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VoL. XLVIII.
LONDON, ONTARIO, APRIL 24, 1913.
No 1074

## High Quality Builds Big Telephone Business

THIS business was organized to manufacture telephone equipment for independent local and municipal systems. Right from the start our equipment made records for efficiency. It did not take long for our goods to acquire a reputation for quality and reliability As a result, our business has grown by leaps and bounds.

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these systems well, as on their success depends the growth of our business.

If you would like a list of the large independent telephone systems built in Ontario during the last twelve moñths, just drop us a line. We would be glad to send you a list of the systems, with the make of the telephones they are using. In fact, if you'll name over the large independent systems built during the last year in Western, Northern and Eastern Ontario you'll find that nine out of every ten are using our telephones and equipment.

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## Th Farmer's Advocate

Vot XLVIII

EDITORIAL.
Again we say, test the seed corn.
Patches of bright new shingles on old roofs re a conspicuous feature of the rural landscape this year.

If there is not heavy damage by white grubs in many parts of Ontario this year, a great many close observers will be agreeably surprised

Even spring fever cannot counteract the buoyancy of the present season, when all vegetation is supspringing and nearly 'all animal kind is bringing forth its young.

A little careful ditching to let off surface water may make a difference of two or three days the seeding of a field and thirty or fort bushels in the yield.
"The Farmer's Advocate" has been the 'firs important publication in Canada to press a vital discussion of the Canadian lanking system and the need for bank inspection. Back us up

There is poetry in all life. Many feel it who cannot put it in words. The most passionate poems are probably not yet written; they have only been experienced. You' may be a poe though you have never penned a verse
Strive as we may, our efforts will often be countered by conditions over which we have no ountral. The odds are enough at the best. Al more reason for leaving no stone unturned oo precautions neglected

Have you written your member yet to urge a ank commission and the need of efficient bank inspection? Do not let seeding interfere with this pressing duty. Write at once, if only a post card. Let him know your stand.

There are those who hold that the function of an agricultural journal should be wholly directed along producing lines, but those who comprehend the farmer's real problems know that the greatest ones are commercial and economic.

A serious state of affairs has come to pass in Canada if vegetable-growers who wish to 'save money by co-operating in the purchase of seeds, nay not do so without having obstacles thrown n their way by middlemen anxious to monopolize their trade.

In considering public questions, yery much de pends upon the point of view. For instance, hose who regard the banking business from the tandpoint of banking profits will see it at ataly different angle those who regard as a public-service institution.

By his couragous, candid, patient and welleasoned advocacy of external bank inspection. Mr. Mcleod has placed the people of Canada under a heavy debt of gratitude. This is case points to a still more thorough-going measure than Mr. McLeod himself has proposed.

LONDON, ONTARIO, APRIL 24, 1913
No. 1074

## Organization.

Upon organization-the systematic union of individuals in a body whose officers, agents, and members work together for a common end-de pends the very existence of most industrial enterprise. No firm can exist without being well organized ; no scheme of any magnitude succeeds without an effective organization behind it, the liggest commercial enterprise in the land has organization at its foundation if it succeeds Organization is co-operation. If it is good for other business why is it not good for agriculture? If it is essential to the greatest success in other enterprise, why is it not essential to greatest success in farming? The business of farming, as-carried on in this country, is the least efficiently organized of all our many industries. It is scarcely systematized at all, and yet many 'have made a good success of it. Those who have been most successful have tion with sym and organization out in connecing of Canada's agriculture as à whole little union of individuals has been practiced.

Would organization be profitable? We have only to go back to last autumn, when a heavy crop of apples was marketed, to prove that it is profitable. Growers who have banded themselves together into associations and who are entitled to membership in these associations by virtue of the fact that they are caring for their orchardspruning, spraying, cultivating, and packing nothing but the best of each grade of fruit-had little difficulty in disposing of their apples at very proftable prices-two to throe dollars per barrel-while individual growers who also put up a Number-One pack had great difficulty, in many cases, in selling their apples at all, and when they did find a market the price obtained was more often from one dollar to one dollar and a half per barrel. This is only one of many instances of what organization means to the fruitgrower. It is effective in buying spraying and other necessary materials, and is a great lift in marketing.

Most farmers can produce quite satisfactorily, but few can market slingle-handed to advantage. No better demonstration of this can be noted than the method usualy adoptod in the doposition of farm produce-dairy butter and eggs. The producer takes ther trading them out; he in turn disposes of thena $t o$ the huckster who drivs around and eolects them; the huckster sells them to the Wholesaier who turns them over to the retailer, and from the latter the consumer luav on therely a lack of marketing organization on the part of the producer ! Egg-circles are beginning to solve this problem in some districts, If farmers are to type as they should, the frulits of their labors, they must organize

Farmers' clubs, fruit-growers' and vegetablegrowers' organizations can do much in the way of purchasing supplies of seeds, fertilizers, etc. tions with which the agriculturist has to copeconditions which very materially affect the net returns from his season's operations-is outlined in a letter from a prominent vegetable-grower in this issue. The man who works the land is "held up" both in purchasing supplies and marketing his crops, if he lets other people have the entire management of these two important
ends of his business. Profits depend largely upon good supplies bought at reasonable prices, and good produce marketed at reasonable prices as nearly as possible direct to the consumer. Profits ranging around 300 per cent. and up to 650 per cent., which our correspondent shows in another column, to be the difierence in the purchase price of some vegetable seeds in Europe and the, sale price to the gardener in this country, are large enough to set people thinking. They are worth saving to the sower. Vegetablegrowers have organized and are planning to mak this saving. So far they have been successful, notwithstanding the fact that pressure has been brought to bear upon certain European seed growing firms to sell to growers only through
seed firms in this country, Not satisfied with a large margin betwen buying and selling pitce large margin between buying and selling price of seedsmen desire to person's money should be as good as anotho person's money should be as good as another and any attempt to force trade into narro curtail that sreedom of purchasing and selling which all should enjoy, should be resisted and condemned. Organization is according to those interested in the vegetable growers' essociation sure to save thousands of dollars to the grower each season. The producer of the seed in Furope gets just as much, and the grower in Canade gets just as good and possibly better seed, it is clafimed, by dealing direct. Organization helpa the producer to control three-thirds of his bunt ness, viz., buying necessary supplies, growing and producing the crop, and placing it upon the market, whereas, under other conditions, the only third under his control is the labor end of pro duction, the producer being a laborer for al classes of middlemen.

The one thing necessary to make organization a success is a co-operative spirit-a spirit of give and take-no jealousies, but each and everyone working for the good of the whole., The fate of many newly-planted orchards depends upon whether their owners are members of effective, active, fruit-growers' associations or not. Neglected orchards cannot survive in these daye of insect and fungous pests, and many will surely be neglected if their owners do not fall in line with the co-operative movement, and get the incentive through good prices to care for them. While fruit-growing, vegetable-growing, and the marketing of farm produce are three of the best axamples of the work which may be accomplished hy a banding together, there are several other branches of the farming business which lend hemselves readily to such a scheme

## How Constituents Can Shape Leg-

 islation.Upon our recent visit to Ottawa nothing impressed us as more hopefully significant than the effect of personal messages addressed by constituents to their members of parliament. Your memiter at Ottawa does not hear the cornergrocery talk or the opinion upon public questiong expressed in your home, and perhaps nothing is more difficult than for him to keep closely in touch with the views of the people back home. But pach letter he receives makes an impression, because he knows that for every person who taker the trouble to write, ten people think the same "The Farmer's Adypocate' ") remarked Atrchie Mc-

The Farmer's Advocate
AND HOME MAGAZINE
THE LEADING AGRICULTURAL JOURNAI INT THE DOMTNION.
PUBLISERD WERKLY BY
THE WILLIAM WELD COMPANY (LIMITRD). JOHN WELD, MANAORR

Agents for "The Farmer' Advocate and Home Journal,"
the farmer's advocats and home magazine










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 Address-TEE FARMER'S ADVOCATE, or
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Coig with a twinkle as he strode along the corridor to the Parlimentary Post Office carryingr ai big bundle of long, fat envelopes containing replies to his constituents. Mr. McCoig is the member who pressed the case for duty-free ditching machines, and by-the-way, it is generally expected that the ainister of Finance will deal with this item to the satisfaction of rural interests.
Still more gratifying was the effect of the flood of letters relative to Bank Act revision that poured in upon members of rural constituencies very largely as a result of Mr. McArthur's articles in "The Farmer's Advocate." The pressure of public opinion thus generated is undoubtedly re-
sponsible more than any other influence for the sponsible mere than any other influence for the
fact that the fiouse of Commons Banking Committee is now hearing views from the representa tives of the people as well as the financial interest.s. But this latter battle is not yet won ; it is only begun; and unless the force of public opmion is renewed and increased it will bear no
legislative fruit oi any account. Some of the most expert corporation counsel in Canada are down at Ottawa, retained by the bauks to watch this thing through and they have their minions on the floor of the House, although most of the members of
the Barking Committee seem at present friendly to the public cause. But many ingenious arguments and subtle appeals will be made to bias
their judgment and some of them will need stiftheir judgment and some of them will need stif-
fening from their constituents, while those who espouse the public cause unflinchingly will be heartened and helped by knowledge of the endorse-
ment behind them. As yet the banking question ment behind them. As yet the banking question
is not a politicul issue. We hope it may not mittee has firished its hearings and reported to the House, after which the caucuses may line their members up into opposing camps. Between
now and ther is the time to mold parliamentary opinion and shape public policy. You 1uay ef-
fectually help to govern this country in a practical, tangible way by writing your member right nank inspection to secure depositors and shareholders, redress abuses
fluence. Write to-day.

## Nature's Diary

## By A. B. Klugh, M. A.

There is a little bird which is very common just now at the edges of the woods and thickets and about out-buildings, a lítlle bird with the head, neck, breast and back slate-colored, and It has a whitish-colored bill, and when it flies the white outer tail feathers, in an otherwise gray tail, are very conspicuous. It is the slatecolored junco-a member of the sparrow family
Some birds we can describe as beautiful, 'some as gay, but neat is the adjective which most aptly fits the junco.
The junco is an abundant species in Ontario during the spring and fall migrations. It is a is a common summer resident in the North. few remain in Southern' Ontario throughout the winter.
is a pleasant trill very much like that of the chipping sparrow, but pitched a trifle lower. winter, and is known as the "snowhird"-a name appropriated in Canada by the snowflake
In the summer the food of the junco consists the latter being largely seeds of weeds and wild plants, and such wild fruits as blueberries, black-


## Slate-colored Junco

berries, strawberries, and elderberries. In the The junco breeds in the woods, building it nest of strips of bark, grass and rootlets, lined with 1 hair, on the ground. The eggs are from four to five in number, and are greenish-white,
spotted and blotched with reddish-brown. ) spoung birds show their relationship 1 The sparrows by having striped breasts, and hence resemble the parents but little.
" A soft note sounds upon the spring air-"phoe-be-phree-u-wee-phoe-be"! It is our old most familiar bird is the phoebe, a bird which has adapted itself to the conditions of civilization. Originally the phoebe nested along cliffs wilder rocks overhanging streams, and in the wilder parts of the country such is' still their
nesting-site. Along the huge limestone clifis which fringe Georgian Bay along the Bruce Peninsula, phoebes nest in abundance, and one may pass ten or a dozen pairs in a mile's walk along ly settled regions the But throughout the thickbridge, or a ledge over the door of an out-build ing is a good substitute for ledges of rock. And an ideal bird-neighbor it makes, as while it
destroys numbers of injurious insects it does not destroys numbers of injurious insects it does not
touch a single agricultural product. The phoelbe builds its nest of vegetable matter mixed with mud, and lined with fine grass and year, until it becomes often quite a tall structure Cine nest which was, built in a box, was added to
until there was barely room for squeeze in' between the nest and the top of to box. I was wondering what the bird would do the next season, but unfortunately the female died before she had completed the second set of eggs for that season.
The marshes are
-their presiding spirit, the red-winged blackloird has returned once more. He sits on a dead cattail stem-swells himself out-and says "kong-
quee-ree." And his note is the promise of the quee-ree." And his note is the promise of the
activity of life in the marsh now not far dis-

This is the season when we can appreciate the economy of having had implements put away in
good condition in the fall. A few of our own were unavoidahly exposed for a o time last
summer, but so far as it was in the flesh and blood to accomplish it, we cared for cultivators and drill disks, were cleaned and oiled as put, away, with the result that the mold
boards of the former scouref this spring the first.
time across the field time across the field. That saves time and
horseflesh. The implements draw more casily.
and do a better iob.

Bank Commission and "the Ottawa Atmosphere.'
Editor "The Farmer's Advocate."
Your readers are much indebted for the ex cellent editorials in your issue of April 17th. dealing with our loanking system. Some of the facts mentioned are indeed startling in their significance, and give us timely warning of the dangers ahead. It strikes me that the only
solution of the problem which will meet the needs of the the problem which will meet the the appointment of an independent Bated, viz, mission, modelled somewhat after our very useful Railway Commission. The Dominion Grange and Fharmers Association was one of the bodies of the co-operated in urging for the establishment of the Railway Commission some years ago, and strated. At the last annual convention of the Dominion Grange the Bank Act came up the discussion, and a resolution was passed asking for a. Royal Commission of investigation before any further extension of bank charters be made. be even more useful than the investigating would mission which we recommended. At all events let something be done before the power of money astens its, grip upon the throat of the people, and chokes the life out of our boasted democracy. sometime, somewhere. Apropos of Peter
Ottawa. permit me to emphasize at least one of the many good things which he says. I paid a impressed with the subtle and strong influence of the "Ottawa atmosphere," particularly that of the Parliament Buildings. Our representatives have to withstand not only the influence of shrewd and powerful lobbyists, but the subtle ity and paraphernalia of government. This limpresses itself upon one silently and constantly, and it is indeed a man of unusual independence nd character who can withstand its influence. Mr. McArthur's suggestion that the people keep them, is a good one. I fear, however, that it efficacy will be|very limited. The Constitutional Optional Reterendum" is, in my judgment, is much more effective and radical means of checkother method now available by us. provision all measures, except urgency measures which must be passed by, say, a three-quarters ote of the whole house) remain infoperation for certain specific period after their formal enactment by parliament. If, during this period, government) a petition of a certain size calling or a referendum upon the act in question, then that act remains suspended until a popular votepeals it specinc act-either sanctions or rethe people who are not under the influence of the "Ottawa atmosphere", and at the same time leaves us with the advantages of our present egislation and governmental machinery. It disgraceful situation solve satisfactorily the pres


## Security from the Banks.

## ditor "The Farmer's Advocat

We note with pleasure your article in "The nfluence in Canada of April 17th on the money paper with the standing of '"The Farmer's Advo and has dared to state these facts so plainly and we sincerely hope the general public will If, as the facts stated for for the common good. tend to facts stated and other facts besides working with strength sufficient to formulate and place on the Statute Books laws in its own in erest. it is up to the people while the Banking Committee of the House of Commons is in session atives in the public some protection when the will give the -omes in force, We need some kind of outside inspection of banks that will tend to prevent uch wild speculation as has come of the recent isastrous bank failures. We should insist on a the notes without interfering with deposit.ors, money. We should also insist on a fund being laid aside for the protection of depositors. Banks have great privileges accorded to them reasonable to justly so, but is it asking anything un money entrusted to them? Thev like socurity Should they not indual when loaning him cash hould they not give security to him when en
rusting to cash them?
Middlesex Co
W. WADDELL

The Franchise of Canadian Banks. "The return of the chartered" banks of the Dominion of Canada, December 318t., 1912,",
shows that on that date the aggregate paid-up capital of the Canadian banks was $\$ 114,881,914$ made up of profits which had not been divided, and of premium on stock sold above par.
The Bank Act allows a chartered bank The Bank Act allows a chartered bank to re
coive deposits Lo an unlimited amount. The deposits of Canadian origi:n amounted to $\$ 1$, Time or interst-hearing Time or interest-bearing deposits... $\$ 632,641,340$ $\begin{array}{ll}\text { Depminion Government deposits } & 379,777,219 \\ \text { Domen } & 15354,19\end{array}$ Pominoil Government deposils

15,354,196 It will be seen that the banks have succeeded in borrowing from the public over a billion dollars at a nominal race are paying interest appear that the banks are paying interest on
$\$ 682,641,340$ to the outside public besides what they pay to the governments. A little reflection
will dispel that illusion. $)$ In nearly all cases the bank only pays interest on the smallest balanc in an account during the month. For instance, if on the first of the month a customer deposited
$\$ 3,000$ and on the $28 t \mathrm{th}$ withdrew $\$ 2,500$, hom would only be allowed interest on $\$ 500$ during that month, and the bank would have the use of his $\$ 2,500$ for twenty-five days without interest. In the course of business this feature amounts to it is a convenience to the depositor to have his monev in safe keeping, available when required Without access to the actual accounts it is im possible to state exactly the sum on which the banks actually pay interest. th thas been argue banks in the payment of interest, they do mot pay interest on more than four hundred million dollars, and if that estimate is right then on, the billion of the people's money with which they do business they not pay on the gross amoun great deal of careless speaking, and a good deal of disingenuous reasoning on this interest pro lem has been indulged in. Fven so fair and public-spirited a gentleman as Mr. McLeod has
almost misted the pullic into supposing that the almost misted the putic their money. Every one of them but the Weyburn bank pays from six to eleven per cent. in actual dividends after they have carried large sums to reserve account, and arter they have expende
immense sums on bank premises beyond what they value these at in their assets. The plain unvarnished truth is that on the money the shareholders furnish, banking pays a dividend o eight and ten per cent. besides enormously in theasing the value of the shares by accessions worth millions more than appear in the returns while the innocent public, which furnishes most of the real money in the business, has to be satisfied with about one and one-quarter per
cent on the average of all deposits. A little cent. on the average of all deposits. A Alitte this easily satisfied party-the depositor.
Another thing this return directs attention to
is the circulation of bank notes. Section 61 of Is the circulation of bank notes. Section 61 of
the old Bank Act provides that a bank may the old Bank Act provides that a bank mates up to the full amount of the unimpaired paid-up the capital of the Soverign bank be deductedand it is out of business-then the paid-up canital of the bank is $\$ 111,881,914$, and under banks had circulation outstanding to the amount stion the mere cost of printing, and is issued on the security of the unimpaired paid-up capital of the
lank. They pay no tax to the government, although in most other countries the government derives considerable revenue from the taxation of this privilege or , from some other form of profit-sharing. In Germany the sum the govern-
ment realizes from the profit-sharing with the Inent realizes from the profit-sharing $\$ 10,000,000$ a
Imperial bank runs up towards year. In France the government shares in Switzerland, the United States and many other countries the government gets large revenue rena the. banks, while here we not only get no revenit from circulation is enormous. It enables them to get interest on an extra hundred odd millions
without charge, and every note lost or destroyed is ciar gain.
Nor is it only in the matter of letting them Nor is it only in the matter of letting them
Cuplicate their capital by means of untaxed note issue that we are foolishly illogical. The The the
(heir bank notes without any security but the sworn statement that they have a certain amount of paid-up capital; but the Dominion or it issues has so little faith in itself that when
for every dollar of paper money that it sends
out. As if the paid-up capital of a bank were better security thaid the great country of which we are citizens ! It will the said that there is a redemption fun put up by the banks to guarantee circulation There is. It amounted to a little over six mil million dollars of circulation, and the and te generously pays the banks four per cent. interest on the amount of that redemption fund. But he lat fund is safeguarded for the banks. stockholder is cleaned out, as he usually is whe failure occurs, comes on the depositor. The redemption fund in the hands of the government
takes care of the notes in circulation, but then takes care of the notes in circulation, but then preferred creditor while the depositor must and take his chances as an ordinary creditor, and if there is nothing left he gets nothing. In the case of the Farmers' bank, it was found that the only real assets the bank had were the depositdeemed, and it was said by Mr. Clarkson Ottawa that there would not be one dollar left for the depositors unless from the Keely mine. The depositors are the men who to-day, the working over, are furnishing the bulk of the Bank Act from end to end gives them no special
protection.

The billion of money upon which the captains of industry' and financiers do business is gathered and our systemer villache and cross-roads, times in small sums from the young and the old, the healthy and the weak, and carried to the head offices of the big banks and there used as shall be ordered by a board of directors comcities. The privilege of collecting money and establishing branches all over the oountry for the purpose of so collecting is conferred by the Bank Act. And the power conferred is exclusive. Sections 156 and 157 say that any person not
authorized by the act, who uses the word "hank," "banking company", "banking house", shall be punished by a fine up to $\$ 1,000$, or imprisonment up to five years, or both.
The interests which control banks are not


Primley Bellivor.

## ,

lions of bank stock. A very large proportion o that must be held by men and women throughout the country as an investment. It would
found on the last analysis that even of the bank stock only a part is 'owned by the men who dominate the financial firectors runs from the holding of $\$ 3,000$ stock in a bank of one milliom paid-up capital to $\$ 5,000$ for the large banks. Does it pay to be a director? A bank must
have five directors according to law. The sum of $\$ 575,000$ will qualify five directors for each of One micht suppose that these directors would be like other trustees forbidden to deal in the trust funds, but the rules of ordinary business
life do not apply to bankers. The return to the life do not apment has a column headed : "Aggregate government has a column headed: Aggregate
amount of loans to directors and firms of which
they are partners." The footing shows that the Canadian banks in the indebted to These were loans voted to themselves. It would seem to be pretty fair financing to invest half a million or even treble that in qualifying as directors, and thereloy get a chance to borrow over ten millions. But that is not all. This that big business is of firms. Everyone knows firms now but by joint-stock companies. So that this return will not include loans to jointstock companies in which directors may be interested. If, then, personal and firm loans amounted to over ten million dollars, is it not the bis say that the real loans to directors and amounted companies in which they are interested the return?
the outsidely that in times of financial stress fair proportion of loans in places away from get ie head offices of the loans in places away from the the people's savings-the directors-are allower to vote loans to themselves and thus deny them tralization ? Under a branch-bank system eon bear the evilurally results, but if we are to acknowledgis of centralization because of th it not the advantages of the system, then i provision to reduce important that parliament mak is not fair that exclusive and profitable privilege should be given without every safeguard being employed and some compensations exacted.
In all countries special privilege granted to few has resulted disastrousiy to the many. If they have a money trust in New York which is organization of a few clever men, how do wo hope to escape its results here when we create something like a trust by act of parliament
What the What the. Bank Act did not do, the ac
incorporating the Bankers' Association complet ed.

