\end{array} \\
& \begin{array}{l}
\text { national diplonatic or at whasch both } \\
\text { matic conference held at } \\
\text { European and Asiatic nations have }
\end{array} \\
& \begin{array}{l}
\text { been present, fourtecn nations hav- } \\
\text { ing been represented by the various } \\
\text { int }
\end{array} \\
& \begin{array}{l}
\text { ing been represented that a begin- } \\
\text { delegates. The fact that } \\
\text { ning has been made to such broadly }
\end{array} \\
& \begin{array}{l}
\text { international gatherings is auspi- } \\
\text { cious } \\
\text { Such mingliuk of the nations, }
\end{array} \\
& \begin{array}{l}
\text { cious. Such minglug or some beneficent purpose, } \\
\text { united for sunt }
\end{array} \\
& \text { to break down walls of misunder } \\
& \begin{array}{l}
\text { standing and remove prey from pro } \\
\text { is necessary to get away from } \\
\text { vincialism, to be willing to acknowt }
\end{array} \\
& \begin{array}{l}
\text { edge good in other peoples, and rectiz } \\
\text { learn lessons from them-to recogriz }
\end{array} \\
& \begin{array}{l}
\text { all men as very close in the greal } \\
\text { family of humankind-if the hithes } \\
\text { type of humanit? is to he attained }
\end{array}
\end{aligned}
$$

the present ruinous preparations
$\begin{aligned} & \text { a possine war the Xew York In } \\ & \text { the proposal. } \\ & \text { pendent sals. }\end{aligned}$
i erssal
needed
needed chiefly: a leader who will well, "o you think that he would
 ave the splondid enthusiasm, energy be willing to continue wo to to the equally to the children at once, or
$\qquad$ |We are very sorry that "Chips"
has misunderstood us in regard to
 the farmer's-wife quastion. We have
"lwass held that the farmer's wife
whis





 freace movements, since, during his and brothers.
 Was awarded the Nobel Peace Prize man's working for herselt. When she
for his efforts as internediary in the earns money, it is hers. When a or the weem Russia and Japan. No farmer's wife earns money working better crowning life work could come
to him than instrumentality in the carrving out of a proposition which
must

A Letter from British Columbia.
 great majority of men are amenable to reason, and that those wives $t$ their case quietly and reasonably are lihely to meet with
fairness and consideration. Too often bia) can dispose of his property, so any legal right to one cent, if he so any hes, should he die first, and even
wishes
if wishos to leave his property to if he wishes to leave his property to
his family, lawyers are allowed to legally draw wills, so that they can
pratically, to all intents and purposes, do as they choose with prop-
$\qquad$ they are only thoughtess or unab
Columbia. ser vant. As regards the wife's share always held that, us partner of the In wour issue of February 18 ,
(909, you quote $a$ writer in Every- his family, lawyers are allowed to husband, and contributor to the
gains of the estate, she should have Dody's making the stat enent that in
the United states the number of woher fair share:
ITpon many other points, Chips' argument is well taken, and, we their homes, is increasing. Then you her home to work at a Eainful oc-
her $\qquad$ a man's wile and chirdren should be
protected from lawvers have
known of an old man who thourbt known of an old man who thought Sou kindly note the ract that farm- known of an oid man eving right
iith others are in Tavor of the ing on the farm, outside the home, At anything they can do successtuty,
such as mikhing raising poultry,
sconing bees, making gardens, etc. It

$\qquad$ Cases-qrowing happily fewer year by
$\qquad$ solicitor) also has, he claims, power
to do as he chooses with the propWomen's Institute Meetall proceeds go into the man's purse,
without care tor the future, she is $\qquad$ 13. the ings. considered right for a woman, just lecause she is a farmer's wife. My
,eason for same is this : (custom has wade men think it right that farm-
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ after him, to do us they like with (iuelph . Women's Institute is making

$\qquad$
$\qquad$
$\qquad$ so wills, he can give it io another to take care of her. The children
get nothing oi the property at all.
$\qquad$ Vomen's Institure is again out for
full campaign during the summer. wils, pive them, "itary of hea seakers, will be sen will start on There is no provision for the grand- various localities, until towards the
children inherititiv. if the children end of July, the subjects taken up chindren all die before the widow dies. bearing on foods. sanitation, hy-
should all
sit
 Ateeble onat he was doing, let in law of beverages. All the speakers have ver draw this tegal whr give give jects upon which they speak, an in-
Is it right that our laws vantace of training in the Litlian

$\qquad$
$\qquad$
$\qquad$

＇Hope＇s Quiet Hour．

The Ingle Nook．

Removing Liquid Soot
Dear Dame Durden，- This is the first time I have written to your paper fo move that black liquid from a chimney on a pair of cream linen lace curtains？ Stovepipee had been removed，but con－
tinued heavy rains soaked them with it． I wish to thank you for your many helps，but sweetest of all for the＂Quiet Hour．＂Kindly don＇t think of giving
this．writing up，as I think you know this writing up，as 1
my need week by week．
nink My people have taken＂The Farmer＇s
Advocate＂almost continuously since it Advocate＂almost continuously since it
was founded，and it＇s fust as welcome in
$\qquad$

$$
\begin{aligned}
& \text { I har just , curtains. He says it will be a } \\
& \text { your are }
\end{aligned}
$$

$$
\begin{aligned}
& \text { your curtains. He says } \\
& \text { very difficult matter to remove the stain, } \\
& \text { as it ineans the removal of both creosote }
\end{aligned}
$$

$$
\begin{aligned}
& \text { as it ineans the removal of both a ctrong } \\
& \text { and carbon. Washing with a strong }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and carbon. Washing with a } \text { orrong } \\
& \text { washing soap will take out the criosote, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { washing soap win take out insole. Perhaps } \\
& \text { but the carbon is ins }
\end{aligned}
$$

$$
\begin{aligned}
& \text { - Rules for correspondents in this and } \begin{array}{l}
\text { books cost to little, comparatively, and } \\
\text { may be collected with quite long intervals } \\
\text { between. If people only could realize }
\end{array} \\
& \text { other Departments: (1) Kindly write between. If people only could realize } \\
& \begin{array}{l}
\text { on one side of paper only. (2) Always private library could mean to them, 一 } \\
\text { send name and address with communica- even twenty volumes of the right kind ! } \\
\text { tions. If pen-name is also given, the real } \begin{array}{l}
\text { how } \\
\text { could pany hours, otherwise glomy, it } \\
\text { consan pleasatly nway; how great }
\end{array}
\end{array} \\
& \begin{array}{l}
\text { name will not be published. (3) When } \\
\text { could pass pleasantly nway; how great } \\
\text { name richness it could bring into life, how }
\end{array} \\
& \begin{array}{l}
\text { much ease in conversation it could en- } \\
\text { sure on chance meetings with people who }
\end{array} \\
& \text { now : Meet a stranger who has read } \\
& \text { ly you are on friendly ground, and your } \\
& \text { lips are unsealed. Above all, think of } \\
& \begin{array}{l}
\text { the enlightening of your own mind by the } \\
\text { opening of so many doors as these books }
\end{array} \\
& \begin{array}{l}
\text { opening of so many doors as these books } \\
\text { afford. You are no longer thed down }
\end{array} \\
& \begin{array}{l}
\text { to your own dooryard, or to the hap- } \\
\text { penings in your own neighborhood; you }
\end{array} \\
& \text { penings in your own neighborhood; you } \\
& \text { are kin to anl the wo world is yours if } \\
& \text { ests everywhere. The wor will never encompass } \\
& \text { it ell: there will be enough interesting } \\
& \begin{array}{l}
\text { things to last you all your tite. country } \\
\text { I hope to live right in the }
\end{array} \\
& \text { again some day, and sometimes I plan } \\
& \begin{array}{l}
\text { again some day, and sometimes I play } \\
\text { the books I must have ; indeed, I have }
\end{array} \\
& \begin{array}{l}
\text { started my library. So far it is chieliy } \\
\text { literary, but if I were right in the coun- }
\end{array} \\
& \text { literary, but if I were right in the coun } \\
& \text { try I first, the books with colored tillus- } \\
& \begin{array}{l}
\text { trations of birds, wild flowers and weeds, } \\
\text { and butterfies. They cost more than } \\
\text { Then }
\end{array} \\
& \text { and butterfiles. but they open a door to } \\
& \begin{array}{l}
\text { others, perhaps, but they open a door to } \\
\text { the world closest at hand. Then }
\end{array} \\
& \begin{array}{l}
\text { the world closest at volumes by John } \\
\text { should buy some uttle vole } \\
\text { Burroughs, and thence off into many new }
\end{array} \\
& \begin{array}{l}
\text { Burroughs, and thence off into many new } \\
\text { fields of literature and art, and home }
\end{array} \\
& \text { fields of ico Possibly many would place } \\
& \text { the home economics first, and truly some } \\
& \text { would need to place it so. } \\
& \begin{array}{l}
\text { A boy came into my once } \\
\text { to look at some of the bird books, }-\mathrm{a}
\end{array} \\
& \begin{array}{c}
\text { Normal School student he is, and such } \\
\text { an enthusiastic lad, -some lucky school }
\end{array} \\
& \begin{array}{l}
\text { an enthusiastic lad,--some lucky school } \\
\text { will have him for teacher before long. }
\end{array} \\
& \begin{array}{l}
\text { will have has a passion for nature study, and } \\
\text { He has listening to his }
\end{array} \\
& \text { I just thought when histening } \\
& \text { his tramps about his home, that a real } \\
& \begin{array}{l}
\text { interest in, and a little understanding } \\
\text { of the things of the filds and woods is }
\end{array} \\
& \text { all that is necessary to make a great } \\
& \text { many boys and girls in love with the } \\
& \text { home !" he said. } \\
& \text { Now, I must stop this ramble. Please } \\
& \begin{array}{l}
\text { forgive if I have crowded someone o } \\
\text { this time. }
\end{array}
\end{aligned}
$$