## HORSES.

National breeding studs and national stallion depots under the control and supervision of the Governm industry. Mature stallions are pot chased from breei ers for the State on the approval of a
frst-class horse judge. Three hunoung colts ar purchased each yeei by the Government kept unthe three sold at reasonable prices to districts "Instead of the average
200 trom $1,-$
20 pounds and worth to one huindred and fifty dollars, were horses on have farms welghing from 1,600 to 1,
700 pounds and worth from two hundred to three
hundred and filty hundred and fifty nothing, of the great opportunitios grere are for the
breeding of purebreeding of pure-
bred horses." This wred the statement f L. P. Martiny, of Wisconsin, in reference to his State. How well it applies to most districts in Canada. It can be overcome by mor

## Cost of Raising Horses

Reports have been received from about ten thousand correspondents of the Bureau of Statistics of the United States Department of Agricuthe age the average for the United States is found to be $\$ 104.06$; or, if we deduct the value of work done by the horse before e has passed his third vear, namely $\$ 7.52$, the aet cost is $\$ 86.54$, this is $\$ 136.17$.
$\begin{array}{cl}\text { The cost varies } & \text { widely by States, from an } \\ \text { verage of } \$ 69.50 & \text { for New Mexico, } \$ 71.59 \text { for }\end{array}$

Wyoming, and $\$ 82.47$ for Texas, to $\$ 156.60$ Rhode Island, \$149.80 for Massachusetts.
Itemized, the, cost is
Service fee, $\$ 12.95$; value of time lost follows : in foaling, $\$ 12.95$; value of time lost by mare year $\$ 4.98$, second year ; care and shelter, first cost of grain fed, first year, third year $\$ 6.35$; cost of grain fed, first year $\$ 4.98$, second year
$\$ 7.14$, third year $\$ 9.56$; hay, first year $\$ 4.14$,
necond year $\$ 6.61$, third year $\$ 8.48$. pesture second year $\$ 0.61$, third yay, first year $\$ 8.48$; pasture, 86.21 ; other coste, $\$ 5.01$; total $\$ 104.06$. $\$ 21.68$ for grain, $\$ 19.23$ for hay, $\$ 14.18$ ber pasture, and $\$ 1.21$ for other feeds. The total
cost for care and shelter is $\$ 16.69$. Of the total cost, 54 per cent. is charged to feeds, 16 per cent. to care and shelter, and
As more than half the cost of raising a three-year-old horse on the farm is chargeable to feeds,
it is readily observed how important is the intuence of variation in prices of feed-stuffs upo

## Horse-Raising as a Side-Line for Fruit-Growers.

Editor "The Farmer's Advocete,
Up to the present the orchardists here have been paying very little attention to other phases of agricuiture than the growing of tree fruits, Marketing conditions have largely been responsible for this, elso the frict that clean cultivation between the trees has been the custom adhered to in onder that the trees might be forced to eariv bearing. Finding that too much clean culspot" they have begun the use of cover crops such as clover, timothy and alfalia, raising colts upon the hat.
have' devoted part of their orchard two years raising tomatoes, and requiring considerable horse work in the cultivation have invested in brood mares with the intention of raising colts and wintering them on alfalfa raised on their Las
Last year we kept two-mares, and have raised While we do not believe the light horges will prove mist profitable, because they cater to such a very limited market, still our mares were small bred or a Hackniey sine, we thought speed to b proferable. This year, however, there is to be a splendid Percheron here, end as a heavy horse can be sold in any market, this fact has led us Percherons, providing our venture stock sired by Perche.
This year we weaned the two foals above mentioned in September, and as we had cut some a stack of this at will until December they red at which time we" "halter broke" them and com menced to feed them. We had no way of gauging the amount of clover they had eaten from from it. We have kept close track of the feed from December have kept close track of the feed during that time with hay, at $\$ 23.50$ per ton and oats at $\$ 35.00$ per ton
us $\$ 15$ plus $\$ 20$ service fee.
April 1st. they go to pasture where they can winter we can place them in the hands of a rancher who charges $\$ 6$ per month for stack feedng on alfalfa.
raise each foal to three years of about $\$ 90$ to time, lar accident, we should be able to market them at from $\$ 165$ to $\$ 250$, according to their weight, speed, etc. The general price paid here or animals of the style into which they promise to develop, is about $\$ 200$.
the day of foaling, principally at cultivgt up to delivery work with some plowing, only losing about ten days before they were hack in harnisss.
Both foals are fine, sturdy animals, and one promises to be an exceptionally fine mare
promises to be an exceptionally fine mare.
This year one of the mares is with foal to a Hackney, as he was the only horse available.
The other we sent away to a rancher's and is The other we sent away to a rancher's and is
with foal to a Percheron. This spring we will use a Percheron only, and as that has always o this class of sire. We have come to the conclusion from observation, reading, and the opinion of horsemen here that it does not pay to frequently change
from one breed to another ; that a heavy hors from one breed to another; that a heavy horse
need never hunt far for a market, while the lighter breeds often do. Besides this, a poor
animal from a light breed is practically a loss,
merely on account of his weight, if for no other reason. the changing here told us of his experience in the changing fores. He and his neighbors had hred up from cayuses (wild western ponies) until they had some fillies almost fit for registration. and persuaded many with a Thoroughbred sire and persuaded many of the ranchers to go over figuring out his actual loss that he "dropped at least $\$ 2,500$ in that one year", he had neither speed nor weight in the stock he got, and a very
unshapely bunch of colts. unshapely 'bunch of colts.
valley could make it pay orchardists here in this workable age unless they are willing to take the chance of loosing them, and turn them out to roam over the mountains as many of the one winter and leave themselves a good profh We are situated differently from most orchardists. having a pre-emption of 320 acres above the
water line (land that can not le irrigated profitwater line (land that can not be irrigated profit-
ally) upon which to range our stock so it costs
nothing for pasture price they are I doubt if it would pay to raise them on a fruit lot for three years, for the hay that it would be necessary to feed them could for, so that one must charge it must be bought colts at this price.
Oat hay is used here to a very great extent and is a good diet, selling baled at $\$ 22$, and above is from $\$ 24$ to $\$ 28$. The figure quoted timothy hay this winter. Next winter oat and to have enough hay on'the lot winter the expe mares and their colts, as we intend to devote only half our lot to small fruits and vegetables, the rope halters thè colts chered not charging up selves, nor the saddle cinch one to amuse them meal of, for which I had to pay the harness maker $\$ 1.00$ to replace, nor yet the shaft loops one afternoon, harness that one of them devoured days later for the new pair bill for same a fow a price on the mare's mane; but one of the littl scamps chewed that for a few days since she couldh't get at the blankets a second time. Such now tie them with chains up to experience, and but even then they taught us that can eat, have a swivel on these or they would twist the up and break them. We thought we had "pput halter break them paces" when we came to cidentals perhaps some looking back over the inWe had some very valuable experience. halter breaking, one of them gave in with about fifteen minutes coaxing, but the other at the end quered, and we had stifl fighting was atill unconthree hours the next do put her through another However, the venture looks good, and we wil keep at it till it proves less profitalle than other British Columbia. bus liness.
WALTER WRIGHT.

Clipping to Prevent Sore Shoulders shoulders ere the spring and early summer sore is over. Any hints as to methods of prevention and cure are valuable to all those who work and Home Journal". "Winniper mends clipping all the hair from the shoulders.
This is his experience. This is his experience :
spring with horses ago had trouble every especially colts and horses that had noulders, worked all winter. No matter how much
cleaned them it seemed impossith dust out of the hair. and assible to seot all the
started to sweat the horse started to sweat the old hair would loosen up and become matted with dust and sweat. and ap "After some experience of that kind, I ' tried water every nicht for a few days before and started, and while this helped some, before work
prove a complete reme not come loose and gather in little old hair would were clipped it would end the if the shoulders a pair of hand clippers and clipped the shoulder Couple of weeks before work started. years I have never had a horse the last six shoulder except one I bought three years sore that had a bad isore on the point of ago
shoulder when I got him inch shoulder when I got him. I fitted him . With to fit over the sores, and in a holes in the pad them healed without leaving a scar weeks had
in a little vaseline on the sores every ni rubed
wiped them of with a soft ram in the morning. here is a calloused spot under since, although shoulder that will swell up as big as an ogg it is find it a half a day with a bare collar collars, to get a good plan, when buying new. buckled out wide, and when the horse is cutlar work and begins to shrink the collar can be gradually tightened up. It does not seem to make much difference whether bare leather, cloth as they fit well.
the "A collar to fit properly should come the sides of the neck with just room close to your fingers in between the neck and collar a neck and gets sore at the top of the shouldick I take a collar and after olling it well to mals, the leather pliable I fit it on a block of wood that will spread it in the right shape, buckle u tight and leave for a couple of days when it will

Care of the Stallion During the Stud Season.
upon potency of a stallion is largely dependent but also between seasons. The the stud season, regularly worked or driven, and kept in onl moderate condition between seasons makes a mor in idlens sire than the one that spends his time in ideness, notwithstanding the care and atten Thoughtful receive in other ways.
noticed that the strength and vitareders have when born, is, to a great extent in the strength and vitality of the parents at th time of service. Hence, the produce of a stallio ing, or underfom want of exercise and over-feed disease, accidents or other the result of over-work muscular, respirs or other causes, is deficient in cannot reasonably be expected to be as satisfactory ous. ing in this season," it being practically bus of the "stud May and June. During this period two months, breed their mares and it is not unusual breeder 125 or 150 boast that his stallion was bred to may be correct, but if cases the statement would, (in most cases,) be observed that a small percentage of the mares have conceived, while if centage would be much to four months the pertions obtain principally greater. These condito the number of stallions is not in proportion where the stables of extensive breeders in eections ers are situated, owners always have a number of sires in the stud. The soason may be said
to be continuous to breeders who ling to take their breeders who are willing to take their mares to the estabishment to
be bred. Breeding stallions should hen should only moderate condition and, as stated, Stallions ke given regular work or exerciso. potent as those show condition seldom prove as The sire that only fair condition. stable if in a town or for service at his own into if the country he is usually turned out especially during the seaso few hours daily, and, al condititexercise to keep him in proper physicBut we wish to speak especially of the stallion tain hours of certain weekly route, spending cersuch cases, the horse is usually in charge. In hired groom or stallioner, whose chief ambition to breed him him looking as well as possible, and such conditions the number of mares. Under greater danger than that of the horse is in mains at home. There is a greater or leas change and the quality, and sometimes in the kind of food he wants to feed and he knows that the horse should have to at he knows that the horse sufficient exercise (in some callion en route gets should be well fed, especially on grain with only reasonable quantity of hay, especially in the will eat at night. oats. On general principles wo pration should be but as it will doubtless be impossible to cet the many cases, it will be better to feed whole ats he should to avoid changes. In addition to a feed of dampened bran at least twice weekly, and as crass can usuolly a little bran in his oats, be allowed to can usually be obtained he should and oats are depended a little each day. While hay sary energy the additions to produce the necessary energy the additions mentioned are needed
usually such that it can be given frequently, and times daily. He should be given water both bofore and after meals, and when convenient between meals, and especially should he be watered after the evening feed when he is generally "fixed up,' for the night. Of course, all food and water should be first-class quality, or at least
of fair quality It is wiser to allow him to go hungry or thirsty for a few hours than to allow him to eat lood or drink water of decidedly poor quality. The former will cause some temporary suffering, While the latter is very liable to cause serious digestive trouble. All practising veterin-
arians have noticed that stallicns on the route are much more liable to digestive diseases than those which stand at home, and they have also noticed that such cases are very hard to treat and frequently end fatally. These facts are largely due to mistaken kindness on the pho overfeeds, or gives food of quality to travel him from stand to stand con a hot day too soon after a hearty meal. Sexual excitement, frequent changes in food and water,
and travelling in hot weather tend to weaken the and travelling in hot weather tend to weaken the
digestive organs and predisposing to disease of digestive organs and predisposing to disease of
them, hence the groom should recognize the danger and endeavor to avoid exciting causes,
even if by doing so his horse should fail in coneven if by doing so his horse should fail in con-
dition. As in horses in general such diseases are dition. As in horses in general such diseases are more Prequent
under-feeding.
The satisfactory regulation of the number of mares to which a sire should be bred in a given time, is probably the most difficult question for the groom to arrange. If stallions were limited percentage of foals and much fewer return services. We know that it is hard for a groom to refuse a mare because his horse has bred twice
during the day, and provided he has been withduring the day, and provided he has been with-
out service fur a day or two he may be excused for breeding him to four mares in a day, with ân The average Brom considers that one hour be tween services is sulficient, and this may take place indefinitely, sometimes well on into the night, but if he values the reputation of the horse as a his limits, and that breeding him to too many mares in a limited time, while it affords grounds for present boasting, cannot fail to eventually injure his reputation. Under such conditions a horse frequentiy refuses to serve and this is a reat humiliation to the groom. d is very slow. The veterian lar with such tales of woe from grooms, who want drugs that will act as stimulants to the generative organs (called aphrodisiacs). The re-
putable practitioner refuses to accommodate him, as while drugs of this nature will cause the stallinen to apparently perform the functions of a sire he will not roproduce, and the practice is doing an injustica to che owners of the mares, who otherwise would seek the services of another
horse. In addition to this, the repeated administration of aphrodisiacs has a tendency to exhaust the organs from over-stimulation, and produce permanent impotency. Unfortunately, some use them without consulting their employers or veterinarians, and cases are Where over-doses or too often repeated doses have
WHIIP.

## LIVE STOCK.

No flock-master should neglect to dock all his
lambs, nor should he neglect to castrate all mఓles lambs, nor should he neglect to castrate all males ot intended for breeding purposes.

Experiments carried on at the Central Experiment Farm, Ottawa, indicate that feed flour may
be fed to swine as a substitute for oats and barley with good results.
"It is an undisputed fact that the manure of sheep is much richer than that of other live stock furthermore, they thenselves spread their manure more evenly on the land than any manure spreadgood heavy crop of grain, corn or vegetables may be expected when a coat of sheep manure has
been applied to the land." -Frank Kleinheinz.
' 'Keep enough stock' of some kind to conenough, but not more than you can keep well. Keep the best. Do not think you must raise
everything; things that do not pay qre hest left to someone else." This is a bit of excellsnt advice given by a well-known Farmers' Institute
lecturer of Wisconsin. It applies to Wisconsin and everywhere else where stock-farming or mixed arming are carried on.
farmin in our Western contempong sheep on the grain Advocate and Home Journal,", "The Farmer's states that, as far as his experience goes, they
have no disadvantages, he considering them the "backbone" of his grain farm. On his farm of
260 acres he produced 260 acres he produced, previous to getting a flock of sheep, 2,000 .bushels of wheat per year,
since purchasing a tlock he has since purchasing a tlock he has been able to pro-
duce 2,000 bushels of wheat each year, and has the sheep profits besides. Another writer on the same subject says : "The man with a flock of
sheep on his farm is sheep on his farm is on the way to the true goal crops.

Care of the Brood Sow and Her Litter.
Editor "The Farmer's Advocate.
A great deal of the success in pig rearing depends on the care and management of the brood sow before and after her farrowing period. Im-
properly fed sows have weak litters, and they make poor mothers. If the sow is properly fed and handled before and after farrowing, the duced to a mat occur at this time should be re sow, it is necessary. In feeding the pregnant must be provided that will grow muscle, bon Young brood sosides maintaining her bodily needs. more protein and mineral matter than containing because they are still developing, and in addition to foetal growth they have to provide material for the growth of their body. Highly concen-
trated food such as corn should be avoided, and only ied in limited quantities. A light grain ration consisting of equal parts of corn, oats, barley and shorts does well. In addition to the grain they should receive a considerable amount
of roots, as roots tend to aid digestion and of roots, as
assimilation. Alfalfa and cond to aid digestion and
clor lent, being much relished besides supplying protein.
properly lualanced ration is necessary for the sow, but she will not be in the most perfect
health unless along with it she receives abundance of exercise. Every brood sow should have a yard to run in, and the barnyard on the average farm is perhaps the most satisfactory. Given access to the barnyard, the brood sow is
quite contented and will move about freely sraall sleeping house may be provided, or a small corner closed off from an open shed will serve the purpose very well.
As farrowing time approaches, the sow requires special attention. The farrowing pen fore farrowing the sow should be moved, to her new quarters. This gives her time to become accustomed to her new surroundings, and become acquainted with her attendant. She should now
be fed lightly, Too likeral feeding at this be fed lightly. Too liheral feeding at this
period tends towards an excessive flow of milk at farrowing time the result being a caked and inflamed udder, the mother is irritable and thus more liable to injure her litter. The ration may be adjusted by reducing the amounts of grain, troduce bran into the grain ration. The inerease in bulky foods satisfies the appetite and supplies the much needed protein.
Provided the sow is in
Provided the sow in in perfect health there will be little difficulty at farrowing time, and she
will require comparatively little attention further than to see that the young pigs are able to take their first meal, and that the amount of straw in the bed is limited and clean. A plank guard
should be placed six inches to eight inches from should be placed six inches to eight inches from
the floor around the side of the pen to keep the mother from lying on the little pigs. After farrowing the sow should be left quiet for at least
twenty-four hours. No food should be given,
only an occasional drink of water that has had
the chill removed from it. very light slop may be given, and from then on be placed on full increased. Xoung sows may may be dull feed in two weeks, older sows danger at this period of producing is always a of milk by over feeding. As the little ovigs reach the age of from two to three weeks this danger is removed, and the sow may be placed on a full It should bu remembered that at this period the food must be of a highly developing nature.
The food must develop the bone, misle The food must develop the bone, muscle and their mother.
pigs begin to eat a little of their moether's young pigs begin to eat a little of their mother's food, should be encouraged to "eât either" with their mother or ty themselves. A separate trough in which is placed a thin slop of skim milk, shorts and low-grade wheat four is excellent.
At the age of six weeks the young pigs should have nearned to eat for themselves, and may be
weaned. This is the critical period in the young pig's life, and the change must le made cautious ly and gradually. Remove them from their
mother for a few hours every day, lengthening mother for a few hours every day, lengthening
the period each time until in a few days they are removed entirely.
The sow should now be removed out of hearing, and in a few days she will dry up completelot Increase the amount of skim milk and meal dam's milk. They will require to be fed three or four times a day for a couple of monthe. Pigs at this age require a high proteln ration with considerable mineral matter. Some water should be added to the skim milk, and small
amounts of tankage or animal meal, will aid mineral matter to the meal ration of shorts and wheat flour. Skilled feeding at this period, combined with clean quarters, fresh air and exercise, go a long way to the production of cheap pork Macdonald Colloge, P. Q. A. A. MacMithLAN.

## Big Pigs and Young.

toditor "The Farmer's Advocate."
Seeing that your columns are open for diacussion on the pig-feeding question, my experience may we of interest. I notice that some of the would not think of feeding it any other wasi I fed some in this way years ago, but gave it up, because I considered that the pigs wasted weigh 250 . One of the writers said he had pige thoucht he was doing pretty well. I nearly always get my hogs to weigh 250 pounds between six and seven months of age, and one lot sold recently, three in number, tipped the scales at half months of age. These pigs were not led anv dry meal. They were fed three times a day, morning, one-third oats and two-thirds barley chop grolnd together, soaked from the night be-
fore: at noon, corn in ear, and at night chop again soaked from the morning. These pigs were not shut. up in a pen that had an upstalirs sleeping place, but had plenty of room in two pens eight feet by twelve feet. They were along with
nine others, and all fed out of the same trough aine others, and all fed out of the same trough.
Middlesex Co., Ont. ROBERT WFBSTER.
[Note.-These contributions are becoming more a battle of weight at a certain age than outlines of feeding methads. Few-correspondents have given any figures showing how much feod of the
kind they were feeding it takes to dredweight of pork, and few have outlined the amounts of feed required by pigs of various amounts of fes.-Editor.]