$\qquad$
 Dear Dame Durden,--Could you kindly
give us a few hints through your paper give us a few hints through your paper
on what to do and what not to do when
travelling ? We all on what to do and what not to do when
travelling? We all enjoy your paper
very much, and wouldn't do without it LUCY B. M. You do not say whether you are going to travel by water or by land, but in
either case, if you are out for a good either case, if you are out for a good
time and do not want to be worried, do not make the mistake of taking too
much luggage. I know some peopre who much luggage. I know some peopre who
have been more than once to Europe. have been more than once to Europe.
The first time they took all they thought
they would need. The frst time they The result was that
they would need. The
on several occasions they were obliged on several occasions they were obliged
to wait two or three days, where they to wait two or three days, where they
did not want to stop, for trunks; once
the trunks went astray altogether, and the trunks went astray altogether, and
then, of course, there was a peck of then, of course, there was a peck of
trouble. Now these people "travel troube. Now these poople "trave as few articles of clothing as possible.
Indeed, people who travel much never Indeed, people who travel much never
take much; to do so is usually a sign take much; to do so is usually a sign
that one is "out for the first time." A well-fitting suit of some dark color,
with a silk blouse (rajah is the most with a silk blouse (rajah is the most
serviceabie) to match, is a necessity. A net waist may be taken to wear for
evenings, and possibly a silk skirt like the blouse, which will give a silk suit on
occasion. If going on the water, you occasion. If going on the water, you
will need a heavy wrap or coat of some
kind as cold winds often blow, and one kind, as cold winds often blow, and one
must be prepared for them. Most
travellers on the ocean add a steamer ruv. Take just enough underwear to
'keep clean with, easily -many "Keep clean with" easily,-many long
headed women now have underwear and night - dresses of pongee for travelling,
and wash the pieces out when necessary, and wash the pieces out when necessary.
leaving them in the stateroom to dry Pongee is very light to carry, is easily
washed, dries quickly, and may be worn on a pinch without ironing. Now, if
there is any room left, you may tuck in an odd shirtwaist
get along nicely unless your trip is to
long. For your head you will need. close sailor or panama, without much trimming, that can be worn with a vell. Now, orther things, your own sens of what is ladylike will help you through.
quiet manner and voice is of course indispensab hespensalle, and a promptness to davor that may come in one way, or to acknowledgo graciously any In regard to conversing with strangers who may be encountered by the way, we
quote Emily Holt, the nuthor of ". Enyuote Emily Holt, the nuthor of "En-
yclopexia of Ftiquette, ". When a
ong journey of sone days is ong journey of sone days is undertaken
and a masculine passenger finds it in hi way to frequently serve a woman or
woment who are travelling alone, he car
went peasant friendliness, eventually
leasant friendliness, eventually tell him
heir names and ask to know his in re
 tquaint tance' with any woman travelilut

 ggister, "poon which oneses roum is a isned about an hete one must bo
erry chary about enerink into conversa-
 anve done way with, and mussongerts

 Te the tip suatly means very poor



Two Useful Utensils


$$
\begin{aligned}
& \text { Azaleas. } \\
& \text { who told me this way of preserving them } \\
& \text { always packed them down as soon as } \\
& \text { they came down in price in the spring, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { always packed them down as soon as } \\
& \text { they came down in price in the spring, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Would } \\
& \text { Azaleas? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Azaleas? How otten do they flower } \\
& \text { year? } \\
& \text { sucess. Wishing you and the Nook ever } \\
& \text { susdin AEWCOMFR. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { snur, and stand little end down in a } \\
& \text { air } \\
& \text { basket. Hang the basket up in some }
\end{aligned}
$$

$$
\begin{gathered}
\text { sucuces.s. } \\
\text { Middlesex } \\
\text { Prof }
\end{gathered}
$$

$$
\begin{aligned}
& \text { basket. Hang the basket up in some } \\
& \text { cool place. I hang mine in the cellar. } \\
& \text { coll }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Middlesex Co., Ont. } \\
& \text { Prof. Bailey writes as follows in regard } \\
& \text { to the Azalea: "The best soil for }
\end{aligned}
$$

$$
\begin{aligned}
& \text { I think the protection of birds a good } \\
& \text { idea. The Institute had better take it }
\end{aligned}
$$

$$
\begin{aligned}
& \text { to the Azalea: The best soil fo } \\
& \text { Azaleas, if grown in pots, is a sand } \\
& \text { compost of half peat and half leaf-soil }
\end{aligned}
$$

$$
\begin{aligned}
& \text { compost of half peat and half leaf-soil } \\
& \text { with an andition of good fibrous loan } \\
& \text { Plant firmly, and give very good drain }
\end{aligned}
$$

$$
\begin{aligned}
& \text { on my hat bird to be perched up on } \\
& \text { insult to a of } \\
& \text { some of the hats they are offering for }
\end{aligned}
$$

Plant firmly, and give very good drain

$$
\begin{aligned}
& \text { age. During the summer they should } \\
& \text { kept in a cold-frame or in the open in } \\
& \text { kep ore }
\end{aligned}
$$

$$
\begin{aligned}
& \text { In answer to Auntie's question alout } \\
& \text { breadmakers. I will just say that I have } \\
& \text { usead one for some years, and would not }
\end{aligned}
$$

$$
\begin{aligned}
& \text { kept in a cold-irame, or in the plunged } \\
& \text { a sheltered spot, with the pots plun } \\
& \text { in the soil, or planted out in prepared }
\end{aligned}
$$

$$
\begin{aligned}
& \text { in the soil, or planted out in prepared } \\
& \text { beds, where they make a very vigorous } \\
& \text { and healthy growth. They must have }
\end{aligned}
$$

$$
\begin{aligned}
& \text { beds, where they make a very vigorous } \\
& \text { and healthy growth. They must have } \\
& \text { plenty of water, and free syringing dur- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ing the hot months. Repot and transfer } \\
& \text { in the greenhouse in September The The }
\end{aligned}
$$



$$
\begin{aligned}
& \text { yeast, dissolved in toup lukewarm } \\
& \text { water, and the remaining four. Let rise } \\
& \text { over night. In the morning knead and }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Water, and the remaning ifour. Let rise } \\
& \text { over night. In the morning knead and } \\
& \text { roll out about } 1 \frac{1}{5} \text { inches thick; cut with }
\end{aligned}
$$

$$
\begin{aligned}
& \text { roll out about } 1 \frac{1}{\text { inches in thick; cut with }} \\
& \text { round or oblong cutter l let get light } \\
& \text { enough, then bake } 25 \text { minutes in mod- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { enough, then bake } 25 \text { minutes in mod- } \\
& \text { the are sweet, light and } \\
& \text { crate oven. These } \\
& \text { delcious. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ratate oven. These are sweet, light and } \\
& \text { delicious. Remember that water used }
\end{aligned}
$$

$$
\begin{aligned}
& \text { must be boiling. } \\
& \text { Fried Mush--Slice graham porridge } \\
& \text { Frion }
\end{aligned}
$$

$$
\begin{aligned}
& \text { left ower into rather thick slices. Fry } \\
& \text { slow with a little butter, and serve } \\
& \text { with maple syrup. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Prune souffle,-To } 1 \text { cup stewed prunes, } \\
& \text { toned and chopped, add \& cup sugar and } \\
& \text { to }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Serve with } \\
& \text { cunt and made minute with yolks of eggs or } \\
& \text { ith whipped cream. }
\end{aligned}
$$

$\qquad$With the Flowers.

How We Learned to Stencil. By kind permission of "Suburban Life." (By kind permission of
It was in a spirit of adventure, rather than with any fixed purpose, that we started to investigate our ond
its lofts, sheds and enticing doorways But it wes with a sudden appreciation of its thousand possibilities that, high
up in the second story, we discovered a up in the second story, we discovered a
great loft which. when cleared of its vengreat loft which. when cleared and cobweb-
erable cart-wheels, poles and draped boards and boxes, bid fair to
make a good-sized work-room or studio. make a good-sized work-room or studio.
We took possession at once, and spent We tollowing days cleaning the old hand-
thewn beams of a half-century's dust and
hewingly with hewn beams of a half-century's dust and
grime, and dealing uncompromisingly with hordes of wasps and spiders.
By special invitation, the village carBy special invitation, the and employ his time cutting two small windows to
the east, giving us a beautiful view of the east, giving us a beautiful view o
pastures and woodland, while below lay pastures and wrhard and row of prim
our aple or
white hives. A sweep of air came a. we opened the big door opposite on it
creaking hinges, and looked west acros, creaking hinges, and
the house and garden


Putting on the Color the is painting through the "holes" of the stencil. The
th send us two tubes. She left, and,
after pasing her concsience of the tubes,
she might have resigned us to our own Alter masing her conscience of the tubes
she might have resigned us to our own
devices, quite forgotten. And, had she devices, quite forgotten. And, had she
done so, our old brown - raftered room done so, our old brown - raftered roon
would doubtless be deserted now.-it fould doubtless be deserted now,--its
fascination departing with its novelty and its spiders. But she did not. And the enjoyment, and the work of many happy
days that have followed, will always reenjoyment, and the work of many happy
days that have followed, will always remain in our minds as something of a
gift from her, through her sympathy it from her, through her sympathy In course of time,-a week at most,we received from her an order for a pair of curtains for her daughter's room a
school. and were flung in consequence in school. and were flung in consequence in
to a state of excitement equalled only by our perplexity. What should we do, We found the tubes of color, on examining them, quite as terrible as we expected-a shrill pink and a poisonous
kreen. That was all we had, and, tak ing heart from the thought that at least they could not last, we mixed them. The pink softened the green and the green
subdued the pink: it was better than we subdued the pink; it was better than we
had dared to hope. We cut from cardhad dared to hone. We cut from card-
board, with a sharp knife, a stencil of a little cabbage rose, quite formal in
chape Chape, and its bud. We bought soft
cheese-cloth (our first outlay) and made $m$ all around. Alternately

 $t$ he stencil. We with great firmness
worked very slowly and acuracy, leaving
and painfully with strong, anarr, gaged in the decorating of a house. line, should be as wet as poss.
The next paralyzing moment occurred
well
mixed, to avoid paintiness.
In making borders for the curtains, a gaged in the decorating of a house. line, should be as wet as poss.
The next paralyzing moment occurred
well
mixed, to avoid paintiness.
In making borders for the curtains, a gaged in the decorating of a house. line, should be as wet as poss.
The next paralyzing moment occurred
well
mixed, to avoid paintiness.
In making borders for the curtains, a When we received inquiries in regard to In making borders for the curtains, our prices. What did we know of prices,
forsooth? $\begin{aligned} & \text { long straight-edged plece of sten was but another problem } \\ & \text { is pressed tigh with the fingers, as well } \\ & \text { as with thumb-tacks, along the line of } \\ & \text { to grapple with. }\end{aligned}$ Then the brush, fairly dry, is We were then given by a humorous Iriend two volumes for doubleentry bookkeeping. I think there must have been
a twinkle in that eye which we missed. For, as the only doubleentry bookkeeping we had ever done dated back to our school days, and the one classic example
with the barrel of sugar, we say all we with the barrel of sugar, we say all we
have to say in the ledger, and press our stencils in the other. It's a nice book
for almost anything. Tor almost anything.
To return, however, to the process itTo return, however, to the process it-
self. Little by little we learned to imself. Little by little we learned to im-
prove it in many particulars. We soon replaced the white Rristol-board with copy-press sheets, a cardboard with a
glazed surface which does not absorb the glazed surface which does not absorb the
moisture, and, consequently, break and ruin the stencils. We felt that, as a stencil is of its
nature very formal and somewhat crude, nature very formal and somewhat crude,
its possibilities are limited to simple and conventional forms, and, consequently,
cons anything literal or realistic would be out After drawing a design, we trace it with a somewhat sharp point on the as wressed thamb-tacks, along the line of the hem. Then the brush, fairly dry, is rubbed quickly and lightly along. This
makes a clean-cut outline, and is very effective with some arrangements and designs. Borders should be done on bot
the right and the wrong side of the hem the right and the wrong side of through fron if the color has at otherwise, the effect is
the right side; spotty and far from attractive. As the double application of paint tends to mak
the borders stiff, the solution must br the borders stiff, the solution
put on as lightly as possible. The curtains may be pressed, after dry ing at least twenty-four hours, with
moderately hot iron; but it is our exper moderately hot iron; but it is our experi-
ence that they should hang nearly week in an airy place before they ar used,--unless, to some eccentric custome

the water should not be too hot. Mod erate care should be taken not to rub
coarse soap on the design itself, -other Coarse soap on the design itself,-othe
wise the process washes with great suc wise the process
cess. Fine cheese-cloth, unbleached muslin,
cotton and linen scrim-in fact any soft cotton and linen scrim-in fact any soft
hanging wash fabric-lends itself to this hanging wash fabric-lends itself to this

$$
\begin{aligned}
& \text { we placed the rose to make a more in- } \\
& \text { and the bud on the cisive i m pression } \\
& \text { and } \\
& \text { curtain, and, using when the tracing is } \\
& \text { our stif paint-busushes completed, we cur cut } \\
& \text { cond our strangely- with a very sharp } \\
& \text { made colors, mixed small -bladed knife } \\
& \text { made }
\end{aligned}
$$