Full and Contented
A roadside scene in P. E. I. The road is not the best place to pasture the cattle, but they keep down

A Pig Feedèr from Early Life. Editor "The Farmer's Advocate." :
"The Farmer's Advocate" has asked for experience in hog feeding, and as I have been on the job since I was about ten years old, perhaps, Fmay heve learned something good enough to pass along. The reason I started so soon to find out what the pig's nature demanded was because on latin was away feeding the two-legged race on the tail of the little fellow in the pen foll to me. My first recollection of hog feeding is seethis my arandfather with a wooden yoke, acposs boil shoulders, on which hung two pails filled with boiled deas from a huge cooler hanging 'in the me thinking, is the farmer merely That voke set burden too tired to think, and letting others tell him that the manure from the hoore others profit enouth for hima, and that thelfeed he grew cost nothing? Mv father had taught me differently, telling me that next to the gospel ministry larming was the noblest profession in life, living boiled nature. But to return to the hog. those bran for the breeding stock was a balanced ra tion that in my humble opinion has never bee excelled. But the older generation is with them the boiled peas. Peas are he, and harvest, and this year the price is far abve the hog. Beans being so scarce, the pea has to the their place as human food. Next to boiling tried soaking whole grain, but this didg we prove very satisfactory as much of the was undigested. Then came ground provender with the suspicion that when the farmers' grain fell through the hole in the floor of the mill only about half of it came above the ground again, and the old story of the simple hoy was. much
in evidence. The story is this: A miller asked in evidence. The story is this: A miller asked a simple Scotch boy, 'Jimmie, dae You ken any-
thing ?" "O aye,", says Jimmie. "Weel Jimmie braw pigs," and "Jimmie, what do mouller has I dinna ken at wha's expense they are fed. wn grinding the day of the farmers doing the tor so much a bag. and the mills to grind farmers from bringing peas in salt bags greedy ground, the rate was changed to so much to be hundredweight, generally six cents. This works think if they have the to feed ? Manv farmers hogs, but would never think of buying to feed buying feed, forgetting that the grain in their own granary is worth the market price. Others go to the opposite extreme and pay a dollar and flour, when No. 1 wheat is selling low-grade money, and tast year some were feeding less worth nearly two cents per pound. The remedy is for farmers to use brains, pad and pencil more and buy the mixture makes a balanced ration We charge our hogs with not grown at home. market price, so that we knowe exactly whether "piggy pays the rint" or not. The money-making feed this year has been corn and shorts, equal
parts. So much for the feed, and now how feed it. In this day of dear labor, throw awa feed anywhere from twenty to one hundred yand Either bring the hogs to the feed, or have the feed near the hogs. Often water could be piped
into the feed passage into a into the feed passage into a tank or barrel. We
solved this problem by boring a fourten-inch solved this problem by boring a fourteen-inch
hole in the clay till we got water close to the pen, as out floors are all cement there is no soakage into the well. For curbing we put a sewer pipe about eight feet long to keep the sur-
face clav from falling in. An iron pump com-
pletes, the ioh. and does not cost much here or bin for provender in the feed passage
close to the trough, and a man can feed hogs in less trouch, and a man can feed passage
old symenty And now ior the trourh, we used to use a
plank troumh in a rather dank pin floored with
plank. There were a plank.
around around. but the hows nover simed sats running hole cut through flonr and tronch piring th
feed to the rats bolow. Who savs rats
reason? reason? Next we trim? the so-callod stel ly if not kept in constan
is cement, as the hogs ca? it out. We made

passage. As the floor was cement we just filled round-bottomed trough with cement, forming a twelve inches wide the whole width of the' pen. six-inch looand on edge of trough next the feed passage, making a convenient height on which to rest pail emptying in feed. Then we hinged eighteen inches more of partition to swing up with short woard across frod, and fasten down feed. The upright stays which keep the trough in place keep this swinging front from rising too high, and the trough is thus closed in except the many advantages feed. This kind of trough has cower cand be adjusted any height to out feed, pigs from standing in trough, as soon as one feed sill done another may be put in trough and kept sill wanted, a farmer can feed his hogs without can feed them, as or a child of five years old the little board across trough and hang up the chain. The hogs do the rest. For hogs over two hundred pounds the swinging front would AS the bacon higher.
lows has to feed applies to himecialty, what folhas been. the less room a hog has the experience grows, and we would like to suggest that some ing of hogs as well arms do some crate fattenpasture runs for bacon chickens. We want no a bunch of hogs weighing two hundred pounds each every six months, some have done better five or six a good average. Take the little pigs taught howeeks old, and, if they have not been in the pen, and put some milk warm from wheat cow in the trough. After they have from the eat well, feed skim milk or buttermilk with a you will have wheat or barley or buckwheat, an How often to feed is pigs.
feed four times till they are about three like to old all they will eat clean, then three times couple of months longer, and the last month feed like corn' or orgh if they are getting heavy noon, and also all the hay chaff of roots at thev want. If the milk is scarce a good feed is ground corn and shorts equal parts, a
pail of water to a pail of meal mixed in trough. No slop for us any more or dry feed. We used to give drink first and way, as some pigs will not drink much that gorge themselves with the dry meal, and, as frof. G. E. Day has pointed out. carry mouth for something better. The above is to to look feed; for summer some green clover, peas, winter and roots fed in the pen will cheapen the ration. And now a word ahout profit, prices and wackers. At present prices, nine cents live of feed about five cents per hog per day for care, rough feed, as hay, roots, milk, etc., for yet some people think hogs are too high. Farmong is the only business I know in which somegardless of the cost.
We have done our share of the cattle trat but have not dealt in hoos, but our opinion is that if the packers don't want their plants idle some measure of co-operation with to plan say eight cents the year around and farmers, the increased production would keep the price from going higher, as Ontario is particularly To this they may the best bacon at a fair price. trol the export price, hut as they already control the quickly-growing home market they conuse the export as a slaughter market if necessary.
Lanark Co., Ont.
J. W. ROSE.

## Shorthorn Record of Performance

 Established.has virtually completed arrangemers' Association cial inspection and registration af ants for the offiand heifers entered for official test. The cows dards of production entitling to record are practically fixed, hut have to le approved before be-
ing printed and distributed. They are not high ing printed and distributed. They are not high,
as it was thought best not to start too high. any breeder having a registered Shorthorn cow mance test, should send the name and number Sig cow to W. G. Pettit, Secretary Dominion
:Horthorn Breeders' Association. Visits of inof cattle, so that any animals not onter hreeds iie cligible for the record, providing their produclion equals or exceeds the minimum of milk and

## Founding a Herd.

Whether the breeder commences with grade cattie or pure-breds it is necessary that he exercise good judgment in puirchasing the cattle which herd. This is more particularly true of of the than grades because the buyer must of pure-breds gree as well as individuality. In the case of the pure-bred it makes little diference haseo the pedigree may be if it is not a good individual it is not good enough for founding a herd, asd no the pedigree is inal the conformation may animal does not fll the bill and ahy respect the placed in the herd. the bill But given that that could be desired, whal and pedigree are all to buy? An Old Country is the best animal recommended yearling heifers because they ar generally not over-fat having grown rapidly, have from abortion. Then bred, and so are at least free yearling which, very are points in favor of the and comparatively. low condition and uncrly age as to breeding ability sells at a reasonable price but there is an uncertainty about even the p The calf is evever breed.
One can scarcely guess her uncertain
The two-year-old heifer bred and and is a reasonahly looks good to most signs the right kind. Abortion and the chance is of being a poor breeder are tbe only gambles in her case, but a two-year-old heifer not in calf, erpeccourse, if she has never neen so attractive. Of chance that she will breed all right, hut if she has been served one or more times and has no conceived there is a great chance that she will not be a breeder.
are not usually very sure, and the buyer a calf big chance with them, but cows or heifers this age which have produced a living calf or ar carrying a calf, providing all other conditions are One of the best right.
which has had two or three calves young cow regularly every year and producing the right kind of offspring. Bought with calf 'at foot, or lent begore parturition, such a cow is an excelright there is no great element Tried and proven purchase. The buyer is not buying a es in her a poke." There are profitable and unprofitable nimals in all ages. but the cow which has proy nosition, worth, 18 a comparatively sure procourse, such often she is not too old. Of younger things, but in the big sales of pure-bred tock. the highest prices are very often paid for In founding a herd the high show-yard condition. these. They cost too average man should avoid are valuable to established breeders for him, and advertisement than for their actual breeding wheir . They are bought to win prizes and bring their owner's herd before the public. The man vertise, and is in need of established herd to ad-show-fitted stock. Do not gather from this that the beginner should not buy good things. He nould get the best, but very often the mother of again in calf, or with calf at foot propositions, for one-quarter or one-half the price her highly should he bring. What she has done c.nce she can produce the again, and the fact that she them, should be the dom ones. and is producing cause the man in search of foundation st.ock to good stork does all means buy good stock, but loaded down with fat. Yearling heifers in good
breeding condition, two-year olds well-gone in calf. or older cows with calves
ore at fnot, or safe in calf, or older cows with calves
for the man in good propositions for the man in search of female foundation stock, if she can be bought. Very the tried and proven cow get the breeders to part with often it is difficult to whatever age is bought, alwavs aim to see but the chances of the reproductory organs being injured by over-feed, or by disease, are at a much too fat.
"Ready-to-wear" roads are quite justifiably adAdvated by a correspondent of "The Farmer's
wivl not stop says: "Scientific road-making will not stop short of a smooth surface, a finished and weary driver road. Many a jaded horse farmer's wife, will "ammen" the and back-aching compract stone zill "ammen" the proposition to

APRIL 24, 1913

## THE FARM.

## How a Simcoe County Farmer Grows Clover.

Editor "The Farmer's Advocate."
With us clover is the basis of all our farming operations, and is by all odds the most im portant, ir not, the most valuable crop we grow.
This is true for three reasons : First, it yields a large amount of excellent stock food, without which it would be impossible to feed cattle and sheep to any profit; Second, the roots and atubble and the whole crop, where we plow soil, and in this wey increase the yield of the crops grown: Third, it reduces the and cultivation required to keep the land clean, by occupying the soil after other crops have been removed, and thus proventing weeds from getting a start. These three advantages of the use of cluver aro so well understood that they need no explanation.
We follow a regular four-year rotation, as Thilows : first year, clover : second year, oats ; year, barley and wheat seeded down. We make a variation in this rotation where circumstances Warrant it, by seeding the second year with the seeded is manured during the winter lif thass and the clover allowed to grow till about May 20th when it is tur ued down with the manure, corn. This makes a very excellent planted with for corn particularly on heavy-clay preparation assists greatly in building up the soil and end
riching it, as well as improving its physical conIn. a regular wav we seed down with fall
wheat and crops to seed with because the the best grain land early, end so allow tho clover a good chance to grow a good top before winter sets in. The mixture we use is six tos. red clover, one it.
alsike and two tos. .timothy per acre, except in
the case when the alsike that this भs quite enough seed where the land is In kood condition, and will produce a better crop than where more seed is used. It is quite
possible to seed tho thickly even with clover,
and I have seat peared to be too thick and were plants ap short in consequence. Of course, if your land is poor or in other respects. out of condition, it
would be wise to use a greater quantity of seed. I like a little alsike and timothy with the red cloveeter because the mixture makes fimer and and also because the alsike and timothy are more resistant to frost than red clover, and where unclover in patches opring weather kills the red In seeding with fall wheat we sow hroadcast as soon as the ground is dry enough, and follow
with a stroke of the harrow. We used to the timothy with the wheat in the fall, and the grast the clover before the frost was out of good catches of clover and timothy, but, of course, it was not possible to harrow the wheat in the spring. The harrowing is undoubtedly
good for the wheat, so we sow later and harrow In seeding with oats or barley we sow as in as fine tilth as possible, and sowing in front of the discs following by a stroke with the
harrows. The oats are sown at the rate of six pecks per acre, and the barley fi
get good catches with both grains.
I do not approve of pasturing the young
clover closely in the fall, or with heavy animals at all. The hoofs of cattle destroy more plants than their teeth, and I never allow them on the of top I pasture with lambs, but not closelv. Some claim that lambs or sheep will bite the
crown out of the clover plant. My experience is that they will not do so unless they have first eaten anl the leaves. They will not injure the and they are too light to injure it by tramping.
Perhaps the chief injury from lamus is due to the halit they have of making beaten paths around the edge of the field, but this is inconsiderable.
We have had but one failure to get a catch in We have had but one failure to get a catch in
the last twelve years. That was, I Think, 1906
when a drouth and hot weather after harvest hurned the young plants up.
Simcoe Co., Ont.

## Lightning and Lightning Rods.

 Physics, of the Ontario Agricultural College, ha lightning for the past on the damage done by found that of all buildings reported struck 55 properly rodded, only one in six was buildings a little over 16 per cent. Thus it is burned or an unrodded building if struck is more then thre times as likely to be burned as a rodded one Connectionable work was done during 1912 in companies in Onarious mutual fire insurance rods have a very important function in the prig vention of strokes. Eight of these companies were all that were able to furnish reports complete in every particular. Although the first rodded being 1 538, which barns, the numbe twelve barns were which maked, among which there was not one that was rodded. These same companies had 72 barns damaged, of which one was the number rodded.being 592 , which $4,023 \mathrm{hquses}$, per cent. Three houses hurned, of makich 14.7 were rodded, and thirty-four were damaged which one was rodded. The last two companies insured 1,008 barns and houses combined, the number rodded being 122, making 12.8 per cent. and ten damaged, with not a rodded one amongst them. Taking the whole eight companies to gether they insured 10,644 buildings, the number As thed being 2,252, which makes 21.1 per cent. years, the total number of rodded and unrodded buildings insured is probably about three time the figures just given. They had nineteen buildings burned of which one was rodded. Adding see that these companies had 135 building struck by lightning, of which only two were rodded, which makes 1.5 per cent.Of the buildings insured by these companies last year 21.1 per cent. were rodded. This may centage of rodded buildings in the territory covered by these eight companies. If the rods expect that 11.1 per or the other, we would would have rods on them. For every 79 unrodded buildings struck, we would expect also to rodded 34 rodded ones would be due to be struck, but only two were actually struck. Are we not justified in saying that in all human probability the rods prevented strokes on 32 out of : 34
rodded buildings ? rodded buildings ?
7,000 unrodded buildings insured by these eight companies 37 were struck ly lightning, while out of every 7,000 rodded ones only 2 were struck. Are we not therefore justified in saying times as likely to be struck by lightning as rodded ones? These reports covered all kinds of rads in use in Ontario. From this we are led to believe that lightning rods are a potent factor
in the prevention of strokes. in the prevention of stroke
livered by Prof. Day before the Mutual Fire Underwriters, and while dealing with it he again emphasized a number of points in the construc tion of lightning rods, which readers construc ing such would do well to note.
not an "L" or " T " two ground wires could be used, preferably at corners diagonally opposite from each other. These ground wires should be
sunk far enough into the earth that they are sunk far enough into the earr on "In Ways in ${ }^{\prime \prime}$-shaped building there should be three ground wires, in other words there should be no "dead ends" in the system. The owner should ibe present and personally see that the ground wires are actually put $m$ not in light soils. 2.-Cable: Beginning at one "ground" the wire should extend up the corner, make a gradual turn at the eaves, go up the enge of the roof to tho peak, along the peak to the other end, down
the edge of the roof to the eave, and down the corner to the other ""ground." All turns should be rounded rather than angular.
3.-Points: At intervals along the ridge uprights should be placed with points that will not
corrode. On these uprights ornamental device of one kind or another, such as bright balls are of one kind or another, such as bright balls, are different companies manufacturing rods in Ontario that these fixtures are only ornamental, and that they are of no use in telling whether a building has been struck by lightning or not,
4.-Attachment: The rods should be in metallic connection with the building. Metal clips, which surround the rod and may be nailed
to the building, are used. It is considered bost
practice to have these clips so made that they
hold the rod about one inch out from the building. The reason for this is out from the buildplaced so that they lie flat against the building straw is danger of inflammable material such as the building. Should the bedween the rod and heated with a flash, this rod become highly would be likely to catch fire. With the rods held out about one inch there is not much likelihood is in direct opposition to that of attachment lightning rods were first used. It was then consider ed desirable to insulate the rods from the builiter by glass or earthenware insulators. In a thun-
derstorm the entire outer surface of the build derstorm the entire outer surface of the building is charged by electricity and by having the
rods in metal connection with the building the charge is conducted by the mettal to the rods. nad thence to the point where it leaks off and neutralizes the opposite charge existing in 'the cloud, thus preventing strokes. When rods were ovarlooked, and consequently insulators (was advised. 5.- Material: For a long time copper was
considered the only material for lightning rods,
the reason being that copper conducts the reason being that copper conducts a steady curprent of electricity six times as well as iron,
the only other material then considered petitor. However, between the years 1888 com1892 Sir Oliver Lodge carried on an investiga surprise, as well as to of lightning, and to his surprise, as well as to that of many scientista that an firon will carry off a sudden rush of electricty better than a copper of the same size. Every discharge or current of electricity induces an opposite eurrent along the same path. This tion acts as a resistence to the current. Whindeiron has greater resistence to a steady current
than copper, yet the self-induction in the irron is than copper, yet the self-induction in the iron is much. less than in copper in case of a flash of lightning or an electric spark. Basing his judgthat, in his opinion, the day of copper Ifightning rods was done, although he added, as a rider, he thought the iron rods would not pros burned, able owing to the action of the fumes upon the clined to think ithat even in the country tion of durability is an important one. Galvanring is sometimes poorly done, and even if well cut, e. g., at the ends or wherever the rods are scratched. The same does not apply to coppor Bire. it seems to me that in this judgment Lodge' paid attention almost entirely to one duty case the building is struck. carry off the lash in reports above presented.
ning rod has another and a greater duty to perform, namely, the prevention of strokes from occurring. To prevent a stroke there must be a point and into the air. Now for steady current copper is six times as good a conductor as iron hence, for preventing strokes copper is the best. Taking into consideration the question of dur whole, copper is a somewhat better material fo rods than is iron. However, there is little doub that a building rodded with iron rods is protected in a very large measure, as indicated by the
fact that our reports cover all kinds of rods. 6.-Metallic Bodies in Buildings: Lightning rod companies here vary somewhat in practice. Some connect all metallic bodies to the lightning former is a better practice. If the think the is a long one like a steel track it would probeb is be best to attach it to the system at both ly be
ends.
7.
7.-Systems : All the cables on a building should be connected in one system. Sometimes
it is found that on a "T" shaped building, instance, the rods on the one part are not connected with those on the other part. Numerous instances are reported where damage has oc curred between these two systems, the lightning
striking the one system and part of it jumping striking the one system and part of it jumping
across to the other. Consequently, divided systems should be scrupulously avoided.

Does Not Harrow after Drilling. Is it best to harrow a grain feld after drul-
ng ? John Hunter, the well-known stockmen ol Lambton County Ont, believes not and o cussing the point in our office the other day, tion and trial. When the land is not harrowed the grain is, of course, in a shallow furrow made more drill disk or hoe. It comes through more quickly and uniformily than if harrowed,
Then in the case of fall wheat the gradial
weathering down of the ridges between the fowis
fils a cartain amount of silt around the roots And in a measure repairs the injury by any heav egring grain mo hork wakein plice. Even with spring grain the working dowif of the ridges helps
to mulch and protect the roots, he believes. Mr. Hunter atways spows the roots, he believes. Mr.
His
ateass and clover seed ahead of the cril. He much profers the dis
drili. He never tikes dili. He never likes to roll his grain after sowing without

Effect of Cold Storage on Prices. Cold storage in relation to prices is the sub joet of a recoatly issued builecin prepared by
Etorgo K . Holmes, ©nief of the Division oi Pry duction and Dimetribution, Bureau of of sitatistics,
S. Departument of s. Department of Agricuiture. This is supplemen tary to a former bulletin in which vuspmes foatures of cold storage were treated. The pro are freah beef, mutton, and pork, and dressed poultry, butter, and eggs. Whoolesale prices were escriot of 31 as fear cock as 1880. and the whole period of 31 years covered by the price statistics approximate time primary periods at 1893, the crown to be important which its influence upon con Tumption.
In a grand summary of results of the investiEation of changes in public levels, the conclustion rieo of prices to a higher level, when prices are exproesed in cents, readily appears, and also an
almost and
invariable tendency. toward a higher almost invariable tendency. toward a higher
price lovel when prices are treated as index
numbers, when the list numbers, when the last, period of years. extend Arst "perion."
tetes, to the tendercy towic of this report re formity of prices throughout the away from, unitheneral ioduction of cold storaze. Therause of four of the commodities miniormitity of prices for pork. © intrary tendency for fresh beef and fresh porkio It is, therefore, apparent that the constorage has counted for uniformity of that cold lergelv true, but it is not true for all commodi tien nor for all comparisons of years and periods

## Reinforcing Barn Approach.

 Editor "The Farmer's AdvocateIn noticed a question asked, in a recent issue, coment. I expeoct the enquirer intends putting many railroad rails the t. He has asked how poilroad rails are concerned it is is not necossary the put them in. I 1 burit an approach something four inches high at barn, and eight feet at dirt, Thd sixteen feet long, and twenty-two feet wide. I put on the top of the approach with cement oloven inches thick in centre and eight inches at hall-inch rods sixteen feet long and about nine rods of coiled wire, and my and about root house is standing all right. my approach or arry almost anthing. It will carry a twentythe hopse-power engine while it is up to draw power gasoline engine stood on it for a day hail threshing timothy, and it never so much as trembled. I consider that railroad rails are aight dollars, so would have cost me twentyonsider my root cellar cost me about muin, dollars all told. If any of your readers wish to cot any further particulars in connection with Its, I will be pleased to give them if possible. 1 put a coat of coal tar on the top to kep the
rain out. Rain water soaked through before I took this precaution.
Perth Co.. Ont.

Special Preparation for Lerel
Claysaration for Level or Clayey Lands for Corn.
Where either heavy-clay land or level land not
enderdrained is to be used for corn, it is not fnfrequently advisabe to make corn, it is not
ton by plowing and working in prepara-
The land should t,
 done as to presessere the cultivation should be so
ronding, surface of the ridges, and the dead furrows should be kept
clean and should open into a well-kept ditch, In planting, the frrst row should be run down name ridge, one on each side forty-tivo inches
anay. Thus the rows on the whole field will be
 Grtadale.]

Use of Gasoline Power.

## Bditor "The Farmer's Advoeete"

Up-ta-date farmers throughout the Dominion are at last awakening to the fact that to run their farms econcmically they must hive a cheap. and more reliable means of power than hired help, becoming more difficult to obtain, or the slow moving horse.-With hay at $\$ 18$ per ton and oats at 60 cents per bushel, a team or horses is ially if they are idle two or three days out of every week, and besides a horse will only work a certain number of hours each week, but whether working or idle they will have to be fed, and feed this year means more money than ever to tne farmer, whether he sells it or converts it into beef or porks

Owing to the above conditions, farm power is becoming more expensive and costly, and it behooves every progressive farmer to find a cheaper and more reliable means of power. This is found in the gasoline engine. Already on the larger farms the gasoline engine has found a place of tes own, and on some of the more progressive farms there are from four to eight engines, ranging in bizo from the amall two-horse power for use around the dairy, for pumping wate Washing, sawing wood and other small jobs, to me massive forty-horse power tractor, which in spring is used to do the plowing and cultivating, and at harvest to haul a string of binders, and attorwards to do the threshing, and run the ensilage cutcr.-But it is not of the gasoline engine on the large farm that 1 wish to deal, but rather its usefurness to the man who tills a comparaively sinall amount of land. Herein lies its aref recommendation that it may be used equally alm on the small farm as on the large one. the man be no matlor what the product gasoline-engine power can and prontable use for used to advantage on the small engine can be the large farm, use will be found for several When a farmer begins to consider seriously the purchase of an engine he will often ask two questions "what size will, I buy?" and "what will this size cost "me ?" These questions he manufacturer of farming implements as to the amount of power required to run the machinies he intends to use. Then when he has an idea of the reliable engine-maker the coed, he can ask some suitable power. For the average sized far of six-horse engine will supply power enough to run the forge, a work-shop, drill, etc., for the repair of his tools and implements, a churn, separator,
butter-worker very important outfit on the form and also a electric generating plant, for supplying light for farm buildings and house, and power for washing machine or heat for toaster and flat-iron. And leges and conviences en the cithe farmer privi of electricity for heating and lighting the use which will help in eliminating the risk of fire with the sattachments and equipment furnished Ordinarily an engine will cost about $\$ 60$ pe outfits cost about one-fith more, and a sawing
outfit will cost about $\$ 50$ more than a portable gear, but the portahle etype is the a most satis
factory to use as it can he mos. place to place as required. he moved easily from large number of small iobs to be performed a
about the farm it is better to purchase to
In using the engine about the dairy it is bes to use a line-shaft large enough to accommodate pump. By using pulleys of the righ sizes the correct speed for each may be obtained, this is a most essential point to bear in mind when minute, more or less, will make a large difite per in the satisfactary running of fine-genred diference ines such as the separator. mach In the barn the engine will do most satisfac-
tory work in operating the thresher, fanners, prinders, root-pulper, cutting-box and bone-cut-
ter. It is best to have such machines as will ber convenient to operate at once connected on the
line shart, that is as many as the horse of the engine will run without overloarding it.
The normal speed of an engine is the or normal speed of an engine is the velocity.
or number of revolutions of the fly-wheel
ininute that iminute that will best enahle it to carry its ferl
rated load constantly.


Ready- to - Wear Roads. viditor "The Farmer's Advocate. It is an indication of a healthful public spirit that the attention of the country is so earnestly directed to the good-roads proposition as it is at the present time. Everybody wants good roads. The man who is going to tun him are all alike nan who claim for a road that will facilitate progress. Whether a man rides a mule or an auto, good roads are an essential to success in making conquest of distance. Good roads are a good thing, and good roads we must have. There is no getting around it, we must get at it with pick and shovel and teams, and place load after load ofravel and stone upon the road. That appar antly is the way to make good roads-first make them well nigh impassable, trusting that time and tires will do all that remains to be done. That is making good roads purpose of driving is gener ally something very different from packing gravel Making roads good hy this wear and tare process is not as good as it looks, though the look part is far from being considered favorable: What is anted is ready-to-wear roads. We have ready-ready-to-wear hats and caps. What are wie thinking about that we are content with anything hort of ready-to-wear roads. He is a poor tailor who said; your coat will come to you" will come to you." No doubt it will, seeing you cannot keep away from it. It is so that with present road-making machinery ready-to wear oads are not practicable. Lo the inventive genius of the country be turned in this direction
to evolve some method of packing road material that will be within the reach, from financial point of view, of every municipality. It may be more expensive to make ready-to-wear roads, and it may not be. The initial outlay does not别 pose one hundred farmers go over a certain piece
of road every day and it takes ten minutes more ime every trip on account of fresh gravel unpacked, how much will that mean in a week or a- month ? When a person begins to figure up the wear, the item of expense may be counter-balanced ne hundred times. Wearing the roads into pasable form wears out the buggy and wears the orses feet. It wears a woman's nerves and ears out a man's patience. It wears an autonobile worse than anything it is true; but just now we are making an appeal to the farmer and
would be very sorry indeed to prejudice the case by any unfortunate remarks however popular they ight be in vther circles.
Packing gravel with inch tires and horse's hoofs is a very unsatisfactory piece of work, and is a slow piece of work especialiy in a dry
season. It extends quite often through the sumner months. Fresh gravel is a great big obstacle to pleasure driving at the very season when people are seized with the impuise to go
somewhere. Our fathers and grand-fathers made roads by putting on fresh gravel and then getting on top
it. Yes, but they got on the top of it with of it. Yes, but they got on the top of it with
the heavy wagon which has been very much displaced by the lighter rigs. We are not to suppose either that they had crushed stone to deal with and they got on top of it with their bare eet. or rubber tires.
A few years ago crushed stone of a coarse
type was used freely on the roads in the vicinity the writer, and of course, the people using the oads, tried to avoid coming in contact with the in successian there where many places where the King's hichway was relegated to the ditch. rushed stone and fresh gravel are both eplendid getting it in shane is what is wrong. We are making good roads by a bad process. The heavy rond-roller mav be too ponderous
inr sume roads and too expensive for some localities, but that is not. saying that ready-to wear making is not to be side-tracked until it suits the big road-roller to come our way. Scientific road-
making will not stop short of a smooth surface ; making will not stop short of a smooth surface :
Bruce dob-a ready-to-wear road.
Binisher

## Did Your Silo Blow Down?

 A subsciber to "The Farmer's Advocate," any concrete silos heing blown down during the hurricane which visited Western Ontario on GoodFriday. Several stave silos went down before the eighty-mile gale. Have any of our readers
heard of a cement silo giving way before the

## THE DAIRY.

## Export Trade and Prices.

One of the disndvantages of contralized creamand the producer loseak personal cocal industries, manager of the plant, observed J. A. Ruddick, Dominion Dairy and Cold Storage Commissioner, in recent conversation with a member of "The explained, that all the makers at centralized plants lost contact with the patrons in this way, but there was a tendency to do so. business in Canada, and these new conditions must be met. It doesn't mean a decline necessarily. Home consumption is increasing, and prices have risen. United States producers have got more for their dairy products ever since they
lost the export trade. Domestic prices have ost the export trade. Domestic prices have
been maintained very often above an export. basis. At many factories convenient to shipping points, there will be a demand springing up for butter, cream, etc., and it will be worth considering the
chances thus arising. The new Government chances thus arising. The new Government
station at Finch, Ont., is. a combined cheese factory and creamery, and it lately received an attractive offer for cream two or three days a week, during hot weather, from the Ottawa City Dairy, which wishes to supplement its regular
supply on these days of special demand. This supply on these days of special demand. This opening to various factories.
weeks. The frrst milk or colostrum of the digestive organs, and if fed in stimallates quantition three or four times per day, the calf's stomach gradually assumes a warking capacity. After to feed, and at this period a gradual change from whole milk to skim milk should commence When the calf is between four and five weeks old,
it may be taking little of the whole milk and it may be taking little of the whole milk and
mostly skim milk. At this age grain should bo mostly shim milk. At this age grain should be
added to substitute the fat of the whole milk. A combination that has proven its value is one composed of nine parts oatmeal, or oatmeal siftings (ground oats with the hulls sifted out) and quantities at first and gradually increased until the calf is taking one-half pound per day, when it is two months old, in sixteen to eighteen pounds of skim milk. At the end of two and a half months three-quarters of a pound per day
in twenty pounds of skim milk, and at three and a half months one pound per day in twenty pounds of skim milk. After this age the skim milk should not be increased above twenty pounds unless the calf is unusually large and
growthy, when twenty-five will usually be the limit. The grain may be increased until the calf is taking one and a half pounds per day at calf is taking one and a half pounds per day at
five months, which will suffice until it is six months of age, when the grain will be changed the skim milk is taken off.
Other combinations of grain may be used, but
should possess the reavisite of beind easily digested and palatable. They should also be of a balanced nature to


On Good Terms.

## tion and their arole

## Raising Dairy Calves,

Editor "TThe Farmer's Advocate." :
The success of the dairy farmer depends, to no slight extent, upon the careful rearing of the heifer calf the possibility of a cow that will not only replace a discanded member of his herd, but help to raise the average production. By
properly choosing the sire and by carefully raising the calves, the dairyman who is compelled to start with a herd of ordinary yuality, may, within a few years, raise the average production of his herd to a marked extent. But, if careless the resulting herd will be of low producing quality. The dairy calf is almost always raised by hand, and, as a rule, on a ration argely made tions where the cream is sold and the sare equally as good as those nursed by the mothérs. The poor results which sometimes accompany skim milk feeding are due to faulty methorls and not because the cream, which has been taken out
is indespensable to the normal development of is incespensable The casein and albumin are the valuthe call. growth-making materials of the milk, and these still remain in skim milk. The fat or cream, removed by separation, can be substituted
in a cheap form by adding grains. As soon as the calf is dropped it should be removed from the mother unless it is of assis-
tance in allaying inflammation in the udder, when it might be allowed to remain for one or two
days. Start feedifig it eight to ten pounds of days. Start feeding it eight to ten pounds of
the mother's milk for the first ten days or two
old, a small quantity of whole oats and bran should be fed in equal quantities by welght. Gradually increase the quantity until the call is taking one pound per day at six months. After made up of one part corn meal, two parts orts and two parts bran. Feed one and a hall to two pounds per day until the calf is eight months
old, when the rough fodders will gradually mainold, when the
At three or four weeks of age the call usually as hay. If a small quantity is left within reach it will help litself at leisure, and will graduelly develop and strengthen the digestive system. When to the raur mess a call is on pasture. Besides adopting a reliable feeding system there are other considerations of importance to be noted before success is insured. Among the most prominent are cleanliness and regularity of re heir can so avoided if the stalls, mangers and pails are kent in a clean state. Also the milk should be fed in a sweet condition, and at recular hours each day. Then the question often arises as to whether it is advisable to feed two tems and results we find more devending on the permanent adoption of one system rather than any advantage existing in one over the other. The question of fall or soring catves is usually important. The calf dropped in the fall has the is forthcoming above his spring-horn brother. The disardvantages of winter feeding and cold weather are more than offset by the hot weather and trouble coming from flies. For the calf
ference whether the roughage be grass or hay. In fact less gain is often had from grass on ac-
count of the offsetting intluences of heat and flies. During the second six months grass usually gives the best results, and if all is taken into account the system of winter raising calves, or at least during the late winter and early spring months,
is of the most important consideration.
Dept. of Agri., P. E. I.
W. J. REID.

## POULTRY.

## Raising Geese.

Editor "The Farmer's Advocate."
Raising geese is one of the most neglected branches of thy pouitry business in New Bruns wick, and why it should be so is hard to tell, as they are more easily and cheaply raised than any other poultry on the farm.
Ten years ago a dressed goose usually sold at from firty cents to eighty cents, and now the supply is not equal to the demand at two dol-
lars to two dollars and a quarter each, and still lars to two dollars and a quarter each, and stil it is a lact hat there a less geese raised in this Province yearly, One farmer will say, say, "they noed too much running after as no fence will keep them, and besides 1 tried them one year and had no luck, I guess they are awfully hard to raise anyway," and so on.
have rased goass to be one of the man farming, and have found it to be one of the most proit-
able branches oi the poultry business, even years ago when the prices :or poultry were not half as good as at the prosent time. And the past five years the income from our geese has been unusualTV good. One year with another I have gener-
ally had good luck, and I have resolved to others how $T$ care for them summer and winter and perhaps it will help to serve this branch of tho poritry business, not only in New Brunswick but throughout Canada.
found the Embden, or a cross between the have den and the Chinese or African geese to be the best, as they are bardier, good layers, and their teathers are much superior to the Toulouse geese,
although they are not so large. But this does although they are not so large. But this does
not matter es they always sell by the piece nover by weight. I allow two females to each male bird in the mating season, and am always careful to have them unrelated, Those over one year old are the best for breeding purposes, from
that age up to twenty-five or thirty years.
One ladv, a meighbor of mine, kept a roose until ine was thirty-five years old, but she laid a very wall number of eggs each year the last five The best time to select breeding stock is in The goose should have are small short bill, maskenort. neck but rather deap through the body, also small legs and feet, and a coarse voice. The gander should have a long neck, larger feet and
lega and longer bill than the goose. The body
lem should be rather flat and he will carry himself proudiy. His voice should be sharp and shrill. During the winter a shed or pen with a little dry straw occassionally is all that is required, no
matter how cold. They should be fed only, matter how cold. They should be fed only twice of grain, vegetables or a small mash. About
the first of March an extra feed should be given. and they shourd be allowed to sun out at will all winter. The nests should be prepared in good usually lay every other day. If the first layings are small it is a good plan to set them under hens, and make the old gease lay again, which heese it is wise to put some papers setting the geese it is wise to put some papers on the floor
under the nests to guard against the cold, then place some horse manure or saw-dust, this will also make it warm and give the necessary moisnest, pit after shaping the nest, put on the straw and feathers that the goose
has piepared, selves and ran wiven the eggs a sew hour: later. Fh....
it when it when the
ed to

 will be for weens, the erve io matab, which slightly warmed wuter chaid, you car woty tell
what eggs have live Eusions iac thay wio soove from the nest. as they are ither coutcon t...ten goslings are dead. Be sure ting gh, to try the the two or three times in the water befors removing
them for bad ones. Atter they aire all done hatching, give each gosling a lithe s.e sect crearm place on the ground where the grass green as
they will not bear confinement, very long. If you have some hatched with hens, after the
youngsters are strong give them all to the goose she will welcome them, and they will all gladly leave the poor hen to go with her. They grow
much better and are less trouble. It is well to feed them for a while with a little corn-meal mixfeeding time the soak a couple or hours before feeding time, just a little is all that is required,
they will not eat muich. They can be turned out they-win not eat micich. They can be turned out
to pasture any time, a swampy place or a marsh to pasture any time, a swampy place or a marsh
is best. If fencing ia scarce, poultry netting is chear, don't hee atraid of of buying somene, it it is not
necessary to have it over three feet himh, and necessary to have it over three feet high, and
once pui up it is there for vears. If there is once puc up it is there for years. If there is
danger of foxes., or other wild animals, and the pasture is far from the house, it will be neces sary to have a house on it to enclose them at nights. After any crons that they are likely to damage, are gathered in in the fall, they should
be allowed free ranke, and if there is plenty be allowed freve ranue, and if there is plenty of
grain stubble, apples or half rotten potatoes laying around, nut fit for anything else, the peese will eat therriand fatten very quickly. If not enough of this kind of feed, carrots, turnips, or
in fact any focd can be thrown to them in fact any focd can be thrown to them, and
they will soon be reedy for market. The best time to sella is from the first of Demember till Christmas, to get the big prices. Feathers are aifways in great demand, and rance in price from old quese can to sixicty-five cents per pound. The summer and early fall. If anyone starting in to raise geese will follow the above method. using judrment as occasion requires, they will be woll repaid for the little time and trouble required.


Two Pets.
Buy your boy or girl a pair of geese next fall if you can't bother with them yourself, and let them
start in and learn from personal expecience the profit that can be derived from them.
inote.-Most of the geese sold POULTRMMAN. sold not by the piece but by the pound, the fairest way.-Editor. 1

Some Views on Turkeys.
Editor '"The Farmer's Advocate. McD. I may state
Replying in part to Mrs. A. hat I have had long and varied experience wath turkeys and have read scientific literature on
that topic with deep incerest for years. learned much and have much more to learn. I'll confess that my practice in rearing turkeys does mbibed, but I have made money my way That's all that's necessary," will be said. But Wish to be fair. I believe if 1 had the capital could make three times as much turkey-raising I he question how to raise them succossfuly comes dardless of the initial cost, or how to start turh "rraising with comparatively 'no outlay? Whar. $\frac{\text { subject requires its owin perculiar treat- }}{\text { I practice the latter. }}$ could cope with the former sitwiews Insiny and ultimately successfully regarding the honevend of the investment. To hegin with, , it it said th
ent to keep with a flock of twenty females
but it is starting a losing game to provide one male with two or three hens, though I seldom keep more than six or eight hens for breeders on account of accommodation. I never kill or sell the gobbler in the late spring as he keeps away
hawks and crows and often hovers an early brood while a hen $1 s$ sitting on her second hatch from which I make a small profit contrary to he advice of some printed instructions.) In fact, so much depends upon the disposition and stay-atkeep him for two or three years, a cood.tempered sensible (though some people will object to ' 'intel igent as apptied to turkevs), gobbler or his pro ing, in spye ad on prohbition against in-breedto get a tom unrelated to the flock if he one ought By all means do so, if you are raising for fancy prize stock, but I am raising for market. I seldom have a weak bird and in the last ten yoracious hogs running at numbers except from Twelve ygs runang at large.
urkeys had a tondency to wander the brown others, and 1 learned of a white Holland than or sale, so staid and decorous that he gave the neighbors no trouble, so I purchased him. It is
very unscientific to cross-bree very unscientific to cross-breef, but 1 got the
desired qualities, and our turkefs are truly handsome. They taste just af good as purebred poultry, but if I were raising breeders for sale or show purposes I'd never mix breeds.
Another thing I discovered
tain woman moved out of my when a ceralways scarina my turkeys, constantly sho was them and firting her apron at them, they stayed
 Turkeys are always moving, so what it they
call at the back door three times a day door pan of milk ? They won't stay five minutes, and if you don't want
them inside the fence, put their skim milk, butter-milk or clean water outside.
have clipped
I have clipped one wing to
keen thom from fiving keen tham from fiying
over fences, but if they are kept tame by kind treatinent they will stay within the confines of our own premises. rs put up a pole whee the turkeys are taught to regard as the limitit of their run, but mine are
more self-assertive than more self-assertive than
that.
They must have that. They must have to a hay field, wheat stubule, old orchards, atc. If the turkey-yard
be enclosed the same run hould not be used mu than two or three years
in succession. I
think hat will rem ove on ause of many droping off
W hen In itarted to learn turkey-raising pampered
chapped
a mmore than I do now. that I thinned from of young black-seed onions that 1 thinned from and gobbled them as 1 held the tray. The thrived as well last year and never tasted onions season twice one year I was ill during the each occasion 15 to 20 died. Why? ? ine maid who fed them, mixed their feed in a sloppy state and Eave them twice as much as they needed. Either mistake was enough to kill them. More turkeys are killed by over-feeding than any cther
cause. It is preferable to give them their dom and the mother instinct will provide the food rather than kiil them with ignorant over-doing I know a woman who them gorge themselves. I know a woman who clears a $\$ 100$ a year on
turkeys who insists on letting them "a eee what they may devour" on their 400-acre farm. what
She hunts them up occasionally, but declares she never feeds them. This plan certainly results in the "survival of the fittest." She sells them alive early in the fall. I derive so much enjoy-
ment from turkey-raising that. T could not endure that method, but I quote it merely to show that young turkeys are fed to death.
I have found that the ideal feed for the first wio ar three weeks of a turkey's life is a drip is made of coarse corn-meal salt, buttermilk and soda well baked ground-feed have sick turkeys. except those exposed to rain storms, (I rry them behind the stove and give thenra wee dose of sling,) or $I$ would mix the

APRIL 24, 1913
or cayenne in chilly weather. It may do no
good but it has done no harm. I often change the diet to waste. bread and crusts dipped minlk
and squeezed dry, but bread is expensive when you are counting cost. After three weeks of age
the young ones thrive well on cracked wheat once a day ${ }_{4}$ insects, milk, some apples or tomatoes and all the grass they can uat. Turkeys die when reared on the " intensive "plan. Close quarters
or constant confinement makes them unhealthy ; if one must shut them up in strawberry time, they must run out evenings, but woe to that
berry-patch if you don't herd them away from it! I never kept a hen over that had not a clear re-
collection of tine location of the berry-patch. Speaking of healthy birds, reminds me that
people buy the late birds or small birds for many pec, because they get them cheaper. What a foolish thing to do : Keep the largest, or at least the strongest, the most intelligent (if you
have observation enough to discern them by their have observation enough to discern them by their
mothering qualities) and the birds of best conformation ior breeders. Never keep a crooked-
breasted hen, for, while I think it is primarily caused by being crowded against the roost, or being crushed under the mother, some claim it is hereditary. I can cite cases where people inherit defects caused in their
infer that turkeys can.