Cutting the Stencils.
$\begin{aligned} & \text { bloters under with } \\ & \text { cheese-cloth to keep }\end{aligned}$
$\begin{aligned} & \text { cheese-cloth to keep } \\ & \text { it from running, and } \\ & \text { and }\end{aligned}$
$\begin{aligned} & \text { when the curtains } \\ & \text { were covered with }\end{aligned}$
$\begin{aligned} & \text { the pattern we col- } \\ & \text { ored the little hems }\end{aligned}$
$\begin{aligned} & \text { all around to make } \\ & \text { a dull-green border. }\end{aligned}$
$\begin{aligned} & \text { That was all - ex- } \\ & \text { cept that our backs }\end{aligned}$
$\begin{aligned} & \text { cept that our back } \\ & \text { were quite broken, } \\ & \text { nond our brains reel- } \\ & \text { ing from the un }\end{aligned}$
$\begin{aligned} & \text { and our brains reel- } \\ & \text { ing from the un- } \\ & \text { wonted co n centra- }\end{aligned}$
$\begin{aligned} & \text { ion. have had a } \\ & \text { We hat } \\ & \text { kood many orders }\end{aligned}$
$\begin{aligned} & \text { since then, and } \\ & \text { have discussed } \\ & \text { haffairs of natio } \\ & \text { with the nabitue }\end{aligned}$
of our
be at least sumf-
invention, and time
Shortly afterward
e learned that, dur
ng period of our liv both studied designing and furniture and the world was already wise the oil-paint
common interest in old
Making experiments house decorations. Making experiments $\begin{gathered}\text { know that naphay indiche mixture, } \\ \text { makes a practically indelible }\end{gathered}$ in this field, we had frequently wished ac and consequently offers great scope for tor curtains and
with our ichemes of decoration, and had the kind of work we had in mind.
We learned also, from friendly and proWith our chemes of decoration, and bace felt before.
fivt, as probably many have the lack of thin, transparent materials, simple in design and with some claims to durability. For, through the large,
kenerous windows of our country houses generous windows of our country houses.
the sun beats uncompromisingly, and takes the heart out of most color, and we see a second summer begin with pale
and faded draperies or sadly depleted purse. was a definite object:-but Here, then, was a definite object;-but
how to go to work to realize it? how to go to work to reat, who braved
()ne day we had a caller, whder. On our trapdoor and uncertain ludder. hearing our difficulties, she sulgested try
ing some of the "Fasy Dyes" "hich lure ing some of the "Easy nyes stores, and
the credulous in departiment shat sympathy

We learned also, from friendly and pro-
fessional sources, that it was best to Tessional sources suffient paint for the day's
Lake out siters to absorb
work and leave it on blotters work and leave it on blotters learned, too, that it takes much patience and much despair before you can make the mixture of naphtha and paint stay on the spot
designed for it; for, unless the brush is designed for it; for, unless
rubbed almost dry on a piece of cloth. it is prone to run, and so spoil many a curtain. ${ }^{\text {All this }}$ knowledge we had to acquire as soon as possible, for our friends and
promoters, while we were yet dazed at promoters. while we were
having produced anything at all, w flourishing our lit lee achievement in.
 is used for the sake of emphasis. On is used for he sand his own without fear
may call his hand
of dispute. It is enough if he be as may dispute. It is enough if he be as
of
sure of what is Right, Good, and Infisure of what is Right, Good, and Infi-
nite,"""with simple, perfect faith." An-nite,"-"with simple, perfect A. Whe poet may
other student comments: "The particularize here on account of the con-
troversies regarding the word Infinite. particulaize regarding the word Infinite.
troversies It has been maintained by John Stuart
Mill, and others, that we have no posiMill, and others, that
tive idea of the Infinte, that it is only, a negative of an end or termination.'
Another class asserts that the Infinite Another class asserts that the Infinite exists as a a positive cond
human mind. human .mind.
(b) .. Severed' and 'anno
form completion of the verb (c) "Mhe word whom migh be inserted-
world arraigned or were they
whom my soul disdained worid arraigned oul disdained
whom my soul
right,$~$ (d) '. Fancies ... escaped':
Flitting, fugitive images in Flitting, fugitive images in
the mind,--images so ethereal the mind,--images
that they were never crystal-
tized into thought, so were lized into thought, so were never spoken or written. A
beautiful metaphor, which calls to the mind a brilliunt insec
winging through the sunligh winging through the sunligh momentarily detained by
silky web, but breakin
ihrough and disappearing frot ilky web, but breaking
hrough and disappearing fron
our ken before we have mor han a flecting glimp
race and vividness."
"Tennyson voices the same sentiment when he says: And I would that my tongue could
utter. The thoughts t a utter, The thoughts tha arise in me, We cannot al-
ways frame our thoughts.
wicture our tancies, or voice sur feelings in words it
seems to us at such times
inadequate seems to us at such time express the height or dep our feelings."
 sites. XIX--so, inexperienced Wint should not rest in his lerity, but should strive to-
ward that fuller, wider life ard that fuller, wider hand
soul and skill of hand
hich age should enjoy; age, hich, after the buffetings o
should be content to look back on a life well
ived. And with anticipations of higher perfectio rould he await death, wit
forehocdings, as in earl he calmly awaited the St. XX. - Now is the time
,f ripe julgment, born of
vears of intimate relation with the Spirit of the Cre-
lore a time when, with unavering discrimination te
an indicate the Right, the
Rood the Infinite. He knows heir marks, their very essence, as certainly as he distinguishes his own hand from
that of another-without a
fossibility of doubt. This nissibility of doubt. - be-
ansolute soul-knowledge - be
fille which intellectual power cos. maxa

asolute soul-knowledge - be-
icle which intellectual power
s puny weakling - Dr.
$\qquad$


YOU cannot buy flour as
fine, white, pure and nutritious as Royal Household under any other name.

There is no other flour in Canada upon which half so much money is spent to insure perfect purity-just think for a moment what that means to the health of your household.

## Royal Household Flour


is the best-most wholesomemost carefully milled flour to be had in this country. The Ogilvie name and trademark are on every barrel and sack - a guarantee from the maker to the consumer Tell your grocer you must have Royal Household.

Ogilvie Flomr Mills Co., Umilied, Montreal.

The Golden Dog
(Le Chien D'Or.)
A Canadian Historical Romance. Copyright, 1897, by L. C. Page \& Co. (Inc.) [Serial Rlaghts Secured by the Wm. Weld Co., Ltdn, CHAPTER XVII-Continued. "I am a simple quail," thought
he, "to be caught by her piping fool of myself if I do not take care !
Such a womar as this I have not found bet ween Paris and Naples. The
man who gets her, and knows how to use her, might be Prime -1 came
of France. And to fancy it-I
here to pick this sweet chestnut out
 These were his thoughts, but in
words he reflied, I. The Lady of
Beaumanoir is not my wife, perhaps never will be." Angelique's eager
question fell on vers unproductive
prepund.
$\qquad$
$\qquad$

Protect Your FRUIT TREES
Against Insects.
Cooper's $\mathbf{V}_{2}$ Spray Fuild
will kill all such pests-it is both a benefit and a cure. If properly applied, it cannot fail-it re-invigorates the trees and keeps your fruit clean
One gallon or Fluid makes 100 gallons of Spray, and mixes instantly with cold water. It does not injure the hands or burn the leaves.
Write for free booklet, and order at once from the nearest agent, of
WM. COOPER \& NEPHEWS, $V_{2}$ FLUID 152 BAY ST., $\quad$ TORONTO. The Summer Epray


## DIAMOND DYES

## Never Disappoint Me.

often find that one or two packages of your famous Diamond Dyes will make an old skirt or dress so bright and pretty that my friends and neighbors think they are new garments. I frequently dye articles of clothing for my ittle boyble with Diamond Dyes; they are easy to work with, and never disappoint me. I strongly recommend Diamond Dyes to my friends."

MRS. A. R. LEMARCHE, Acton Vale, P. Q.


Skirts Made New for 10 Cents.
'There is no sport that my daughter enjoys more than playing ennis. She organized a club last summer, and the young people had such good times with their practice games and at the tournament which they had at the end of the season that she didn't care to go away on a vacation

All the girls were planning to have new skirts for the tourna-ment-but Alice-my daughter, had a Diamond Dye party at our house instead, and they took turns dyeing their old skirts. They had such fun during the process of changing the colors, and were so happy over the way their skits looked when pressed, that I feel very sure that it will lead to their making othe experiments with Diamond Dyes

MRS. ERNEST EASTMAN, Harrisburg, Pa.

Important Facts About Goods to Be Dyed Diamond Dyes are the Standard of the World, and always give perfect Diamond Dyes adapted to the article you intend to dye. Beware or imitaits chaion will color Wool, Silk or Cotton (" all fabrics") equally well. This claim is false, because no dye that will give the finest results on Wool, Sillk, or other amimal fibres, can be used successfully for dyeing Cotton, Linen, or other vegetable fibres. For this reason we make two kinds of
namely: Diamond Dyes for Wool, and Diamond Dyes for Cotton. Diamond Dyes for Wool cannot be used for coloring Cotton, Linen, or other Mixed Goods, but are especially adapted for Wool, Silk, or other animal fibres, which take up the dye quickly. vegetable fibres, which take up the dye slowl
"Mixed Goods," also known as "Union Goods," are made chiefly or either Cotton are the best dyes made for these goods.

 of the Direction Book. and samples of dyed cloth, all FRE LIMITED

OUNDEU IXtig ". Remove that lady from Beauma
oir!", exclaimed he in complete surnoir! exclaimed he in complete sur-
prise; "surely that poor shadow
does not prevent your accepting my

$$
\begin{aligned}
& \text { devotion, Angelique?" } \\
& \text { dyevalior }
\end{aligned}
$$

$$
\begin{aligned}
& \text { " Yes, but it does, Chevalier } \\
& \text { like bold men. Most women do }
\end{aligned}
$$

$$
\begin{aligned}
& \text { like bold men. Most women } \\
& \text { I did not think that even th }
\end{aligned}
$$

$$
\begin{aligned}
& \text { I did not think that even the In- } \\
& \text { tendant of New France was bold } \\
& \text { Nate }
\end{aligned}
$$ enough to maki love to Angelique des Meloises while he kept a wife or mistress in stately seclusion at Bea Bigot cursed the shrewishness and

innate jealousy of the sex which innate jealousy of the sex which
would not content itself with just so nuch of a man's favor as he chose to bestow, but must ever want to rule single and alone. "Every woman is a despot," thought he, "and
has no mercy upon pretenders to her throne."

$$
\begin{aligned}
& \text { "That lady," replied he, "is } \\
& \text { neither wife nor mistress, Mademoi- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { neither wife nor mistress, Mademol- } \\
& \text { selle ; she sought the shelter of my }
\end{aligned}
$$

$$
\begin{aligned}
& \text { selle; ; she sought the shelter of my } \\
& \text { roof with a claim upon the hospital. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ity of Beaumanoir," " } \\
& \text { No doubt "-Angelique's nostril }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "No doubt "- Angelique's nostril } \\
& \text { quivered with a fine disdain-" the } \\
& \text { hocnitality of Beaumanoir is as }
\end{aligned}
$$

$$
\begin{aligned}
& \text { quivered with a fine disdain-" the } \\
& \text { hospitality of Beaumanoir is as } \\
& \text { broad and comprehensive as its mas- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { hospitality of Beaumanoir is as } \\
& \text { broad and comprehensive as its mas- } \\
& \text { ter's admiration for our sex !" said }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ter's admiration for our sex !" said } \\
& \text { she. } \\
& \text { Bigot was not angry. He gave a } \\
& \text { "/ you women are mer }
\end{aligned}
$$

$$
\begin{aligned}
& \text { loud laugh. "You women are mer- } \\
& \text { ciless upon each other, Mademoi- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { selle !, said he. } \\
& \text { I. Me are more merciless to wo } \\
& \text { mol }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "Men are more merciless to wo- } \\
& \text { men when they beguile us with in- } \\
& \text { cincore wrofessions." replied she, ris- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { men when they beguile us with in- } \\
& \text { sincere professions, replied she, ris- } \\
& \text { ing up in well-affected indignation. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ing up in well-affected indignation. } \\
& \text { Not so, Mademoiselle ! Bigot }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ". Not so, Mademoiselle! Migot } \\
& \text { began to feel annoyed. That lady } \\
& \text { is nothing to me," said he, without }
\end{aligned}
$$

$$
\begin{aligned}
& \text { began to feel annoyed. } \\
& \text { is nothing to me," said he, without } \\
& \text { rising as she had done. He kept }
\end{aligned}
$$

$$
\begin{aligned}
& \text { rising as she had done. He kept } \\
& \text { his seat. } \\
& \text { / But she has been ! you have } \\
& \text { lo the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { " But she has been! you have } \\
& \text { loved her at some time or other, and } \\
& \text { she is now living on the scraps and }
\end{aligned}
$$

$$
\begin{aligned}
& \text { she is now living onflection. I I am } \\
& \text { leavings of former and } \\
& \text { never deceived, Chevalier !, con- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tinued she, glancing down at him, a } \\
& \text { tild light playing under her long } \\
& \text { wild }
\end{aligned}
$$

$$
\begin{aligned}
& \text { wild light playing under her long } \\
& \text { eyelashes like the illumined under- } \\
& \text { lide of a thunder-cloud. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { edge of a thunder-cloud. } \\
& \text { " But how in St. Picot's name did }
\end{aligned}
$$

$$
\begin{aligned}
& \text { vou arrive at all this knoweage, } \\
& \text { Mademoiselle !, Bigot began to see } \\
& \text { that there was nothing for it but to }
\end{aligned}
$$

$$
\begin{aligned}
& \text { that there was nothing for it but to } \\
& \text { comply with every caprice of this in- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { omply with every caprice of this n- } \\
& \text { comprehensible girl, if he would carry }
\end{aligned}
$$

$$
\begin{aligned}
& \text { his point. } \\
& \text { '/ Oh, nothing is easier than for a } \\
& \text { and }
\end{aligned}
$$

$$
\begin{aligned}
& \text { woman to divine the truth in such } \\
& \text { matters, Chevalier," said she. "It }
\end{aligned}
$$

$$
\begin{aligned}
& \text { matters, Chevalier, said she. sex to } \\
& \text { is a sixth sense given to our sex } \\
& \text { protect our weakness; no man can }
\end{aligned}
$$

$$
\begin{aligned}
& \text { is a } \\
& \text { protect our weakness; no man can } \\
& \text { make love to two women, but each }
\end{aligned}
$$

$$
\begin{aligned}
& \text { make love to two women, but each } \\
& \text { of them knows instinctively to to her }
\end{aligned}
$$

$$
\begin{aligned}
& \text { of them knows instinctiver } \\
& \text { finger-tips that he is doing it }
\end{aligned}
$$

$$
\begin{aligned}
& \text { finger-tips that he is ioing it. } \text { doutiful } \\
& \text { Surely woman is a beaut } \\
& \text { book written in golden letters, but }
\end{aligned}
$$

$$
\begin{aligned}
& \text { book written in golden letters, but } \\
& \text { in a tongue as hard to understand }
\end{aligned}
$$

$$
\begin{aligned}
& \text { in a tongue as hard to und Bigut } \\
& \text { as hieroglyphics of Fgypt." Bigot }
\end{aligned}
$$

$$
\begin{aligned}
& \text { as hieroglyphics } \\
& \text { was quite puzzed how to proceed } \\
& \text { with this incomprehensible girl. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { with this incomprehensible girl. } \\
& \text { " Thanks for, the comparison, Che } \\
& \text { "olior ", renlied she with a laugh. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { valier," replied she, with a laugh. } \\
& \text { "It would not do for men to scruti- } \\
& \text { ' }
\end{aligned}
$$

$$
\begin{aligned}
& \text { It would not } \\
& \text { nize us too closely, yet one woman } \\
& \text { reads another easily as a hornbook }
\end{aligned}
$$

$$
\begin{aligned}
& \text { reads another easily as a hornbook } \\
& \text { of Troyes, which they say is so easy } \\
& \text { onat }
\end{aligned}
$$

$$
\begin{aligned}
& \text { of Troyes, which they sa it without } \\
& \text { that the children read } \\
& \text { learning," }
\end{aligned}
$$