To accommodate people who heard of our stay-at-home breed we have sold stock now and then, and I have known four to die after going to their new homes. Carelessness during transit, putting them under crater, shutting them up in cramped or damp quarters or lack of knowledge as to Ifaddist, or an Arab, with his fawn and white pets, would suggest that home-sickness could
affect turkeys, or would attribute affection to them. I have no success hatching turkeys' eggs under hens, though some claim they have with
Plymouth Rock adopted mothers. Half may hens pecked them to death. I do not mean turkeyhens.
Mrs. McD. asks about the treatment of ailing birds. Would it not be a good plan to wring nearest experimental station for information the the meantime killing and burying other afflicted ones to prevent contagion? A more economic or less busy person would edvise the isolation of
the affected birds. That would mean the purchase of more poultry fencing and gate, providing
shelter and loss of time nursing the invalids said time being more valuable to me than the
lives of several turkeys. These sick birds sellives of several turkeys. These sick birds seldom get strong and fat. I should not care to
eat them and it reduces the profits lamentably to huy bread for sick turkeys all the fall and perhaps lose them in the end, or lose the confidence
of one's customers by selling inferior poultry. In conclusion, I know of no stock for sale in
this country. I hope scoon to read the supposed cause of "spotted liver" in your educative
rince Edward Co., Ont

## HORTICULTURE.

## Western and Northern Apple Markets.

Fruit-growers in Ontario, British Columbia and Nova Scotia are all alike interested in the capacity of the market in Western Canada for apples, and from time to time estimates of varying degrees of accuracy have been made of the total Manitoba, Saskatchewan and Alberta. Last summer the Dominion fruit inspectors assigned to these three provinces were instructed to take their several districts and make a report to Ottawa at the end of the season. The total quantity of apples marketed in these, provinces for
the season of 1912 was approximately 495.000 barrels, of which Ontario supplied 238,000 , British Columibia 75,000, Nova Scotia 18,000 and
the United States 164,000. The exact quantity imported from the L'nted States was
by reference to the Canadian customs.
In addition \%o the prairie provinces there is a Ontario which will afford an outlet for increasing quantities of Untario apples. If we consider the balt district, etc., says Mr. Ruddick, we shall fud that 60,000 parrels is a conservative esti-
mate for the quantity of apples marketed in this mate for the quantity of apples marketed in this
section during the past season. The proportion of the above total supplied by the United States

A Valuable New Strawberry.
 no kind of fruit are there so many new
varieties introduced as of strawberries. I have
testaci the new varieties introduced in the last two de-
cades very few indced have been of excaptional merit. 1 doubt if any of them would measure up
to the old Wilson's Albany, as a shipper canner crepper, and all round berry. Probally ine the
Williams and intradus comes the nearest to it of any of those varieties that are recommended as very fine in
appearance and quality and so they are. But appearance and quality and so they are. But
when you pick the rows over about three times
they are done We used to good pickings from the old Wilson and Creicent aven when the weather was dry. However among
the new varieties, I have found one which I conthe new varieties, I have found one which I con-
sider is well worthy of trial by every grower of
stra strawberries. It is named the Three W's and is strawberry plants for sale. I would like to know if others who have tried it have, had the same experience with it as I have. If so, I be-
lieve it will prove one of the best introduced in lieve it will prove one of the best introduced in
inany years.
The plant is healthy, vigorous and exceptionally free from rust. The blossom is per-
fect, and the fruit carries its size well to the end of the season. Uniformity in size is one of its special qualities. The plant is hardy and stands ability to wilhstand drouth and heat, as its hehaviour in the exceptionally dry, hot season of
1911 amply proved 1911 amply proved.
Simcoe Co.,Ont.
G. C. CASton.

## In Restraint of Trade.

## Editor "The Farmer's Advocate.

Re the co-operative purchasing, of seeds, etc., I beg to say that for some few years Association, and St. Thomas branches particularly, have been with vome of their supplies, co-operatively other branches have also been buying in a small way. Three years ago the Ottawa branch by whence the Canadian seed dealers bought their supplies, elicited the information that we were paying excessively large pilofits to the dealers, and we decided to make a try at buying direct
ourselves. We had, though, no intentions of going extensively into this co-operative purchasing, We bought in Denmark a quantity of cauliflower, cabbage and root seed, and when it arrived we were surprised that the cauliflower seed:for which we had previously paid $\$ 2.00$ per ounce and up,
cost us, when bought direct. only 80 cents per ounce, and other lines were proportionately low. But the most important thing about it was that
the seed gave us a stronger germination, and the seed gave us a stronger germination, and
better crop than we had been getting before, in better crop than we had been ge
fact the finest crops we ever had.
We were encouraged to try again next season, but a few days after we had sent away our
orders, we were informed by a friend of mine orders, we were informed by a friend of mine
that we were not going to be able to get our
seed from these people that year. On inquiring the reason, we were told that the agent of the Dhe reas firm had called on some of the Canadian
dealers who had previously had our trade, but that he was ordered out of the stores, and told that as his firm had been selling to the growers, he could go and sell to the growers, as they to get the trade of these dealers again, he had got an agreement from his firm that
seed would be supplied to the growers.

- Last year we sent a few orders to a Germari firm and got the very highest yuality seed, at
prices similar to what we had paid the Danish firm, and this firm solicited our business again this season. On December 26th. I sent them a
large number of orders, and on February 2nd. large number of orders, and on $\begin{aligned} & \text { mebruary } 2 \text { nd. } \\ & \text { these orders were returned to }\end{aligned}$ Briggs Co., of Toronto, who requested the privilege of filling them, and in the same mail, I received a letter from 'the German frm an-
nouncing that they had sent our orders "to their nouncing that they had sent our orders 'to their
old and valued customers, the Steele Briggs Co. who bought annually, very large quantities of who bought annually, very rarge quant in to have them fill our orders. The President of the Steele Briggs Co. denied that they had interfered with
our purchasing from the German or the Danish our purchasing but I cannot understand, if this is true, why the orders were sent to them. Why , did the German firm not send the orders back to us, or to some oth Carly
from However, needless to say, we did not buy from However,
Steele Briggs, but sent our orders back to another
European firm, which has filled them.
- As a result of this mix up, the Ontario Vere-
table Growers' Association decided to discontable Growers Association decided to discon-
tinue buying from Canadian seed dealers, who
bousht seed in Germany aught seed in Germany at such prices, and sold
at such prices as below. Parsnip seed bought in Germany for 10 cents a pound, sold in Canada cents a pound, sold for carrots bought for 45 cents a pound, sold for $\$ 1.75$ a pound ; beets
bought at 88 cents a pound, soldi for $\$ 1.75$
caulifiower bought caulifilower bought for 62 cents per ounce, sold
for $\$ 2.35$ per oz.; cabbage bought for 75 . for $\$ 2.35$ per oz.; cabbage bought for 75 cents Association accordingly decided that they had as good a right to buy wholesale as had the deal-
ers, and accordingly appointed a purchasing agent, who will visit the large seed a prowers, and buy the requirements of the members direct from the producers, thus saving very large profit
made by the dealers. This co-operative purchas ing will spread to the buying of spray materials, fertilizers, berry boxes, fruit baskets, boxes twine, etc. Arrangements have already been
made for the supply of many unes for the made for the supply of many unes for the spring save many thousands of dollars, as well as getting fresher and better seed, purer and truer to name. Since his appointment the purchasing agent, has been flooded with applications for trad interested.
Carleton Co., Ont.


## FARM BULLETIN.

## A Little Work, Play and Sleep.

You have a short editorial in last week's issu o' yer paper that agrees wi' my ideas $o^{\prime}$ the sulb ject sae weel that I canna' but tell ye aboot it an'at the same lime pit, in a word or twa o' ma
ain juist by the way o' emphasis. What ye had tae say was aboot limiting the length o" the day'a work on the farm, an when re say that the mon wha tries to dae mair than a reasonable amount o' labor in a given time is defeating his ain pur-
posa, ye're telling the truth for aince, I kan pose, ye're telling the truth for alince. aboot thio barns wi' a lantern aifter decent people are in their beds, an' wha keep this habit up year in an' year oot, an' wha are sae far frae bein' ahead
wi' their work that they are generally finishin' wi their work that they are generally finishim
up their spring seedin' when their neibors ase thinking oi gettin' ready toe begin the haying. an' then they will be hayin' and harvertin' till the snow flies in the fall. It's the auld law o compensation at wark again. Gin ye drive
horse too hard to-day he'll hang back in horse too hard to-day he'll hang backing the end. An' wi' mon himsel' it's worse, his mind gets tired, as weel as his body an gots inlae a condition where he can neither plan it's no' the farmer himsel' that I'm sae muckle in-
 rious that we heed tae giie them mair than an oecasional warnin' aboot overwark an' sae on, It's the farmer's wife I'll be thinkin' mair aboot when maan on the farm, whether she be the sister or daughter or wife ' $O^{\prime}$ the owner 0 ' the ranch, is, in nine cases oot $0^{\prime}$ ten, the one that kens mair aboot wark afore daylicht an' aifter dark than onybody, else. An' moist o' the time they will
be takin' for granted that it's na mair tham their duty tae keep goin' as lang as they can pit ane foot ahead ó the ither, an' the auld chap generally seems tae take it for granted too.
Noo there's no kind $o^{\prime}$ need for this way o. ivin' among the inhabitants o this fairiy civilthe better Yor us anil for those that will be rumnin' things aifter we hae moved on tae the next station. I hae read some place or ither that the day should be divided intae three equal pairts, eight oors for wark, eight oors for sleep, an'
eight oors for play. Gin we use the word " recreation" instead o, "play," I'm thinkin' it will sound mair reasonable tae some $o^{\prime}$ us auld chaps that are gettin' a wee bit stiff in the joints, an' it will inciude too, a guid mony things that Noo in the first place comes "work," we a" will that ony able-bodied mon or wumman that humanity are a nuisance tae society an' shoull le classed wi' sheep-ticks, potato-bugs an' sic like things that live off the labor of ithers. Tu my way o' thinkin, wark is aboot the only thing puttin' in the time that I ken aboot, an' gin ye dae it weel, ye get an amount of satisfaction frae it that ye will na' get frae onything else. But it's like mony anither thing, ye may get mair ó it than is guid for ye. It's richt here that yo
should mak'use o' what common sense ye doubt. ess hae, and draw the line where the stoppingless hae, and draw the line where the stopping-
place ought tae be. Enough's enough, an' yeil
et no credit in the end for daein' onything raair
Then the next eight oors was to be for
sleep." It seems to be enough for ony mon or wamman, but I guess na doot we need that mor wumman, but I guess na doot we need
gin we did the fair thing by the wark.
An'last there's the eight oors for "recreation," Here's where a whole lot $0^{\prime}$ us miss oor oppor tunities, an' when we fail to get oot $o^{\prime}$ life the
best $0^{\circ}$. what it has tae offer us, what guid is it best a what it has tae offer us, what guid is it
tae a body tae be born intae this world, an' grow intae youth an' manhood an' auld age wi' no
ither idea in his mind but tae wark sae ihat may eat and then eat an' sleep sae that he may wark. It was expected that we would develop our this by getin' awa' frae physical toil only dae
 thoughts $0^{\circ}$ some better thinker than oorselves. How can we expect tae ken the best line or action tae follow oot, gin we dinna tak time tae think
eboot it. It's what we are an' no what we hae aboot it. It's what we 'are an' no' what we hae
that will stick tae us when we pet oor orders at the last, an' l'm thinking it or up to us us tae see that we dinna' hae to tak' the trip empty-
handed.
Noo it was for the ladies that I intended tae preach the day, but Trin thinkin' I hae run a wwe
bit off the track. Gin there's ony person in the warld that needs the eight oors recreation it's the tarmer's wife, or ony wumman that has to dae what generally falls tae her share in 'the farmwork, Maist $0^{\circ}$ them hae got the habit $\mathrm{o}^{\prime}$ slav-
in at one thing or anither from the tline they git up in the mornin' until they go to bed at will. They dinna quit when it comes dark, but
will bewin' or knittin' or darnin' till the last minut
There's one way ye can always mak' a wumman mad, an that is tae tell her that gin she Wi' wark. Noor I ken weet that there's some
thing that in the things that in the nature wee things there's some be done Jka day, but at the same time there's
 scrubbin'-brush. An' generally ye can tell the place oo this kind by the worally ye can look oll a
wumman hersel. or that hersel. I ken $\mathrm{o}^{\text {o }}$ one young hoose-keepthree times in four mionths, an' tae the casual observer things didna look muckle different at
the she than they did at the end than they did at the beginning.
will take a pairt mak's up her mind that she creation" an' that she will not mak' machine or a knittin'-machine oot $0^{\prime}$ hersashin can generally accomplish it I'm thinkin.
soon cor men soon come to tak' a wumman's line o $o^{\prime}$ action for
granted an $n^{\prime}$ gin she works $a^{\circ}$ the time they winna granted $\mathrm{an}^{\prime}$ gin she works a. the time they winna
be satisfied wi' onything else in the cour tew weeks. But let her haie her time or duties aboot the hoose and her time for puttin on a decent dress an' takin a wee spare from
 muckle pay as if she wore her finger-nails of malk in money for the auld mon. It can be done, this gettin' awa frae business, for $I^{\prime}$ 've seen it
tried. $I^{\prime} \mathrm{m}$ no ${ }^{\text {a }}$ goin' to say that it was tae guid management, buit it was done some way or ither, ${ }^{\text {and }}$, the wimmen wha did it were guid
hoose-keeng the men that were lucky enough tae marry them. cumman chances for a happy life for a mon or a airth, gin they pay on the farm as onywhere on law and avoid extremes. Gaein' too far in eithe brection brings us tae no end, $o^{\prime}$ trouble. A wee
$o^{\circ}$ wark an a wee bit $0^{\prime}$, the richt proportions an' taken ilka, day, is the
best medicine tae insur an' it's not a patent medicine either. Yappy life,
aye mix it yoursel'

Good Cheer and Helpfuss


## Spare the Birds.

In looking over the interesting pages of " The Farmer's Advocate," I came across a well-written article, by A. R. Johnston, of Essex CC., Ont.,
on "Preservation of Quail," and I wondered why on "Preservation of Quail," and I wondered why
more people do not rive this very important more people do not give this very important should the quail be preserved, but all our beanti ful and grand songsters as well as weed-destroy ers should have man's kindest and most gentle attention, for they are his close friends. But alas! what do we see?-young men and older ones,
also, who through lack of thought, more the anything else, take their guns and dogs und away they go to the bush, destroving the innocent ittle red squirrels or the woodpeckers, or in fact any living thing to be seen is shot for the mere woods which used to ring with bird that these becoming quiet and lonesome?
How grand it is to you who have a feeling for birds, to have the harsh "caw" of the crow in the bright March morning, or the dreamy call of it may be the sound of the snipe in the growing dusk, as he fies about through the air, unseen we fall astleep and also The birds are our cheer as ing. Can we, do you think wary well do without nem
or course, there are one or two destructive the destructive and that only. Why not let the robin eat a ferv cherries, does he not easily repay as by eating insects, etc? The kingbird, considbeneficial than otherwise. Owls eat mice rats and other destructive creatures; woodpeckers keep the trees free, to a certain extent, of various
worms, and quails, etc., devour the weed-seeds that we all so much dread. Why then turn upon Apart from man, hirds have to contend with cats, storms, weasels, skunks, etc., and many ara in this way destroyed annually. A good method to cats' visits, is to is the tree trunk, and thus hinder the aut from climbing and devouring the contents of the nest. Mnny people also erect bird houses an their pre-
mises, mises, or feed birds in the cold weather. Indeed, ered friends to wist ad they will us, for our so-called trouble.
will find sure if wa mpke a study of the birds we exercising thoun wonderful creatures, capable of fight and building that we could mall things in uce Co., Ont $\qquad$ FARMER'S SON Sonder at

## The Old-fashioned Local Fair

## Editor '"The Farmer's Advocat

Since reading Mr. McArthur's article on tall airs of long ago I could not get rid of the suldays, and I saw thoughts but write them down. ${ }^{\text {I }}$ I was of my from the time I first remember anything to think of the little fairs of long ago as among the ble Sunday school picnic My in importance our England in the time of the lithe came from and the blazed trails, he brought with him wonderful amount of ambition to become a great stock farmer and mighty little hard cash to build
it up with, only Enylish arm, but every spring the family saved denyin thenselves that he might send those precing dollars down to some Eastern dealer for a fing young cotswold lamb to improve his already fine childish fancy, a small fortune what was to my childish fancy, a small fortune, and sent for a
heautiful Shorthorn heifer in those prices father paid was considered extravagant by
his neighbors. But when fall came wourd see those beautiful lambs, home and we for the fair in gather would begin to get ready horns would hiave to be brushed till their Short would shine like silk, thov were always kept trin but this was extra. That fock of shepp must have an extra allowance of oats so no one could
stand a chance of beating him. We children would have felt badly had he been beaten would were very sure there was no better in fanad But competition did not stop with father Mother must do her share. Like father she
planned in the spring by sowing choice seeds early so as to have perfect blossoms in in the
fall. such fine pansies Such beautiful bouguets of mixed flowers, combs er everlasting flowers were a wonder to and o matter how never bothered vo raise a flower. Nwiss find time to look wafter her fiowers, but
and also her beautiful prints. How they were made was only known to the intimate few, and they looked more like great golden ohrysian-
themums than anything I. could vell you. Them gan days before the fair, what a hurrying befill the pantry. Father would kill a lamb, tor were not all his old friends from far and near coming to spend a fow happy days with us ? for wo children would be busy picking fowl, locking up the house and getting away as soon as possible for fear someone came for dinner, a 1 know some people do now, and then the morning of the fair whe the boys had taken the
stock, and we, in all the finery we could muther tock, and we, in all the finery we could muster,
were in the grand new democrat with half the neighbors' children included, no four tickets and member's ticket. In those days every body wa your family that was with you. How proud you felt as you sneaked around among the ex
hibits and saw how many red tickets you on your things, and at night when you wan home very tired and happy, father and mothe gave you all the tickets and you nailed them somewhere in sight in the granary,
tair. Who soys it was not the give me the small has had much to do with the large one? whic There we meet old friends and make new ones. It is there we taik over the days of the past and plans of the future. The large fairs are very
enlighteniug but not home-like. How many friend do you meet in a crowd of a hundred thousan Can you wonder I must do my little share at ou own little fair brought up on a diet of fair I am trying to bring up my children on the sam principle, for therein lie great possibilities.
Essex Co., Ont. WOMAN FARMER.

## "The Young Canadian Yeomanry.

$\qquad$
The slogan "back to the farm" has failed to stop the procession of boys and girls from farm cations of the public school programme to meet rural conditions have failed. Every device which has been tried has failed, and the procession stil goes on, and the problem on maintaining a proper bulance between rura
comes more comple
The future well-being of Canada demands that a solution for this problem be found. Before remedy can be found the causes of the rush to these causes are forces of urban life, the other, the repelling forcoa The last thirty years has been a period of
marked industrial change and developmant. It has been a period of great material prosperity The work which was formerly done by the hand
of the skilled workman is now largely done highly specialized and more or less doutomatio machinery. Little skill or strength is required to operate these machines. A very large number ed in charge mar ed in charge of
rural districts.
The ranid The rapid development of trade demands large office staff. The introduction af the tele Canada's treat industr, alfords many openings. requires a very large number of brizht young people is the various departments of labor To supply these bright young people is a good drain Very little preparation is needed to fit'a bright, active, intelligent farm boy or girl for many of these positions. A few months' attend diploma or other tangible guairantee of training.
The large financial 1arge manufacturing, transportation, for help. They are oncering are calling loudly the boy or girl to dress fairly well pay enables and have a small amount for amusement. In these urban centres there are many organizations at a social, Interary, religious, musical, and young people and theme of these appeal to the friends. They have regular hours of labor and considerable leisure time. They feel a certain amount of pride in being connected with some a very importtough their position may not be On nearly every Canadian farm where the able occupation their children like life ho the farm until they are influenced against rural life ever, the parents create a feeling of homes, howEpeak disparacincly of of their children. They loudly in praise of of rural life. They speak
city. who have gone to the their own childronget however, to speak well of intelligent and industrious as their clever, bright intelligent and industrious as their city friends
of the boys and tha girls on the farm is the
atrongest repelling force in the rural communitries.
It is not likely that the attractions of tow and city life will be lessened. It is not desirable that they should be. conditions should be changed over, that rural conditions should be changed. A greater pride in rural life and rural occupations Aust be created. The farmer must receive a larger share of the price the consumer pays or the farm product. Farm operations must tiable employment. The fermers must be trainod in methods of organization and co-operation so that they can corapete successfully with the organized interests with which they do vusiness. The formation of a national organization
which might be called "The Young Canadian Weomanry ", could be made a big factor in bringabout the required changes in rural life. Such an organization would stimulate the imagination
and ambition of the boys and girls!. It would and ambition of the boys and girls'. It would arouse public interest in and permit of proper
recognition of their efforts in sehool studies in farm operations and in special agricultural knowlerige. It would give them early training in organization and co-operation. It would admit of ample means of competition in any department of rural activity. It would unite more closely boys and girls back to school during the winter months several years longer than at present.
The details of the organization would require too much space, but the following brief outline ives an idea of its character and scope.
the Alerts, the Brawnies and the Stalwarts, the Alerts, the Brawnies and the Stalwarts. bright, active, wide-awake farm lads of ten or twelve years who would qualify under the follow-
ing headings, viz., school studies, farm work ,and special agricultural knowledge. The Brawnies would represent the lads who are just beginning to feel the strength and cour-
age of young manhood and who have qualified for Alerts. To qualify for Brawnie standing school studies, in farm and wider knowledge in agricultural knowledge.
The Stalwarts would include the young men who are just beginning to take an active part in directing farm operations. This grade would
be open to any Brawnie who would qualify with the highest requirements under the same headings as the Alerts and Brawnies.
The public schools 'would give all the' educaition
necessary under the first heading. The farm aecessary under the first heading. The farm farm operations. The agricultural knowledge would be given by the schools, which are being improved in this part of the work, by specially prepared leafl
plement these plement these
A suitable

A suitable badge or pin would be given to as Alert, Brawnie of Stalwart. qualifying either natty suit to be worn on suitable occassion would be selected. That the boys might make creditable appearance on syecial occassions they would require enough drill to enable them to Kent Co., Ont.
$\begin{aligned} & \text { K. }\end{aligned}$ J. H. SMITH, I.P.S

## Prince Edward Island Notes

Editor "The Farmer's Advocate." :
At this writing, April 12th, it is looking very spring-like. The snow has all gone long. since, rain-fall since the first of March has been unusuall heavy and the country roads have suffered terribl wash-outs that are almost impassable. Many of fields in the hilly parts of the country are considerably torn up with the freshets.
It looks now as if the clover had wintere
safely and is past the danger perion safely and is past the danger period.
April 8th. Much earlier than been rual. Considerable produce is already
prices are good for all farm products, except potatons, which are very low. Carcass pork has
been selling for 12 c. , the highest price ever here. There seenas to be a scarcity of little paig which are selling for about double former prices Fat cattle are selling for 7c. per pound for the best. There is a brisk demand for horses, and large numbers are being shipped.
The Horse Show. held in Charlottetown, last
month, was a grand success. The exhibits were mumerous and of high quality in both the heave and light classes.
Everything is receiving more attention from
the Government than formerly. The authorities have come to a recognition of the fact that the prity for our agricultural industry means pros pepartment of Agriculture, are doing their bes
t) help and encourage the farmers. A new de
parture here, is the establishing of Women's Inbeen employed by our Provincial Department of Agriculture to work up the matter and has already spent a month holding meetings all over the Island in the interests of Women's Institutes our farmers' wives and daughters organized, and thr farmers' wives and daughters are quite en
thusiatic over this new departure, which wo lieve, will be a power in popularizing agriculture and making farm-life more attractive to all of our
The proposed new American tariff on farm proand they are looking for larger and more feeling able markets from the large free list that the democrats are substituting for high protection in

## The Maritime Horse Show.

## Editor "The Farmer's Advocate

The fourth Maritime Horse Show, held at Amherst, April 9th, 10th, and 11th was an great sucroads not so very bad. The attendance, both from city and country, was considerably larger quality of the exhibits showed. fimprovement while in quite a number the first prizes went to the same horses which won last year, thus show ing in superior to the old stock. The exhibit were brought into the ring in rather better con dition than usual, and as an interesting an pleasing entertainment this show would be hard to improve upon. The Maritime Provinces are as it encourages and stimulates the importation and breeding of a better class of horses, making horse-breeding much more profitable.
Judging began on Wednesday afternoon, the first class called being Standard-bred mares with Sur entries. "Dina Hartshorn" owned by D. R
Sutherland of Pictou, was an outstanding win ner with "Helen Gracie" owned by F. S. Locke Amherst, second and "Lady Buzz Fuzz" owned by
Cecil Coats, Nappan, 3rd and Mr. McMonagle, of Cecil Coats, Nappan, 3rd and Mr. McMonagle, of The class for the special

recently issued United States bulletin, prepared The Geo. K. Holmes, of the Bureau of Statistics. ber of cold-storagle warehousés situated in all parts of the country and the commodities represented are fresh beef, mutton and pork, dressed

AVERAGE LENGTH OF STORAGE
the year heginning May, 1909, was kept there on the average for 2.28 months; the fresh mutton 4.45 months; the fresh pork 0.88 of 1 month : and the butter 4.43 months. The dressed poultry received during the year beginning March, 1909,
was kept on the average 2.42 months ; the eggi

For of storage ongth of time in coldstorage, as ascortald the actual costs of storage are : For fresh
beef, 0.997 of 1 cent per pound ; fresh cent
ton, 1.564 cents $v e r$ poo und cents per fresh pork,
0.350 of 1 cent pel r pound; for drestsed poultry, 1.079 cents ${ }_{2}$ per pound ; for butter; for eg.
FRACTION OF PRODUCTION STORED The investigation endeavors to arrive at clusions with regard to the percentage of the storage during the that enters into coldestimates and computations make it appear that 8.I per cent of a year's production of fresh beef? commercial slauighter goes into cold storage ; 4.1 per cent of the commercial slaughter, of mutton pork. Of the farm and factory production of lutter during the year, 9.6 per cent goes into cold-storage, and of the farm and non-farm production of eggs, 15 per cent.

VALIE OF COMMODITTES STORED
The wholesale value of the fresh beef received
into cold storage is estimated to be $\$ 15,000,000$; it the storage is estimated to be $\$ 10,000,000$, or $1,600,000$; of the resh or 0,010 and of the eggs $\$ 4.00,00$. The total whole lld prices of the year ending October, 1911 .

## At Home.

by Peter Moarthur. Llل」||||| The orchard bas been given its first dose of iajurious pest on the farm is at preact and its nose and hoping that the wind will change. I non't blame them for holding their noses. Had
it not been that handling the nozzles require the use of both hands I would have held ray nose
nuysell, for there are times when the limesulpur mixture gives off an odor that is sufficiently like that of rotten eggs, to deceive even an experienced nose. This is really the first time that I have the wagon and watched Professor Clement and Mr. Buchanan do the work. It looked really harder than 1 found it myself. The wind was just right. In fact it was not a wind at'all but cat the tops of the trees when pruning them we year it was only in a few cases that we found it ecoessary to do the spraying from a wagon. remember that last summer some neighbors who visited the orchard thought that spraying was too
scientific a job for an ordinary farmer to but I fail to see that it is a bit more scientific than cleaning out the stables, when once you get at it. And there is another difference this year, As a popular song says, "Everybody's Doing it.";
A neglected orchard is getting to be a rare sight In this part of the country. Mr. Whale has siven a series of demounstrations, two Whale has
ers' associations have been organized and growers' associations have been organized and the out-
look for the apple industry in this district is encouraging. If we get a stand of fruit this year I hope to investigate the possibilities
box-packing, for $I$ am inclined to believe boxes will supersede barrels in the apple trade before many years have passed.

After getting back on the farm and settling Ottawa and Ekkrid are on the same mape that tawa seems very far away, and the matters that Here of interest there are almost incredibe out It may amuse you to genow that thave ditiscovip past couple of weers. In Of ottititics during the
representatives a thoroughly representatives a thoroughly genawal, I foound our
class of mentured mittee reoms, or walked assembled in the comcorridors, it seemed impossible that these phe ant gentlemen had any important differences of opinion about anything. Honestly wher you saw bers of one party from the members of the metherNor could yourdy friscom the members of line of party cleaver ! by their attitude in the Banking Committee,
though I had my eves open though 1 had my eyes open all the time. In fact etter meeting them and having a good time wich
them my attitude towards our representatives is much the same as that of the man who declined to have anything to say about the future state because he had friends in both places. And when they talked politics it was of a different kind stead of talking about what this ore. Inparty wanted or intended to do they talked about the attitude of the railroads and the banks and Sir Jingo McBore, and Sir Philabeg MeSpor-
ran towards the various questions cupying the attention of the the parliament. They
seemed to be profone seemed to be profoundly worried abliament. The the pro
bable course of these hic iuterests an to bate should turn either in one way or the other yons very forcibly impressed by the fact that be
yond above parliament there is another power, the power of big business, that must ther powis a sort of higher pon witics in legislation. There (V) of us would helieve even if it were explainat few us.

Th Toronto, I found another kind of politics. The men assembled were all in their cluals or conservatives.
tincthout any disas if they depended on the politics of the State to which they gave their allegiance. Their polipapers, and sounded very profound and aut newspapers, and sounded very profound and authorita-
tive. When in Toronte, 1 could almost find it in my heart to be a party man myself, but
didn't ould favor. TWhen 1 got decide which party ig interests, or the Liberard n Liberals and Core anout the verybody was either a Grit or a Tory and he opinions that were iron-bound and copper When poditical questlons were heing and front. When political questipns we was in no uncertainn tones, and anld be heard at a distance of of excitement always get hoarse when I'try to talk loudly 1
ho not take part in any of the discussions even though the matters of State were being settled home and got ready to spray the orchard.


Now just a word about the Bank Act. I a amusement I am voing to seot down but for your uation looks to me in the light of the three kind less polities in which I have seen it set forth. Unnecessary to presure of the naval question makes postponed and to the revision of the Bank Ac tended for another year, the Act that is now ex ore Parliament will probably go through subthrough as it stands. Moreover, it will not go chrough as a strictly party measure. There are many ridings where feeling against the present
banking system runs high, and the represent of the people from these ridings will be compel ed by local pressure to vote against the act. It it should be found that this might endanger good majority quite a number of rembers of the In fact, if the interests involved can have their way they will probably have the vote so split up that the revised Bank Act will look to be almost non-partisan. This piece of legislation belongs to the higher sphere of politics which may
be called business politics as distinguisel party politics. I i have already given this from planation to friends who have asked for my viems and when they asked further how I felt about it after having argued so much for a different kind
of act, I could find nothinc of act, I could find nothing to say beyond the old
catch word "go it while you're young," Ther, a day corming "go it while you're young." There's
straighten all these things will be straightened out and I all these things will be
however however, the present charters are extended for
another year and the paople another year and the people of the country be-
come sufficiently alive come sufficiently alive to their own interests
bring the necessary pressure to bear on their presentativecsessary pressure to bear on their re-
But event may be entirely different. But even as matters stand, no one who is interested should neglect to get in touch with his
representative on the question. If it it in representative on the question. If it is not to
be entirely a party measure the vote of y presentative will count whichever party he belongs
to


## Grain Yields and Holdings.

 According to reports made by correspondents and Canh, 02 per cent of last year's wheat crop in 183,611,000 bushels out of the otal estimated production of $199,236,000$ bushele proved to be merchantable quality. In the Martime provinces, Qnebec and Ontario the proportions were smailer than this, but in the three Northwest provinces of Manitoba, Saskatchewan and uced there the bulk of the wheat crop is prowas, in each case, about 93 .It is estimated that about 22 per cent of the total wheat crop in Canada, viz., $44,668,000$ bushels remained in farmer's hands on March 81 as compared with 27 per cent representing 58 ,. 129,000 bushels of the crop of 1911 which remaind in farmer's hands on March 31, 1912.
Oats, the estimated yield of-which was last year 361,733,000 bushels, was of merchantable 10 , the cent, or 328,488 , ers' hands was 44 quanty remaining in farmbushels as compared with last year's figures 89 per cent merchantable, or $310,074,000$ bushels, and 44.18 per cent or $153,846,000$ bushels in Ors hands on March 31, 1912.
is estimated that 877 per $44,014,000$ bushelo bushels were of manchantable cent, or 38,299,000 35 per cent, or $15,404,000$, and tha the hands of farmers at the end of March. The corresponding figures for last year were 90.26 per 32.56 per , 13 bushels merchantable, and hands on March 31, 1912. The bulk in farmers ley crop is produced in Ontario and Manitoba In the former province $12,001,000$ bushels, or 81 ${ }^{\text {por }}$ cent, and in the latter 13,416,00 bushels, or per cent was of merchantable quality.
6 per cent of the total crop per cent, of flaxseed 89 per cent, of pottotees 78 per cent, of turnips and other roots 90 per cent, and of hay and clover 81 per cent. The quantities on hand on March 31, were: Corn 3,969,
000 bushels, flaxseed $5.803,000$ bushels $35,097,000$, liaxseed bushels, $\quad 803,000$ bushels, potatoe $18,884,000$ bushels, and hay and clover $3,444,000$ 18,88
tons.
As
their average condition stock wintered well and in a percentage of 100 , rer all Canada expressec in a percentage of 100 , representing a healthy and
thrifty state was for horses 95, milch cows 98 other cattle 91 , sheep 95 and swine 94 . In the Maritime provinces, Quebec and Ontario, the adundance stock came well through descriptions of farm live vinces live stuck did well on the whole ; but in many localities cattle suffered through the lack of prairie hay, which was spoiled by last year's were attributed to thy deaths among young pigs winter proved long cold farrowing season. The saskatchewan, but was unusually mild and open ,

Prof. W. J. Kennedy, in charge of the Iowa
itate College, Acriculural State College, Agricultural Lxtension Department,
urges that Iowa needs a State-wide system of urges that Iowa needs a State-wide system
farmers' clubs, with sav, twelve families to unit. Such a system, he believes, would furnish as the question of increasing crop production, maintenance of soil fertility, securing of better
miethods of crops, improvement of rural scho marketing of building of rural churches. The necessary organization, he contends very truly, must be more or
less volunteer as forced methods will not succeed

Some interesting tests, showing the per cent of moisture in corn, were made at a Western Ohio
corn show held the middle of February. An ear been kept all that time in dry 'places, showed a that had been picked for seed and stored on air on all cides with where it had a circulation of out, showed 20 per cent of moisture for drying slots of the tests where somewhat surprising to
those attending the show.

A ministerial order has beeñ passed that du day of priod of three months from the sixteenth day of April the importation or introduction
into Canada of any hay, straw, fodder, foodnental Europe is prohibited.

Some Seed Problems.
Highiprived geed is not a good thing for the
ountry generally. Those who have seed to sell country generally, Those who have seed to sell
got scmin proft, and it may stimulate some disgot som, proat, and in may stimulate some di
tricts, which could grow their own seed, to to
On the whole, however, hiph-priced great drawbeck as many farmers foel they can-
not afford to seed down half the land they not afford to seed down half the land they would
like, and then it encourages the traffic in lower grades of seed and often very impure seed. Exgrades of seed and otten very impure seed. Ex-
perience in the seed inspection work this year gives abundant evidence. Seed dealers are carry-
ing light stocks. Timothy seed, as every ing light stocks. Timothy seed, as every one tnows, was abnormally high last, year. For in-
stance, one dealer said he had paid $\$ 13.00$ a sear ago for a bag of timothy seed from a farmyear ago for a bag or timothy seed from a farm-
or which he sold this spring for $\$ 3.50$. This was the experience or a number of dealers who held
timothy seed over. timothy seed over. Those who held any clover
eeed fared much better, as prices for clover have seed fared much better, as prices for clover have
advanced somewhat over last year's prices. During the last season the hay crop was a good one, and a large percentage of farners kept
sough timothy to supply their own needs, and many of them grew a considerable quantity for it could be made legally salable if only proper screens were used in cleaning it for marker. Many samples have been turned down when sent
to the seed branch for annlysis, when they were to the seed branch for analysis, when they were
comparatively or entirely free of noxious weed seeds, but contained more than 400 seeds per
ounce of such seeds as pale plantain, sheep sorreel, wormseed mustard and cinquafoil. Aheap
these weed seeds are smaller than timothy and by using a screen 28 by 28 or 30 by 30 nearly all these weed seeds would be taken out.
These screens may be seen and tested at the These screens may be seen and tested at the
offices of many of the District Representatives in agriculture, and eventually may be seen in all of
them. Other screens for cleaning seat clover and alsike seeds may allo. be seen. It is to be regretted that so many farm-
ers are still at the mercy of the seed dealers that they do not examine the seed for the selves and many of them, if they did, would be none the wiser-but take the salesman's word for
it that it is O . K., when very few of those it that it is $\mathbf{O}$. K., when very few of those
handling seed know what the in the way of weed-seed impurities. To sell ooncrete way of instance. II reecently visited the store of a man who has been handling seeds most of his life, in a seed-producing district, where
he has bought and sold seed to the wholesale he has bought and sold seed to the wholesale
trade, and was supposed to set aside some of the best lots for retail:
He supposed he had $a$ gilt-edged lot of alsike that he was offering to Yarmers whose seed he protably expected to buy.
The seed looked well, but the analysis revealed the presence of about 580 catchaly seeds to the might cite. It is the credit the seed merchants that It is to the credit of the seed merchants that
they are living up very closely to the law in the grading and marking of their seeds. Fven the lower grades are comparatively free from noxious
weed seeds weed seeds. They are low grades more because
they are mixed seed, off in color, and very uneven in size.
A good many seed dealers are very careful,
too, of what they sell when locally grown. They get reports on their Samples and label the goods
accordingly. It occasionally hapens, however, that what they are selling doesn't conform 'to the sample they have and the test they have obtained from the Seed Branch at Ottawa.
There have been some cases of that kind discovered this spring, and no doubt some prosecu-
tions are bound to follow Some of the irregutions are bound to follow. Some of the irregu-
larities are the aftermark of high-priced seds.
Another evil that prevails more than usual this

THE FARMER'S ADVOCATE. year is the selling of seed by one farmer to an-
other without either sin many other without either, iu many cases, knowing
what the seed con on it would reveal somtains. An analysis of some of
buyer buyer. To illustrate : I I examined a quantity of
seed which seed which was grown year befored last on a a farm,
and this seed had been used hack year ago last spring. Easily 10 per cent. a lady's thumb or be weed seeds, mostly foxtail, the seed had an impression that it was pretty re-
spectable seed. spyectable seed.
vices of the Seed avail themselves of the sertested free the Seed Branch to have their seeds tested free of charge when they offer any for sale
to their neighbors or to local seed dey retail it out for seeding purposes. Anyone is
liable to liable to a fine for selling in this way a lower
grade of seed than No. 3 which grade of seed than No. 3, which allows the sale
of no less that 400 weed seeds per ounce which figures out no less than st ounce of weed seeds 80 per cent. Surely this is license enough when of red clover seed, if of local growth should be sown this year to ensure a good stand as much
of the seed is of Iow vitality. When, with good
sead sed, by applying 11 pounds clover seed to the
sere acre there will be only one plant to about 25
square inches, it will be seen that 15 pounds of Ontario-grown seed per acre will be none too
much to sow this season.

## The Little Red Schoolhouse.

"Spring is coming, spring is coming,
For the swallows tell me so."
How quickly the seasons fly away. Before we
realize it winter ts to Now, I would like to ask my brother farmers is it not possible for us, each in his own locality,
to do something that will help the little schoolhouse to a broader and better influence ? Germany was in despair, when the ruter of semed to be going to the wall, how the " "wise man" came to him and told him, what you want your nation, to be, put the idea in your schools, and her goods forced their wer technical markets of the world, the brand ' 'made in thermany" coming to be known as a guarantee of excellence.
Germany
Germany started universal military training a great military power
Ontario, with as great agricultural resources as any state or province in the world,, has, instead of educating her young people et dovelop
her resources systematically tavght them to tur her resources systematically, taught them to turn
their backs on farm life and flock in crowds to the cities. The public schools for a third of a century have seemed to have only one aim, get
the pupils to pass the entrance, and get them the pupils to pass the entrance, and get them
out of and away from the public schools. We see the result to-dav. During the last ten years rural parts of old Ontario have lost 100,0 on or
their' population. - Surely there must be something seriously wrong, when excellent farms. cleared with' so much toil hv our forefathers, are being deserted by the hundreds and used as
cattle runs, while our boys and pirls crowd the cities.
lecturers the government sends out institute lecturers and Dublish bulletins, sends out
graduates of the Macdonald Institute graduates of the Macdonald Institute and does
everything to interest the people in country life. It is quite true that the qovernment spends. money and efforts to this end. but the money is,
in most part, wasted. because their efforts are
misdifected The trgule is we have been
obsessed with the idea that we cannot teach a buid girl anything umless we shut them up in a building, and make them busy themselves with wasted the most precious years, we get violentlo wasted the most precious years, we get violentli
busy with the men and women, and let loose sued a flood of literature and lecturers of both sexe that farmers have fled in terror to town and
cities or to the Weat. cities or to the West.
The Department of Education has got into a
rut, and seems to be over busy rut, and seems to be over busy at present try--
ing to retain teachers enough in Ontario. The County Inspectors seem, most of them. to have lost any vision of better things that they may have started out with. Our reachers, I believe would, like to do something, if they were allowed
to act as national and intelligent beings, to act as national and intelligent beings, an
not as insignificant cogs in a great machine. Now, trustee, ratepayer or parent, get busy Now, trustee, ratepayer or parent, get busy,
Tell your teacher to forget that such a thing as an entrance examination existed. If you are fortunate enougt to have a District Representative of the Department of Agriculture, get him
to help. If your inspector-I emphasize th to help. If your inspector-1 emphasize the nature, get his help. Now have a real school garden. If your teacher is not speciall
trained you trained, you can find persons who will
talke turns take turns and give in turn instruction at least one afternoon a week, Get a nature lover wh
knows the flowers and birds and have the children out in the woods and the fields at leasi one afternoon a week. A prominent Toronto lawyer has, during the past two yearr, given prizes for the best flower gardens in Peel County pleased to give prizes for the best school gardens.
Then what mysteries nature has all around us I Have experts to come occasionally and expalue these to the children. For instance, the value of protein as a food. Twelve per cont. in capable of bacteria. Show them one of the hundreds of phials being sent from the laboratory of the Or-
tario Agricultural College to treat the sood tho all parts of the province, and enable the plants up the on the nitrogen in the air. The fop the relation of insects and dowere, berries and clover.

Thousands of our people are alarmed about the high cost of living, fin a province where iv farms are becoming deserted. Let us see it we carnot do something to unfold to the boys and girlu the beauty, the mystery and nobility of the green Peel po $\qquad$ rob roy.

The House of Commons Committee on Banking and Commerce has concluded hearing and
questioning the witnesses invited to appear be questioning the witnesses invited to appear be
fore it, and give their views concerning the proposed Bank Act and the various amendin clauses thereto which have been moved by different members of the House. It is a new and encouraging development that witnesses outtide been invited as well as bank presidents. The conduct of the enquiry has been exemplary in ro spect to courtesy and opportunity for frank oxpression of opinion, and, whatever the effect of
the hearing upon present legistation it the hearing upon present legistation, it ts satit factory that a good example has been set and
the case of the public has been placed on official
record.