$$
\begin{aligned}
& \text { learning," } \\
& \text { To boldly set at defiance a man }
\end{aligned}
$$

$$
\begin{aligned}
& \text { To bold set at boasted a long career of } \\
& \text { who had boase } \\
& \text { success. was the way to rouse his }
\end{aligned}
$$

$$
\begin{aligned}
& \text { success, was the way to rouse oure } \\
& \text { pride, and determine him to over- } \\
& \text { come her resistance. Angelique was }
\end{aligned}
$$

$$
\begin{aligned}
& \text { pride, and determe } \\
& \text { rome her resistance. Angelique was } \\
& \text { not mistaken. Jigot saw her reso- }
\end{aligned}
$$ not mistaken. Bigot saw her reso-

lution, and, although it was with a mental reservation to deceive her
he promised to banish Caroline from .. It was always my rood fortune to was always my good fortune
to be conquered in every passage of
隹 arms with your sex, Angelique, saive.
he, at once radiant and submissive. She complied without hesitation, and sat down by him, gave him her
hand again, and replied with an arch hand again, and replied with an ard
smile, while a thousand inimitable
and oquetries plased about her eyes and
ips, " You speak now like an amant

## TreePruners



JOHM WATSON MFG. CO.
AYR, ONTARIO.
Cowan's
Cake Icings If you had trouble with prepared Cake Ioing, it was not Cowan's.
Even a child can ice a cake perfectly, in three minutes, with Cowan's loing. Eight delicious
flavors. Sold every where.
The Cowan Co. Limited. Toronto. 89 A young man had been calling now
hem on a young lady, when one night. he sat in the parlor waiting for her
come down, her mother entered the ro iome
istead and asked him in a very gra
stern way what his intentions were. tern way what his intentions were.
Ule turned very red and was abon talumer some incoherent reply when sud-
tenly the young lady called down from
the head of the stairs : he head of the stairs:

You needn't be afraid. One day a lady who had been reared in the careful fuxury of the ol- fash ioned Eitchon of a great metropolitan the kitchen of a greal metropoitan afraid. When asked why she replied "I'm afraid I'll see something that will forever destroy my appetite for hotel food" She went, and found every thing delightfully clean. Geood housewives consider cleani Quaker Oats is their choice among all oatmeals. In making Quaker Oats the
grain is sifted and resifted, passing grain is sifted and resited, cleaning before it is cooked and rolled If you took a handful of oats and scrubbed and polished and wiped each separate grain, it wouldn't then be human hand ever touches a single grain of Quaker Oats from the field foods you could have is: Eat Quaker Uats every morning for breakfast. You'll find Quaker Oats put up in the large, family size for those who are not convenient to the store. The large package contains a piece of Oats is one of Canada's greatest prod-


## Cream Separators <br> Certainly Study Them All, and Then Come

 Back to the MAGNETof the Cream Separator well before deciciding It shows be is a thatror well before deceiding and capable of appreciating merits when he To such a man the MAGNET makes strong appeal. The light of honest comparison disdiffers, and is better than others

The heavy solid frame of the MAGNET.
Strong square gear (not light worm)
Large steel bowl "with double support
MAGNET patent).
Strong one-piece skimmer
MAGNET Brake circles the bowl (MAC
Heavy spouts and tank
All parts covered, no friction, easy to turn being so constructed and balanced that every part runs in perfect harmony
with the whole. Will not wear out in fify rears. Pretty bio claim, but true.

THE PETRIE MANUFACTURING CO., LIMITED
Hamilton, Ontario, Canada.
Branches
winnipes Man. St. John, N. B.: Resima, sask.; Vancouver, B. C. Calsary, Alta.
the only way we can do business Groceries or Harness



The Clement Brown Trading Co., Toronto.
PURE-MILK PRFCAUTIONS.
"Have you thrown the cow into the Have you thro
antiseptic tank?"
"Yes,"

${ }_{8273}$ Child's Romper or Coverall,
2 to 8 years.

Hareo you manaded the can with our "I have.
"Have
"Have you plunged into the germ-de
stroying bath yourself ?" stroying bath
"Certainly.
". All ripht. "All right. Go ahead now and take
the cow into the air-tight glass cage, bui keep on the lookout that no stray bac
teria get into the milk."-Bohemian.

## LAY FOR WEEKS

at Death's door
But Dodd's Kidney Pills Cured Mrs. Thompson's Dropsy.

It started with Backache and grew worse tilli
must die.


GOSSIP The famous trotting, mare, Sunol, eneral Benton, died May 4th, aged 28
en
ens. ears. It is likely that her history will er produce is living.

In the case of horses, it pays to not
aly grow the colt to maturity, and keep y grow the colt to maturity, and keep
in good flesh at all times, but to sually $\$ 25$ difference between a broken and an unbroken horse. The farmer who
grows the horse ought to be the best man to break it to work, for he knows all of its personal traits. He ought to be able
break it at less cost than the man ho buys it without knowing its charateristics. A young horse in good,
round flesh, or fat, and well broken to work, is a finished animal. Such are as
salable as four alable as flour or sugar, and always
healithy society. The report of the treasurer of the
American Jersey Cattle Club, submitted At the annual meeting held in Nubm York
at
May 5th, makes a very healthy howing, the receipts for the past year the expenditures $\$ 41,954$, and the balance
on hand March 318t, 1909, was $\$ 14,789$. While the assets of the club are given as
$\$ 100,431$, and its liabilities $\$ 81,185$, the et credit to the club fund being $\$ 91,969$
net net credit to the club fund being \$91,989,
and the net gain March 81 st, $\$ 10,784$.
The pedigree entry fees for the year amounted to $\$ 35,069$, for 15,107 animals
recorded. These figures indicate a con-
siderable volume of business, and a growsiderable volume of business, and a
ing popularity of the butter breed.
algety bros.' clydfisdale sale The date fixed for the auction sale of
Dalgety Bros.' new importation of Clydesale mares and fillies is May 25 th, which
renders available single-fare railway tickenders available single-fare railway tick-
ets for hose starting on the 24th. The
sale will commence at 1, m. sale will commence at 1 p. m., at the
Fraser House, I.ondon, Ont. This im-
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$




QUESTIONS AND ANSWERS
Veterinary
PYEMIA．
Three－year－old mare took sick at night． Next morning her mouth was swoilen her mouth，her jaws were also swollen
one worse than the other．A foul one worse than the other．A foul－
smelling，greenish matter escaped from her nostrils．She died about 4 o＇clock Is it contagious？
Ans．－She died from acute pyemia（a form of blood poisoning）．In such acut
cases，treatment is of no avail． caused by the entrance into the blood oi
some septic matter．In some cases some septic matter wound or sore is present，while in other it is not possible to say how the bloo tagious．In mild cases，the administra－ tion of antiseptics as carbolic acid in 30 － drop doses，or $\begin{gathered}\text { or } \\ \text { doses，three } \\ \text { or } \\ \text { four times daite in } \\ \text { dily，will }\end{gathered}$ doses，three or four times daily，will
effect a cure，but in acute cases the effect
patient
hours．

## Miscellaneous

COW SUCKING HERSELF What is a cure or a cove that suc

 Siome time ago，one of out our reateres wrout The contrance we west to prevent




部虽思

## NEW IMP <br> Clydesdale Mares

BY AUCTION
Messrs．Dalgety Bros．will sell at the FRASER HOUSE，LONDNN，ONT，
about the THIRD WEEK IN MAY，a number of newly imported Clydesdale about he fullie
mares and flies
exact date will be announced later．
DALGETY BROS．
GLENCOE，ONT．
 $\qquad$ mported
nellan．
niration
sires an
cost，and $\qquad$




 Clydesdales and Hackneys thos．l．mercer，markidle，ont．P．o．and sta．


 IMPORTED CLYDESDALES
 IMPORTED CLYDESDALES $\qquad$


Clydesdale．Hackney or French Coach Stallion
write me．I have generally something choice on hand．
HENRY M．DOUGLAS．STAYNER，ONTARIO，LATE OF MEAFORI