## Gossip.

## tallion, grand champion of the Inter-

 ational Livestock Exposition, Chicago III., in 1911 and 1912, is dead. He wa wned, an and (. Plant, of MassachusettsThe representative of the Holstein Toronto Exposition Aonand That Board to reconsider the grants to the various breeds of cattle at the com Sollows: Holstein, $\$ \$, 2000$; Shorthorn
$\$ 20$ $\$ 22,000$, Ayrahire, $\$ 1,200 ;$ Hereford, $\$ 9900$ Guernsey, $\$ 500$ G Galloway, $\$ 500$ Holstein- breeders are disappointed, as
they claim they claim their breed last year had
more registrations and more transters
than any other cattle breed society and

| that their financial condition is stronger than that of any of the other cattlebreeders' associat, ons, notwithstanding is strongest numerically. Holstein men claim that they have proven their right to receive a prize list as liberal as that ofiered to any other breed. <br> Spring is here, and the grass is growMilk must be separated, and the Centrifugal Cream Separator is the quickest, cheapest, and best method of getting the the dairy business, look up the advertisement elsming, easy - running, durable, Simplex machine, and write D. Derbyshire $\&$ Co., Brockville, Ont., or Gi . A. Gillespie, Peterborough, Ont., for their free booklet, No. 5. |
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a (As they enter the store they come to Mother-Willie, do $\left.\begin{array}{l}\text { do you } \\ \text { Willilo-Yes, niother. } \\ \text { But }\end{array}\right]$
But in the meantime willie spied a counter with a large sign on which read,
"Can't be Beat." Can't be Beat.
Willie then call Mother, these are just the trousers want. They can't be beat."
W. J. Davis, \& Co. held a sale of Here Pord cattle at Jackson, Miss,., last week.
Prices were not exceedingIy hhy, but, on
the whole, were ouite satistactory large percentare ouvite satistactory, a
larchasers at one or other orers being
pur two Yormer sales held by this company. The
highest price for $\begin{aligned} & \text { tomale was } \\ & \text { S }\end{aligned}$ Soo paid for Lady-Direct, and also for red Rose. Eighteen emales averaged $\$ 225.28$,
and twenty-one bulls averaged $\$ 278.80$, an average for the total of thirty-nine
head of $\$ 251.41$. 1 trince Lad was the


Aberdeen-Angus cattle belonging to the estate of the late Walter Roberts were
dispersed at Atlantic, Iowa, on Airil 8th. The weather was very unavoreb
 $\$ 8,837$, an average of $\$ 184$ oach, and
eight bulls averaged $\$ 209$ each average for the fifty-six sold being 8187 New breders put up the strongest com-
petition for the petition for the good things. The high
est price for a female was $\$ 315$, while

## Trade Topic.

## grand trunk railway system.

 Canadian National Horse show, Toronto April $29 t h$ to May 3rd, 1918.-On 20 Toronto, the Grand Trunk Raslww Sye tem will soll return tickets, singlo fara tor the round trip, with 50, addod to admission to the show. THeckets goodgoing April 29th, returning Mondey, iry
5th, 1913. Secure tickets and al 5th, 1913 . Secure tickets and all tit
tormation from any Grand Trunk agent.

caused quite a demand, principally fro
the farmers in different parts of Ontaric
Frices ranged as follows Drater
$\$ 240$ to $\$ 275 ;$ general - purpose horses,
$\$ 200$ to $\$ 240$; expressers, $\$ 175$ to $\$ 225$
drivers, $\$ 75$ to $\$ 150$; serviceably sound
$\$ 40$ to $\$ 75$ each.
BREADSTUFFS.
Wheat.-Ontario, No. 2 red, white o
mixed, 94 c . to 96 c ., outside; inferio grades, down to 96 c. .; Manitoba, inferio
northern northern, 98 fc c.;
track,
No. 2
2 northern, 98tc.: No. 2 northern, 95 ato.,
track, lake ports. Oats-Ontario, No.
2, 33c. to 84 c . 2, 33c. to 34c., outside; 38c., track,
Toronto; Manitoba, oats, No. 2, 42 c .,
No. 3, 40 t. c, lake ports,
 60c. to 63 c ., outside. Peas-No. 2,
to $\$ 1.05$, outside. Buckwheat-51c.
52 c ., outside.
 43c. to 48c., outside. Flour-Ontario
ninety-per-cent. winter-wheat flour, $\$ 3.90$ ninety-per-cent. winter-wheat flour, \$3.99
to $\$ \mathbf{\$ . 9 3 ,}$ seaboard. Manitoba, flour-
Prices at Toronto are: First patents,
$\$ 5.30$ second Priss at Toronto are: First patents,
$\$ 5.30$ second patents, $\$ 4.80$ in cotton
10 c . more; strong bakers', $\$ 4.60$, in jute hay and millfeed.
two yards for the corresponding week

## 

\section*{| City. | Union. | Total |
| ---: | ---: | ---: |
| 241 | 200 | 441 |
| 2,777 | 2,487 | 5,264 |
| 6,859 | 5,920 | 12,779 |
| 926 | 6415 | 1,341 |
| 1,524 | 186 | 1,710 |
|  | 152 | 159 |}

The combined receipts of live stock a a decrease of 102 cars, 589 cattle, 5,408
a hogs, 1,054 sheep, 158 calves 589 catte, 5,40 horses, compared with the corresponding week of 1912 .
Receipts of
Receipts of live stock at the Toront
markets for the past at atoly large, although not as large as for the corresponding week of 1912
The supply of cattle was quite equel The supply of cattle was quite equal to
the dempand. There were several buyer trom outside points, principally Montreal
and Hamilton, which and Hamiton, which helped materially to atrengthen the market. Prices, how-
ever, were not any lhigher thain in our over, were not any higher thain in our
loat report. for cattle. Sheep, lambs hast report, for cattle. Sheep, lambs,
and calves, sold at about steady prices, and all offerings were readily taken,
Hoga sold at lower quotations Hoge sold at lower quotations. Selects,
fod and watered, sold as high as $\$ 9.55$, fod and watered, sold as high as $\$ 9.55$,
and $\$ 9.20$, f. o. b. cars. Exporters.-William Howard bought for the Switt Company of Chicago, 100
port $1,800 \mathrm{lbs}$, at $\$ 6.75$ to $\$ 7$.
Butchers
heifers sold as high as exporters, and one or two instances higher, ranging from $\$ 6.75$ to $\$ 7.15$; loads of good to choice, $\$ 6.50$ to $\$ 6.75$; good, $\$ 6.30$ $\$ 6.50$; medium, $\$ 5.90$ to $\$ 6.25$; common,
$\$ 5.50$ to $\$ 5.80$; cows, $\$ 4.50$ to $\$ 5.75$; canners and cutters, $\$ 3.50$ to $\$ 4.75$ butcher bulls, $\$ 4.50$ to $\$ \$ 5$; export bulls 5.25 to $\$ 5.75$. doing / in the stocker and feeder classes. tockers and 'feeders ranging from 400 o 800 lbs ., sold at $\$ 4.75$ to $\$ 5.25$, and Tht. was paid. Milkers and Springers.-Receipts was not equal to the demand, especially Good to choice to choice quality cows. to $\$ 70$, but a few select wuality from $\$ 6$ $\$ 75$. Common quality cows sold at 40 to $\$ 45$ each.
Veal Calves.-Receipts were the largest sold at $\$ 4.50$ to $\$ 5.50$; medium calves, $\$ 6$ to $\$ 7.50$; good calves, $\$ 8$ to $\$ 8.50$ and choice calves, $\$ 9$ to $\$ 9.50$ per cwt .
Sheep and Sheep and Lambs.-Sheep sold at $\$ 6$
to $\$ 7.25$ for ewes, and $\$ 5$ to $\$ 5.50$ for
rams. Spring lambs each. H . Hogs.-Selected lots of hogs, fed and
watered, sold watered, sold at $\$ 9.50$ to $\$ 9.60$; and points, and $\$ 9.85$ weighed off cars. Horses.-Trade in horses at the Tnio Horse Exchange, Union Stock-yards, wa quite active last week, and better than for some time. The principal demand
was from farmers and the city, although there were two carloads bought and
shipped to Montreal. Spring work has

Hay.-Baled, car lots, track, Toronto,
No. 1, $\$ 12$ to $\$ 13 ;$ No. $2, \$ 10$ to $\$ 1$
per ton. No. 1 hay is hard to get. Straw.-Beled, car lots, track, Toronto Bra $\$ 10$ per tor Bran.-Manitoba bran, $\$ 19$ to $\$ 20$ per
ton; shorts, $\$ 21.50$ Ontario bran, $\$ 19$
to $\$ 20$, in bags; shorts $\$ 2150$,

TORONTO SEED MARKET. Clearonto seedsmen are quoting ree prices per cwt.: Alsike No. $1, \$ 20.50$
to $\$ 31.50$ alsike
$\$ 26.50 ;$ No. 2, als. $\$ 24.50$ to
 87.50 to $\$ 8$; timothy No. $2, \$ 6$ t


> COUNTRY PRODUCE.

Butter.-Prices remain steady. Cream
ery pound rolls, 32c. to 34 c . solids, 28c. to 30c.; to separator dairy E. to 30 c .; store lots, 22 c . to 24 c . Eggs.-Receipts continue to be heavy were quoted at 20 c , to per dozen, and Cheese.-Market unchanged; large, 14c.

Honey.-Extracted, No. 1 clover honey. $\$$ \&.; combs, per. dozen sections, $\$ 2.75$ Beans.-Broken car lots, at Toronto to $\$ 1.25$ for inferior samples, $\$ 2.25$, down c. per 5c. Ior New Brunswick Delawares Poultry.-Receipts of fresh-dressed poul-
try were light, and, as a rule pry were light, and, as a rule, of very
poor quality, with prices very high.
Turkeys, urkeys, 30c. per lb.; geese, out of sea-
son; ducks, out of season; chickens, to 28c.; hens, 18c.. to 20c. per 1l
There is more cold-storage poultry that
fresh-dressed, fresh-dressed, which sells at about the
same prices. No. 1 HIDES AND SKINS.
 cured, 12c.; country hides, hides,
11c.; call skins, per 1b., 15 c .;
green,
kins $\$ 3.50$ each. to $\$ 1.50$; horse hides, No. 1

frults and vegetables
Apples-No. 1 Spies scarce, and wort
$\$ 4.25$, and for table use, $\$ 4.50$; No. Spies, $\$ 3.50$ to $\$ 3.75$, and these ar
plentiful. All other kinds of winter apples are plentiful and cheap, at winte arrel; beets, 70 c . to 75 c . per bag ber
nions, Canadian, plentiful, at 90 c . to
1 per $90-\mathrm{lb}$. 1 per $90-\mathrm{lb}$. sack; turnips, plentiful and
heap, at 30c. per bag; parsnips, 75 c .

British Cattle Market


## baffalo.

$$
\begin{aligned}
& \text { alemo } \\
& \text { ent } \\
& \text { Hoge.-Heary: } 0.45 \text { to } 80.55 \text {, muta } \\
& \text { Nibe5 }
\end{aligned}
$$

$$
\begin{aligned}
& 0
\end{aligned}
$$

Chicago.




 rough, \$88.70 to 88.85; plske, 77 to to $8 . .15$.



Trade Topic
Every tarm needs a good pump. Poor Pumps must work easily, and anmoyaico. proof in winter. A handy pump frostfrom which the plunger pump is one drawn without removing the withSuch is the pump nuanufa the pump. Aylmer Pump and Scale Co by the mer, Ont., and known to., Ltd., Ayt the Imperial Anti-freezing .Pump. Soe the advertisement in another column, ane send a post card for their excellent illua:

## Questions and Answers.

Miscellaneous.

## Colt's Knees Defective.

$\qquad$ mate one I have, and it has what hore men call "fish knees." It was toasled
that way. It is now three years old. and seems to be nearly all right. Are colt likely to cause trouble in future?
Colt a mare. Would she bo likely to transmit this trouble to her colts?
Ans.-We know of no disease of horses called "Als knees." The trouble, what.
ver it is, seems to be congenital. We in a only suggest that the colt be kopt and to feed off the floor, as this strength ens weak knees the floor, as this strengthens weak knees. It is probable that the rouble would be passed on to the mare"e
rogeny, but, of course, it might not be.

## Book Reviews. <br> book on bankina

A more timely and graphically-prepared Finance," by Hentitled, "Co-operative by the Orange Judd Co., has not made known as a student many a day. Widely editor, and publicist, Mr. Myrick could
not Though the work deals with the problem United St and finance mainly from the jects are cosmopolitan, and appeal espe cially to Canadians just now, when the
searchlight of publicit on the existing bank system. He dis defsects in a clear, courageous way, the defects of American banking, and proposes, by way of remedy, a national ap-
plication of the principles of co-operapopular in finance. The book is diagrams in style, and and cartoons. It is arranged in seven sections, embracing thirty-two
comprehensive chapters, with addenda and references. It is novel and original,
and bound to hold interest. It may be ordered through this office, at may be
$\mathbf{\$ 2 . 5 0}$

Little Trips Among the 。 Eminent.
Sir Edwin Landseer.
Perhaps no artist is more widely known in the homes of English-speaking people at large than Sir Edwin Land seor. In cottage and hall alike are to be found prints of his "Monarch of the
Glen," his "Dignity and Impudence," and Glen," his "Dignity and Impudence," and
his ""Sanctuary," and so people who his "Sanctuary," and so people who
know nothing of his life, recognize the name of Sir Edwin Landseer at once as that of a great animal painter.
Edwin Landseer was the third son of John Landseer, A. R. A.; and was born in London, Eng., on March 7th, 1802. Scarcely, indeed, could the lad have escaped a leaning towards the brush, for his father was a noted engraver and writer on art, while his mother, as Miss Potts, had been one of Sir Joshua Reyaolds' models.
At five, then, the young Edwin prom(sed to become a prodigy, producing, at that lender age, a "quite marvellous" drawing of a fox-hound from the life, now preserved in Kensington Museum. At seven, he could etch well and use chalk, sepia and water-colors, with ox-
collent effect; at ten he was an admircollent effect; at ten he was an admir-
able draughtsman, and at twelve, could able draughteman, and at twelve, could paint readily in oill.
From the beginning he had chosen animals, which he loved as though they had been human, as his subjects, and, as time went on, not contented with painting from the life, he dissected every carcass he could And, learning thus, by accurate study of the angatomy, to ac-
complish "portraits," as he callied them, complish ""portraits," al he called them,
that should be techically true. At eleven, he won the silver palette animals, and Arts for a drawing of the catalogues two years later, named in ser,"" he had two "pictureses exhibited in the Royal Academys Thicese were, "PorPointer Bitch and Puppies.
As, a student at the Academy, owing
to his frank and genial disposition, he was a favorite with everybody, but espe cially with his master, Fuseli, who, it
is said, used to come into the crowded antique room, look about, and say, "Where is my curly-headed dog boy""
The history of the lad's student days Is chiefly a recital of lists of medials and prizes won by him in every competition
in the branch which he chose to enter, then in 1818, his first very notable picture was exhibited at the Academy. This Was the canvas, "Fighting Dogs Getting
Wind," bought during the exhhibition by Sir George Beaumont.
In 1824 , his "Cat's the British Institution, and made a great sensation, establishing his reputa-
tion as once for $\& 100$, and with the proceeds he was enabled to set up a studio for him-
gell in the house in St. John's Wood Road, in which he lived, for nearly fitty years, and died
During the same year, the artist visit
ed Abbotsord whe Sir Walter do, where he mado studies of Who loved dogs, admired Landseer's work very much. In some of his notes, he
refers to it as tollows. "T, andseer's dogs were the most magnificent things 1 ever saw, leaping and bounding, and grinning all over the canvas."
In 1826 , Landseer was elected an $A$.
cademician, During these years he
took to painting deer
took to painting deer, as well ass dogs
and horses.
"Every Heaton, "he paid a visit to some aristocratic shooting lodge in scotland, the walls of some of which he adorned with
rough sketches of his pictures of dearrough sketches of his pictures of deer-
stalking." A true sportsman, all doors were North; indeed; his social gitts were such that he was welcomed everywhere, even becoming a friend of queen victoria, and
painting the portrait given by her to Prince Albert before her marriage. "He was not merely courted indulged, and worshipped, wherever he turned," says Mrs. Heaton, "The was truly- and heartily valued. His Was
nature met response: his ne ure met response; his conversation
was the delight of the most accomplished of men; and, however clear it was that he was the fashion, it was equally clear


Portrait of Landseer
From painting by himelt From a Perry Print.
that he was the friend of every house- it is told, he painted for twelve hours, hold he visited, from that of Balmoral practically without stopping, while and Windsor, to those of the most
homely group of his early associates." homely group of his early associates." the exercise of a habit and a peculiar
In 1850, he was knighted by the talent he had of being able to draw with Queen; in 1853, he received the gold both hands at once, a different object Queen; in the Paris. Universal Exhibition, with each hand.
and in 1865, he declined the Presidency of the Royal Academy.
For some time previous, however, his health had been far from the best, and pression. During pression. During $1862-3$, indeed,
reason had almost completely given way reason had almost to him, although $h$.
but it came back to
physical conditiou improved but little.

His last great work was making the
models for the magnificent lions which stand at the base of the Nelson monu-
ment; his last portrait was one of the ment; his last portrait was one of the
Queen, and his last drawing one of a Queen, and his last drawing one of a
dog.
On the first of October, 1873, he died,
and ten days later was buried, with pub lic honors in St. Paul's Cathedral. Landseer, at hls best, has been de scribed as a handsome man of middle height, stout, with a broad, frank face,
and fine forehead and eyes: and an arehead and eyes; quick-witted, death of his one favorite dog, Brutus, he was always followed by a troop of dogs wherever he went.
No reason has been given for the do-
pression of spirits that in ruined his health and his career, except the supersensitiveness of his disposition, the supersensitiveness of his disposition,
and, perhaps, overwork. Occasionally, In addition to those of his paintings already named, may be mentioned the following: "High Life," and "Low
Life," (1829); "The Old Shepherd's Chiet Mourner," (1837), considered by many to be his finest painting; "Dignity and
Impudence," (1839): "The Challenge", Impudence," (1839); "The Challenge,"
(1844); "Monarch of the Glen," (1851); (1844); "Monarch of the Glen," (1851);
and "The Sanctuary," (1842).

The New Public Health.

The Farmar's Advocate Bureau ef Publle GUESTIONS, ANSWERS, AND OOE ANSWER
MEENTS.
Oonducted by Institute of Publie FiHellth London, Ont.
TQuestions should be addreseed: "Now Adrocate, London, Ont" Printerner' tions, aceompanied by a stamped addressed envelope, will recelve privat vidual cases cannot treatment for tindt

RICKETS IN CHLLDREN:
ques,-What causes children to be
rickety"? What are the symptorn? What foods do normal childrein need be tween the ages of one and four yeare? Ans.-The MRs. $G$. Ans.-The cause of rickets id unknown.
It sometimes follows measles. Boiled or cooked millt has "been accusod ( Boiled or fully); also ammonia from unchanged diapers. Lack of fat in the diot is parhaps a prominent cause : at all oveints
many rickety children improve on liver oil. It is probably move of oiten due to improper diet than to anything olico The symptoms are variable, but all most easily recognized by non-mptical people are those due to the bending of the bones of the lege and ribs, produc ing bow legs and deformed chest, while enlargement and squareness of the head
are often present. However, it is very risky for non-medicals to say rickets is or if not present from such symptome, and a physician should personally, exnormality in order to determine exactly what is really the matte
The question
The question of lood for normal children between one and four years old,
can best be answered by in van bety, bot answored by increasing plenty all told, avoiding indigestion diairrhea, or constipation.. As the child changes from breast-milk to a
mixed diet, careful, sensible experiments with a general diet should be made, be ginning with the simpler thinge, en trying them out in a leisurely, watchful way, until the child of four is able to
eat almost anything in reason without trouble. of course, a delicate or sickly child must be referred to a physician.
H. W. HILL.
infantile paralysis. Ques.-Will you kindly give the symp-
toms of infantile paralysis? tagious or infectious?
Wentworth Co., Ont.

$$
\cdots
$$

Ans.-Infantile paralysis showe ae tho chief symptom recognizable by the laity. a sudden paralysis of some muscle or
group of museles, resulting in thability group of museles, resulting in tinabtity muscles of the chest or face are alloctod, sometimes, those of the eye or throat, etc. These symptoms are often, but not
invariably, ushered in by fover, head ache, vomiting, malasse, pain or tender ness in the bones, joints, eta., and in
epidemics, every child showing epidemics, every child showing sieuch symptoms should be seen by a phyiflotian;
although this is a good rule at all times, since most acute "chilliren. diseases" come on in this way. The paralysis usually develops on or betor There is very
fantile paralysis is transmitted from the
sick child to others, and at. present the supposed to be primarily. It has been horses or other lower animals, and to be transmitted by stable flies biting infected animals (or humans) and then biting others, and so carrying the germ
from one to another. The whole subjoct is still quite mysterious, despite much investigation. The germ is so amall that no microscope has yet made it large enough to see.

Should milk be scalded Ques.-Should milk be invariably scald-
MISS F. A. Middlesex Co., Ont.
Ans.-Most milk, as ordinarily drawn
trom the ordinary cow, contains numer trom the ordinary cow, contains numerous germs, not necessarily harmful, but to the usual kinds at odd times. Since manure, or manure dust, falls into most milk, except when extraordinary precautions are taken, one source of dangerous
germs is the cow's intestine. If the Dow be perfectly healthy, not much harm aed be dreaded from that source. But t the cow have, say, tuberculosis, the orms of tuberculosis are apt to pass the milk, and manure, and so get into com difeenes. of course, if the udder or teats are affected, the germs. may go
directly into the mill The principal source The principal source of disease germs,
other than the cow, is the milker. the milker it healtho, discharges. fro the milker on unclean hands or mouthspray (droplet, thrown out from the oren talking) easily enter the milk; and of course this happens even more when the milker hask a cold, a sore throat, or any other infectious disease. I have
oftom known of persons who, although well themselves, persons who, although colatives who had typhoid fever, scarlet over, ete., as well as doing the milking. It such a peraon empties the slops of tho sick one's dishes, the sick, and then
milks, he is more than likely to put the discharges of the sick one into the milk trom his hands.
nae milk of large cities, even of small oven thousands of farms every day, that no consumer can oven guess, as a rule, Where the milk he drinks first saw the hight of day, or through whose hands it everyone rune in drinking milk raw is that come one of the many who may have handled it may have introduced disease Fortunately, milk can be made
boiling, scalding, or even pasteurizing but these should al ways be done in a
elosed vessel, or with constant Mosed vessel, or with constant stirring pan, especielly if it is brought slowly to the boiling point, without stirring, form a "skin," or scum, because of the evaporation at the surface, and tuberculosis scum, when those in the rest of the heated milk were killed.
Boiled or scald
Boiled or scalded or pasteurized millk
will rot, although it will not will rot, although it will not go sour
It ought to be used up promptly, there It ought to be used up promptly, there
fore, not kept.
H. W. HILL.