TROUBLE IN HATCHING GOS－ We keep geese every year and do not often have very good luck with them．because when they are hatched out they are very
weak and delicate．It is also very hard weak and delicate．It is also very hard
for them to get out of the shell．What
advice could you give？W．W． Ans．－If the breeding stock are in good
condition，there should be no troubleal hatching goslings．The most frouble in hatching goslings．The most frequent
cause of weakling offspring is the over－ fed condition of the parent stock．The
tendency is to feed too much grain geese during their term of winter life．
possible，the breeding stock should possible，the breeding stock should have
as much green stuff as possible if in con－
linement．${ }^{\text {Perhaps circumstances }}$ permit of the breeding stock haves will
where they can have grass．old stock
or are preferable as breeders．If egs．if in in－
tended to be used for hatchin in cold weather，care should be taken that are not chilled，as they they are apt that
In certain cases it is necesal The goslings out of the shell．In
his case，it is likely the newly－hatched
irds were weak，owing to the parent．
$\qquad$

## TRADE TOPICS

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

HORSE OWNERS! USE


Ormsby Grange Stock Farm, ORMSTOWN, P. Q.
oumcan meeachran F.R.C.v. s.d. .v.s.. Importer and brodeder of CLYDESDALES.
 Shetland, Welsh and Iceland Ponies
 R. DYMENT, Copetown P.O. and Sta. w. R. Stubbs, a leading Republican of Kansas, took his little son to wasing
on recently, and visited the Senate galtory with him. Rev. Edward Everott
Hale, especilly interested the boy. Mr. stubbs explained that
haplain of the Senate. "oh, he prays ad. "No." replied Stubbs; "he gett up and and
takes a look at the Senate, and then


Fence Friends





The Fence That Saves Expense





 The Banwell Hoxle Wire Fence Coo Lutho,

THE FARMER'S


This cut shows how stumps are re
Spring Clearing STUMPING POWDER

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## 2nd Annual Shorthorn Sale

ON WEDNESDAY, JUNE 2nd, 1909,

ing notice, and rented to another man
Wo moved in the same day first m

p? He has bought a place also near at
3. He
land, and says he intends moving probhand, and says
ably the last of May. Can I collect
damages for the wear and tear of house
through so much moving, having just through so thating house completely in
finished renoval
the fall?
whom can hold responsible, the
$\qquad$
$\qquad$
$\qquad$






empting prices.
J. A. watt, salem, ont. elora station, g. T. r. and C. P. R. Bell telephone SUBSCRIBE FOR "THE FARMER'S ADVOCATE AND HOME MAGAZINE."


Shoe Boils, Capped
Hock, Bursitis
Hock
are hard to cure, yot
ABSORBINE
ABSNE
ANCHYLOS
Bone Spavin and Ringbone. Read the following testimonial from a satisfied user:

 satisisied the skeptical that at at ast a a cure was to be
had at a moderate price, which is not only sure, but
After


 Anchylos is $\$ 1.00$ by
his paper:
J. A. McLarty, Thessalon, Ont. Manufacturlng Chemist. THE "MAPLES" HEREFORDS


Canada': Greatent Show Herd.
For Sale 25 bulls from 6 to 18
months of age, bred trom imported and show stock; also abourted
same number of heifers,
none
W. h. HUNTE

Oranseville P.O. and sta.
The Sunny Side Herefords. Tribhear that has that beat of bexeding send ion
 M. H. O'Nell, Southgate, Ont. HOMESTEAD ABERDEEN-ANGUS


Aberdeen-Angus Cattle For Sale: Cows, Hedifres, Bulls.
 Aberdeen- Fon akdit iht ith ooth
 GLENGORE Present offering: Two choice bulls
 At Dominion Exhibitions, Halifax, Nowa
 Also Single and mals JAMES BOWMAN, EIM Park. Guelph. HAVE YOU SECURED ONE OF "THE FARMER'S ADVOCATE " KNIVES

GOSSIP
 mark that he "knew nothing that im-
proved stock in Kentucky like crossing
it with a locomotive." Fred Abbott, of Fairview Stock Farm,
Harrietsville, Ont., reports a great de
mand and sale of Holsteins. Among mand and sale of Holsteins. $\begin{array}{r}\text { Among }\end{array}$
the recent sales are bulls to Ed. Mc
Leod, of oliver: W. W. Day, of Thames Yord: John Bell, of Dorchester Station;
Silas W. Hyatt, of Mt. Brydges G. H.
Yocom, of Selkirk; John F. Miller, of Ridgemount: Herbert. Richard, Dorche
ter Station, P. H. Richard, Cramp
tom, and W. Monro. ton, and W. Monro, of Thorold. All
were well pleased with their animals;
the last named particularly so. He wrote, thanking Mr. Abbott for th
honest representation of the animal, no
having seen him till he was delivered, having seen him till he was delivered
and stating that he was all and mor
than he was represented to be. Mr Abbott has still a few choice bull calve
for sale, some very closely related to the
great cow, Boutsje Q. Pietertje De Kol James Douglas, of Caledonia, Ont, is
changing the wording of his advertise changing the wording of his advertis
ment for next issue, writes I I wish t
draw attention to a tonch of extr
choice 2-year-old Shorthorn heifers that draile 2 -eyear-old Shorthorn heifers that
choom oflering at present, at very 1o
prany
prices, us 1 have too many to carry They are all bred, and with call, Imple
grand Duthiebred bull. Imp. Joy
Morning ; are a speciall goo lot,
Gine losh have lots of size, and, beit Morning; are a specially good lot, in
fine flesh, have lots of size, and, being
in calf to such a grand bull, should be worth looking after. They are fron
good families, some from imported cow
I also have some choice young cows bred to same sire, to offer, very cheap
They are in fine flesh, also, and it is
surely a surely a very favorable time to buy-
ust the beginining of the cheap feeding
perio. And two head may be taken in nostly all of these heifers are due
alve in the early fall. A call from in

TRADE TOPICS.
RIDING BREECHES. - Serviceable
trousers or riding breeches are oflered in this issue by Bedford Riding Breeche
Co.. of London, England.
R'atterns an
easy self-measuring forms. can be ha The Farmer's Advocate," London
Ont Specials are offered at 10 shillings
pence a pair. This is a very low pence a pair. This is a very low
vico, considering that nbsolute satisfac-


7 Imported Scotch Shorthorn Bulls 7



Shorthorns and Shropshires Scotch Shorthorns!

 H. L. STEAD, Wilton Grove, Ont. ondon, G. T. R., 6 miles . Westminster. P. M. R., JOHN MILLER, Brousham, Ontarlo
 some show propositions in both male and fbmale SHORTHORNS
 John clancr.
Manager. H. Cargill \& Son, Cargill, Ont.

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and lincoln sheep.

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 OITiON. We can sell some extra well bred cows and heiters (bred or with calles at foot) at prie
Ohich which hould interest intending purchasers. Our tarms are quite close to Burlingto Jontario.
Long-distance telephone. W. G. Pettit \& Sons, Freeman, Ontal

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draft and two spring colts. draft and two spring colts.
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WHY NOT BUY A HIGH-CLASS SCOTCH SHORTHORN COW
Or a Helfer, Or a Bull, Or a Few Shropshire Ewes, Or a Few Cotswold I can offer you something in any of them that will make a start second to none SPRING VALLEY SHORTHORNS Greengill Shorthorns!
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was weak And Thin

## OULY WEIGHED 78 POUNDSS.

NOW WEICHS 113 POUNDS.
Had Heart Trouble and Shortnese of Breath for Six Years.
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Herd established 1855; flock. 1848 .
Am offering a special good lot of young females. bred to the
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Also young bulls and Leicester Morning $=32070=$ Areat Alsoung bulls and Leicester
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quality and breeding, and from best milk-
Leicesters of frrst quality for sale. Can A. W. SMITH, Maple Lodge PP.O., Ontario.

## SHORTHORNS

- 

 plymouth Rock egss for hatching.

JOHN RAGEY, Lennoxville. Que. Scotch Shorthorns | T welve choice red |
| :---: |
| bull |
| , |
| , to to |

 McFariane \&. Ford, Bex 41. Dutton. Ont.




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TUESDAY, MAY 25, '09, FAIR GROUNDS, BROCKVILLE, ONT
 No reserve or by-bidding allowed. All must go. Greates
of A. R. O. breed cattle ever offered by public sale in Canada. Six cows with records over 20 pounds butter each. A daughter and g. daughter of Paul Beets De Kol (world's greatest sire), as well as sister to Francy 3rd, winner of test, Ottawa, 1908-1909. A son King Segis. Also many heifers and cows
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Catalogues now ready.
Sale will be held under cover
TERMS OF SALE, -Cash, or five months' time bankable paper TERMS OF SALE.-
Don't miss it. Your best chance to secure good blood
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The Maples Helstein Herd!
record-op-merit cows.
Hoaded by Lord Wayne Mechthilde Calamity.
Nothing gor zale at present but thoce bull calvos.
from Record of Merit dams ; also few outhn for bale at present but choice buil calves
rom Record Me erit dams ;also a few good cows
t reasonable prices.


## HOLSTEINS time to buy good catte at bargain pricoesi The The look the herd over. If you cannot, we will do our

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Hreeds represented. Putan station, near Ingerrooll.
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 P $\quad \mathbf{D}_{\mathbf{D}}$ EDE, Oxford Centre P. Po., Woodstork
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THE FARMER'S ADVOCATE


Fontail Fife :


Me DRILLING \& PRospective machiney


QUESTIONS AND ANSWERS Miscellaneous.

UNPRODUCTIVE PLUM TREE We would like to ask, through "The
Farmer's Adiocate." what would be a fuccessful treatment to prevent the fallsocess of the blossoms from a Burbank
ing
plum tree. it has blossomed very heavpum tree. It has blossomed very heav-
dy for 5 or 6 years, and never held more than 6 or 7 plums. It is in a sheltered spot. The tips of the young
growth very often die through summer. Ans,- Evidently, there is someth. . M
lacking in the vitality of your racking in the vitality of your Burbank
plum, that it should drop all its blos-
ath plum, that sut stiong fruit. This may be
som without
due eitine to some inherent weakness in in
the tree, or possibly to winter injury to the tree, or possibly to winter injury
fruit buds.
From the
fact that yo mention that the tips of the young
shoots die back during the summer, would jurge that the tree would be un
thrifty, in which case, I would dig it out thrify. in which case. I would dig it out
and plant another, or make sure that the
conditions surrounding it were all tavor-



 | $\substack{\text { shaw, } \\ \text { Claude. }}$ |
| :--- |

PEACH-LEAF CURL AND OTHER



Pine Ridge Jerseys For fale: (Earl Deer
 youns fows and dioiers due to canv

## Brampton Jerseys

B. H. BULL \& SON

BRAMPTON, ONT

|  | Pine Ridge Jerseys tor head of the Females, all ages Yearling bull and o a bull <br>  Pine Ridece Farm $\qquad$ |
| :---: | :---: |
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| AYRSHIRES AND YORKSHIRES! Kindly send in your orders at once for imported stock. We can cable orders andhave them shipped in May. Calves from imp. dams or from home-bred Record ofMerit dams. ALEX. HUME \& CO., MENIE, ONTARIO. hoard's station, G. T. R. |  |
| Ayrshire Cattle - Imported or Canadian bred, faction guaranteed. For particulatis. wimese: satis. Trout Run Stuck F. THORN. Lynedoch, Ont. ek Farm. | CHERRY BANK AYRSHIRES. <br>  |
|  <br> berd. Write your wants. Visitors always welcome. <br> Robt.Hunter \& Sons, Maxvile, Ont. |  |
| AYRSHIIRES $\begin{aligned} & \text { Bull and beifer calves from pro- } \\ & \text { ducing dame: Rikht food onem. }\end{aligned}$ <br>  |  |
| SOUTHDOWNS <br> AND COLLIES. ROBT. McEWEN, Byron, Ont. Ry. Stn., London, Oat. |  |
| American Shropshire Registry Association. <br> HENRY L. WARDWELL, PRESIDENT Largest membership of any live-stock organization in the world. Vol. 21 of the Record published. Write for rules <br> Mortimer Levering. Seg., LaFayette, Indiana |  |
| Fairview Shropshires |  |

MAY 20,1909
CURE FOR
DYSPEPSIA
An in woll known, this troublesome comNint arivos from over-eating, the use of thet of exeroise, bad air, etc. Tbi povor bolted or awallowed in hasto, atimalants must be avoided and exercie then if possible. A romody which has rarely failed to give
prompt reliof and effect pormanent curse


BLOOD
BITTERS
It eote by regulating and toning the di pootive organs, removing costiveness and and Vigor to the system. ${ }^{\text {and }}$ River, N.B. writes:-"I was greatly troubled with alyepopesie, and after trying several dootoria Blood Bitters and I think it is the bool Bodioine therr is for that complaint."
Tor Salo at all Duggista and Doalorn.
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The seond annual surplus- stock sale
rome the noted Valley Home herd of $S$ S

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Take This Belt for What It Is Wonth. Wear it Until You Are Cured-Then Pay Me My Price.
 fan it into a flame which will encompass the whole structure and charge every
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Dear Sir,-I am pleased to be able to report to you that the Belt I purchased from you last December has
done me a world of good. It has taken the pain completely out of my ack the pain completely out of my I havent. I feel liko a new man without feeling it at all. Yours very $\begin{aligned} & \text { would not he without it for an } \\ & \text { money. - DAVID CRAWFORD, }\end{aligned}$ Wherever you are, I think I can give you the name of a man in your
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| :---: |
|  |  |

you realize it is outt-oldate to write your ad yetising in the first person singalar? People don't sign their
tatenant it makes-thet you can liold me personally answerable for ever
sam it makes-and my business an clain it makes-and my business and own ads, aity more, Th the ayy an thing, I thithk, without concelt That is wliat my adver tising means Wraybe they are right-they ought to
know But I think I shall go ou signing my ads, just as long as I sign my lettare von see, Itconsider this soinal wemet ge to you ant whinabe
if wrote it to vou in lether if I wote it to you in e letter,
expect you to believe whe it says expect you to believe whet it says
So I sigu it with my own name wourd Tho that ise it eald anything utit the eract trumh ? fol thet I would lik you to krow that 1 mean every word in thits adfertisement to me, and what my signatare meas to yon. That is why I sign my ads
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Becanse Oshawe Steel Shingles (Guaranteed) alone have the Pedlar (Gur-way lock which makes these Shingles the-easiest and simplest roo to lay (no tools but-a hammer and a tinner's shears), and yet makes one seamless, unbroken sheet of heary steel, that is really wet-proof and that is also WIND-proof. Such a roof keeps a building cooler in summer warmer in winter, and dry always.

Because Oshawa Steel Shingles (Guaranteed) actually cost less than five cents = jear per squere-100 square feet-or about a tenth the cost of common wood shingles, yet an Of common wood shingles, yet an well as wet- and wind-proof ; also, it well as wet-and wind-prooo aiso, it these steel shiagles keep a building sater again
rods will.
Because Oshawa Steel Shingles (Guaranteed) relieve your mind and your pocketbook of ALL roof worries there are-and stil cost little, enough
to be an economy for roofing any permanent structure, from a great factory to a henhouse. They cover millions of dollars' worth of property all over Canada, and cove
wouldn't be there.

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whole roofing question plain before yoll Whole roofing question plain belore you
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Steel Shingles. (Guaranteed) will pas Steel Shingles (Guaranteed) will pay
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many people. More than 2000 de many people. More than 2000 de
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ESTABLISHED 1861.

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[^0]:    WALKERVILIE TORONTO MONTREAL

    ST. JOHN ${ }_{8}$