[^0]eating so-called "solid food," you are of people "get used to" strawberries and really taking with the solids a great deal of water, without noticing it. We
often add milk to porridge, gravy to meat, sauce to vegecables, etc., and so increase even the natural amount of water present. Half a pound of ordi-
nary beefsteak is really nary beefsteak is really about three five ounces of water, i. e., over half tumblerful. Only people who are sick, or have some stomach complaint, can be
much affected if they take another fralt-


Laying Down the Law
(From a painting by Landseer, Perry Print.
glas
one.
of water with it, or even a whole
H. W. HTHL
tea and coffee
Ques,-Are tea and coffee injurious?
Bruce Co., Ont. Ans.-This is like asking if pork and beans are injurious, or if knives and orks are injurious. Knives and forks them without cutting or sticking themselves; and pork and beans are injurious
to those who cannot is extremely probable that them. It Letters from Abroad. On mediterranean shores. Tunis, Africa, March 12, 1913 Dear Jean,- From the moment of landhave in Tunis till the present time, we Everything is sompletely under a spell. teresting;-the people, so strange, so intumes, the odd customs, the narro It is Moorish architectures. world. The first day. I stared another


Odin
From O
nore or less slightly
that our bodies have to "become used" toes, mind $I$ there as red as ripe toma to them to a certain degree before we eyedrops and put on dark glasses. wit
can manage them comfortably. This is specially true of raw foods. This "get- that when I try to write I relapse whir ting "tsed" to various foods, usually is finc persons the poisonous effects Train foods never disappear. Thus Tawherries may bring a rash out on
anc But, of ceurse, the great majority

Our hotel is in the Arabian guarter Just inside the Porte de France-the main the broad arane, which in opens intn the broad avenue, which is the heart of
the modern French section. contrast between the French and Arab element is the most merked.
Tunis is really two distinct towns-the rative town, Which is inclosed by a high wall, and French quarter, gates, and the nodern French quarter, which has grow p outside the wall. The French tow seen so much "style" since I crossed the Atlantic.
going to nour some statistics, but 1 a going to pour some into your unwilling
eates, so you will understand what an awful mixture of races there is in thi Ar7.000, of which 100,000 a population o 177,000, of which 100,000 are Mohamme dans; the rest are French, Jews, Italians imagine, with such a conglomeration how exciting the street-life is. The re versally and gay -colored burnous, are uni life, and worn. The streets aro full of wonderful. It is intoxicating. It is if a rainbow had gone to pieces in th street. After I had been here a few days, the sight of a European in con
ventional tweeds was positively odious ventional tweeds was positively odious
European attire looks ugly in comparison with the graceful, flowing burnouses of the handsome, dark eyed, dusky-akinned Arabs. One of the
strangest features of the Arab town Western eyes, is the fact that the teem ing life of the streets consiats almos entirely of men. They are the peacocki colored draperies, They wear the fower fancy shoes. A common, black porter draped in sack-cloth, has an artistic air about him, as he leane egeimet the wall of Moslem women in the sers number cets, and They all wear the same costume, and anything more hideous was never devised They shroud themselvee from heed to foot in a white hiack (a long, atraigh
piece of silk or woollion material), and cover their faces (except the eyes), with a thick, black veil. At a distance, they look exactly like nogroes. Then they wear short-pointed mlippers, with the their own heels sticking out behind. and course, they can't walls; they jusi One of the first thinge we did was to hear you ask? Souks, are souks, collection-boxes for the innocent tourista coins; in other words, they are fascinating little Oriental bazaars. There are miles and miles of these little shops, all
under cover, and in passages so narrow. you can shake hands across the pave ment, and so crooked, a Canadian ṣnake fence is straight by comparison.
wall, bulging inside and anall holes-in-the wall, bulging inside and out with Oriental nick-nacks, and presided over by an
Arabian-night's-dream sort of an Arab, who sits in the middle of the display waiting for a victim. As soom 28 she appears, he spots her at once, and calls
out, "Lady, lady not necessaire buy-juat come look !" She glances over hesitatingly. He holds up a fancy-leather bag and dangles it alluringly before her. "Ver cheap, ma-

The lady regards it with apparent indifference, but with an inward desire for possession. "How much?" she asks.
"Six. franc, madam; ver cheap; nice
hay ., bag." '"Too dear,"' she sary disdain-
fully. "Oh, madame," - his face expresses absolute amazoment-"Look, the
fine work-Arabic, the Arabic, all Arabic-ver cheap." "Too dear," she reiterates emphaticaHy, makhe implores, "one moment, s'il vous plait. How you like this one?" He dame, will you coffee?" (Serving coffee in tiny cups is one of the wsthotic features of the souks. It answers the purpose of a strong grappling-iron, and is bolting.) "No coffee thank you," says lady. "How much you gif?" asks the dealer suddenly, picking up the bag. She holds up two fingers, meaning two the bag down

APRIL 24, 1913
THE FARMER'S ADVOCATE

Sto mover $=$ mel. "Four," he call. "Awo." made persist. to mort." Ho looks tragic, and draws
 him into immediate baikruptcy.
"Four," he says, conclusively, begin-
ning to roll the bag in wrapping-paper. "Two," says the lady, decidedly, tak ing two francs from her purse
He throws up his hands de
"No, no." She returne the coins to her purse and turns away. "Madame, madame," he
calls. She glances back. He lifts up calls. fingers, and nods affirmatively, passting her the bag.
"Now, what olse I show you, pillows? necklace ? perfumery ? See, ver cheap.
After hall an hour more of haggling, she returns to the hotel laden with ave adaitional articles the didn't want and hasn't any use for, only to discover that
other tourists havo bought similar things other tourists
much cheaper. as a bargainer. Every morning, she oolemnly assorts. that she is not going near another souk, and yet, seldom a
day passos she does not lug home some day passes ahe doen not lug home some
useless geo-gaw and exhibit it triumphantly as a" "bargain." She really has picked up some great snaps in baskets. though where on earth she is going to agine, unless aho buyg a basket trunk to put them in.
We intonded going back to Palermo today, but wo simply ean't leave this land burnouses. I've been erazy to buy burnouses. ovor eince I came. Lote of American and Ehaglish ladies buy them,
and wear them for evening cloaks. and wear them for ovening cloaks. fit for Jack, so that ho and Arab outillustrated lecture on Mohammedanism to his Boyd' Club. With his dark eyes and
hair, ho would make most offective Arab, and I can't think of anything that rould make him madder than to be ith hin in lower - colored draperies, ban, and his foot thrust into yellow-kid olippers. How ho would rage !

## Hope's Quiet Hour.

The Word is Living. The word of God is living, and active,
and sharper thai any two-edged sword. and piercing oven to the dividing of soul and spirit, of both joints and marrow. and quick to discern the thoughts and
intents of the loart.-Heb. iv.: 12 R. V . Ask a hundred of your acquaintances what is meant by "The Word of God," In the text given above, and probably at least ninety-nine will answer unhesitatingly, "The Bible." And yet the writer
of the original letter to the Hebrew Christians does not seem to have been speaking of any book-not even their treasured Scripturen-but rather of God's
direct dealing with each soul. He goes on to say: "And there is no creature that is not manifest in His sight : but all things are aaked and laid open be
fore the eyes of Him with Whom we fore the eyes of Him with Whom we
have to do."
Would youl who mean the Bible when they speak of "The Word of God," are mistaken ? I
don't think so. The Epistle to the
Hebrews is nearly all the old Testament-showing how it is a living witness to Christ. The writer
does not sas that David once said cerdoes not say that David once said cer-
tain things, but he declares that even at (in David) mome the Holy Ghost is saying Voice, harden not your hearts." The Bible is wonderful library of
books, but the most wonderful thing about it is that most wonderfol thing Living God speaks through its words. monitor, speaking with authority in the depths of each heart. Does the Bible
lie, neglected and unopened, in your house? Then you anopened, in your
fusing to listen to the liviberately Voice of God. How do you know what special
messages of warning against spiritual
danger, of help in your fight for holi-
ness, of encouragement in depression, and
of joy in sorrow, A sick man was once sadly prep to leave home and ofriends. Feeling de
pressed and discourn preparing prissed and discouraged, he opened his
Bible "at random," and God instantly said to him (through Gen. xxviii.: 15),
"Behoold "Behold, I am with thee, and will keep thee in all places whither thou goest, and will bring thee again into this land;
for I will not leave thee." He says Hor I will not leave thee." He says:
"I shall never forget the comfort that
swept over swept over my soul the comfort that
message to me. It came was a message to me. It came straight down
to me. to me. © It swept into my soul as a a
Voice from heaven. It lifted me up., Voice from heaven. It lifted me up."
The Bible is not by any means a dead collection of literature, though it was written by men who lived out their
"One sees a number of Moslem women in the streets; and they look as much alike as two peas." earthly lives thousands of years ago. attacks for many centuries, yet atill it
It is the bett-selling book of the deg. marches onward triumphantly in its
Although it might Although it might seem as if nearly world-wide crusade against injustice, everyone, had a copy already, there is a slevery, and wickedness. Like the Inconitant and tremendous demand for it- carnate Word of God, it proves its a ateadily-increasing demand. Many Divine authority by healing the sick, thousands of copies are printed every raising those who are dead in sin to a
working day of each week, other books, new life of righteousness, and carrin working day of each week. Other books, new life of righteousness, and carrying
which are greatly in demand for the mo the glad tidings of the Love of the ment, sell by the thousand each year, Father to the poor and downtrodden.
but the Bible selle by the million. These Follow the Bible es it goes out into the but the Bible eelle by the million. These other popular books become, as a rule,
out of date in a few years. Books written a thousand years ago are only
read by a few scholars, and lie on the read by a few scholars, and lie on the
shelves of the bookseller for years, waitshelves of the bookseller for years, wait-
ing for a purchaser. But the Bible is
in class by itself. Though it is very old, yet it is always Follow the Bible as it goee out tito the derrleness of heathen lands, and then you healing wherever it is accepted and obeyed.
The Church from her dear Master Received the gift divine.
And still that light she litteth

Street Scene in Tunis.
a dead language by men of remote ages. it is so vivid and human in its narrathe parts, so quick to discern the
thoughts and intents of our own hearts, so sharp and piercing in its way of revealing to ourselves the petty or low
motives which-if allowed to control our motives which-if allowed to control our ections-have power souls. The Bible is indeed the Word of God, because He Who is the True Word of God speaks to us through it directly and startlingly. If He ap-
peared on the earth again, we who love peared on the earth again, we who
Him and claim Him as our Master-I speak to those who do-would delight to spealk at His feet and listen to all He
sit at
and wanted to say to us. Is it possible
that when He wants to speak to us
through His written Word, we are list-
less and inattentive less and inattentive? We need light to
guide us safely through life, and through the dark valley of the shadow of death. wonderful shines out gloriously from that prayerfully, hear the Voice who study it God speaking to their of the Present sceptic can disprove what their own exman might makes them sure of. A blind for the sun to hang was impossible space, burning for ages, yet still uncon-
sumed. sumed. We, who can see, might not be could noterpain the mystery; but he sun gives us ustroy our certainty that the The Bible has been, and still, and lite. tle-ground. It has endured the most
searching criticism and the most pitiless


Where golden casket
Where gems of truth are stored It is the heaven-drawn picture
of CHRIST the Living Word.0

I recently had the pleasure of hearing a young commercial traveller speak of the work done by the Gideon Society, He said that about twenty-five years ago, two travellers were forced to "double up.' in a crowded hotel. Great trifing incident. One of the men took out his Bible to read a chapter, and the other man-who was already in bedsaid: "I believe in that Book, too,
won"t you read aloud?" They read won't you read aloud ?"' They read
and prayed together, and parted.
short time afterwards they met again minds the thought uppermost in both minds was: "Why can't we start a travellers ?" So the Gideon Society came into exo istence, and each member tries to act
like the famous 300 followers of Gideon -standing quietly in his place uplifting has been "placed in thousands of hotel rooms in Canada. On its first page it a printed suggestion to those who aro lonely to study a certain passage, to
those who are in business difficultios to study wan are in business difficulties to on. Many have turned to the texts fodicated, and have been greatly helped. Only God knows all the messagen Hy has syuken through these Bibles; but some
ol the hearers of the Tiving Word heve told of their experience. A woman who had turned her back deliberately on holynees, and was heading straight toward a Canadian hotel. Sharper than a two edged sword the message of God cut otraight to her heart. The blaze of the torch-light revealed the awful gull of of her, and ahe turned yawned in fron fear from the path of sin which had looked attractive before. That is one case out of many
I am not going to heap up proote of
the truth of the Bible. Proofs which convince the mind may not holp the soul much-besides, the proofs are too many to mention. No one is holped hy a medicine just because he knowe that
it is good. He must TAKE it in order to bo bonenited by it. We are all ouffering trom the disease of sin, and 1 think we are all anxious to be cured. God only can cure that deedly disoase;
Jmsus our Lord is the Good fiy ittitio. His words are living and active; can we afford to leave them unheeded; Nover man apake like this Man-in all the lit ances of power which wean mateh His He only mown the wenry, trombte? hearts which have been cheersed and uplirted by His tender, living worde
"Come unto Me , all ye that labour and "Come unto Me, all ye that labour and rest." "Teace I leave with you, y peace I give unto you.
your heart be troubled, afraid.". The troubled, neither lot it be
fect musie, and words are like per lect music, and those who are like per
know that the His marvellous promise. The living word of the Tiving seareher of hearts cuts straight through the outward beauty of many apparently good ugliness of sell-love or world eure-the which spoil them so or worldy ambition that ye do not so often: "Take hoed, thy closet, and wher thou hast ehut thy door, pray to thy Father which is in secret." He never allows us to deceive ourselves by thinking that all is well,
unless our hearts are held up for Godi unless our hearts are held up for God
light to search us through and through. He has roused in us such an infinito thirsit for holiness that we can never rest setie
fled with our attainments until wave fed with our attainments until we have ts perfect.
He, Who is the Living Word of the Father, speaks directly to my soul when I read His written word, praying earn estly

0 , let me hear Thee speaking
In accents clear and still, Above the storms of passion, To' hasten or control. , speak, and make me listen,

We are blind with regard to the future; it is as if we had no vision at all; we know not what one day may, bring fort God keeps to-morrow in His own hand but this we know, that we shall be led and upheld and comforted; our perplexity shall be relieved, the rough places plain. and even the valleys shall be exalted; a
new song will be in our mouth at the close of the day; if we have to sing of Judgment, we shall also have to sing of mercy, for God's way towards us is on
of judgment and love.-Joseph

The Roundabout Club.

## Study III. Concluded.

 another admirer of shakeTo be called, through stances, to spend a year yerse circumisland, might suggest at first thought a monotonous iand dreary existence, but to here as companion, the right kind of book, that barren isle may be transtormed from a lonely hermitage veritable haven of enjoyment.(he writing of books there is no desultory many a well-considered or limited in choice to one secular book the writer would advise a book containing the plays of william Shakespeare. What is the mission of a book? soome are sent forth to cheer, some to bless by giving the reader broader and truer conceptions of life. That book which would combine all these functions in its infuence is truly the most suit able book under such circumstances Denied the privilege of enacting, follow mortals, in the real dram, with life, why not read from the greatest of dramatibts, William Shakespeare? Read lig of those whom that mastermind hee made so realistic is second only to the actual witnessing and experiencing the extensive is his subject matter । How are fin the midst of low-life and high ite. We can, with Shakespeare hag with philosophic eye the ambitions and struggles of human kind. At times are "Borne aloft," at others "hurled in the dust." We follow them in the mad pursuit of baubles, enamoured by the glimmer and glitter overstepping the bounds of honor, and meeting with grominious defeat with all the remorse that follows in its train. In such works as Hamlet or Macbeth we are mat to feel, after a study of them, thet fow years of mortal life are but dow drops among the eternal years, dewthat, after all, there is something and finitely more precious than worldy incess, namely, nobleness of soul, fity to truth and honor, strength, yet derness and trust to the very ten There is a note of censolatory end throughout his works, hence, how essential to strike that note when living
such an apparently lonely existence such an apparently lonely existence.
The mighty solitudes with their "Ionely mighty solitudes with their incessant waves, the plaintive of the the sea-birds as they hover about, the prospect of immensity in water and sky are all conducive visits from the muses, to study and reflection. Hence, since
the words of Shakespeare make demands upon concentration of thought, what more ideal place could be chosen ?
"Some books," says a worthy "Some books," says a worthy authority, to be read and digested." There others be nothing in the atmosphere would place to interfere with any of these processes.
To arouse the feeling, of contentment.
turn to "the Tempest." ${ }^{\text {In it we see }}$ the great magician after a very success-
ful career in the practice of his art, break his magica: wand and retire from the scene of his triumphs to the woods
and meadows of Avon. He had gained by the wonderful experience of life serene wisdom and beneficient self-control. This, like many other examples in his works, would furnish a sane view of life, and make the reader think that
desertion on an island is a mere incident in the story of experience.
The utilization of the year to such good advantage as the reading shakespeare would make the mind a
stopehouse of resources for future years
hrilosophy of life condensed in those would ever return to mind. Shakespeare's works would surely then
fulfil the mission of a book to fulifl the mission of a book to cheer, to
soothe, to instruct and to bless and to be "" joy torever."
Middlesex Co., Ont. MARION BELL. just a bit of nonsense about A bit of nonsense now and then, Is relished by the best of men. A year alone. on an island, and only
one book ! What a dilemma for one who frequently finds great difficulty in choosing only one book to take to bed for a few minutes diversion before sail-
ing of to the comfortable "land ing off to the comfortable "land of
Nod", for a single night!


## Dignity and Impudence.

 Fra a painting by Landseerthis matter, and am bound to confess that my first choice was a book of futile ; for it is inconceivable was too baker would leave his bread cart on an island-with bread so precious dear these grow there-for all "Swiss Fremily would inson"-and I can't make it yet, and if I could l'm "blowed" if I wouldn't, take is of the list. Well, I've thought of cooking books finally of a book I have seen on a and bearing the dreary have seen on a shelf it sounds good : but here's the rub have not the least idea what's in it, if whad immediately this brilliant idea would lose it's lustre ; for, would not
the very fact of knowing whot the very fact of knowing what was in
the book put me on a standing of


## The Sanctuary.

## dependence and sell-reliability, whence I source of all my knowledge? For such

 is human annoyance that we swell with yeary, but some few paltry gaining, not discretion. In short this moments of puzzled me already to the extent of taking several long years off my life I'msure, and there sure, and there seems but one ching left
to do-I'll write to "."The Farmer's Advocate" and get thelr invaluable advice and assistance in choosing the book with
which to spend one year alone on an which to spend one year alone on an island.

Gardening Suggestions.
 Berore closing the gardening sugges tions, I appeal to your common sense on selection of seeds. Have you known the person who would buy her supply from an 1 tinerant peddler, and buy the varieties with the prettiest-colored pic tures on the packets? Are you ac uainted with anyone who rushes in "hot aste" to the general country store, and buys her stock of seeds about a weel loo late? (She's the one who is content to scatter them in an iunready, weedy soil, to be forgotten, with the exception of a few desultory but venomous attacks, until she expects to have
fresh vegetables, because she saw fine ones in the clean garden of the next neighbor.) Have you heard of the per-
son who answers all the ""ads,", like son who answers all the "ads." like
this :-"25 packets for 25 cents." this :-"25 packets for 25 cents," or
worse-"10 packets free," for some menall these unnamed cause ? No doubt all these old seeds had lost their vital-
ity ten years ago, and are very dear When given gratis.
Patronize the seed-house in your home
town. They have a tain, and you get moputation to sus-
money, besides information seed for the money, besides information as to the
quantity of seed you need for the ground at your disposal. If you have no seed of the many with an established rem one tion for reliability; if not, you will never know if your seed be true to name or worthless, because of age or frost. In
conclusion, I shail append a few resulta that you may reasonably expect, so that
you may make a selection It will not include perennials, nor novel ties, for, while peanuts, sweet potatoes,
mushrooms, mushrooms, and many other good things
grow here, an amateur would do not to attempt to grow anything well which the result would be uncertain. For success with celery, make a trench at the foot of the slope at the rear of
the manure-pile, buy Golden ing, and transplant to the Self-blanchhotbed. The following shows a handy plan for an amateur's attempt, with tween one-tenth to and will require bePut first six rows is inches an acre. next five rows 3 to 3 feet apart: next apart. 1 fet apart, and last two $2 \frac{1}{4}$ feet. Red Wethersfield onion, 1 ounce seed 2
ounces ashes, sowed together Red Wethersfield onion, 1 ounce seed ounces ashes, sowed together.
Yellow Glo seed Yellow Globe Danvers onion, 1 ounce
seed to each 100 feet. Early Egyptian beets, 2 ounces seed to each 100 feet.
Chantenay carro


The above garden ought to yield Onions, 9 bushels............................. $\$ 9$ Ground cherries, $\$ 1$ per bushel........................ ${ }^{2}$ Popcorn, 1\% bushels, at $\$ 1 . .$. hite beans, bushel.......
Cauliflowers, 50, at 10 ct............ 10 Cabbages, Early, 68, at 5 cts........... 50 Late cabbages, 40 , at 4 cts.........
With 5th, 6th and 10th rows thrown in
(............. ......... ...... - ..... $\$ 436$

This would not be the estimate I can do unaided, exceptroximates

Mending Basket
The Hired Help Question. Dear Sir,-So much has been said and and yet made to eliminate or remedy the trouble complaining. "We cannot we hear people help," or "We cannot get anyone who will take interest in the work," and most pitiful complaint of all, "When we
do get satisfactory help, we cannot do get satisfactory help, we cannot keep
them." Not very long evening in the orfice of the $\mathbf{Y}$. $\mathbf{I}$. C . A. A. and overheard one side of a conversation between the Secretary and a farmer light on the gubject which threw a little light on the subject. After the usual Secretary asked, "And, now, where do
you live, Mr. B D." you live, Mr. B-?"' and on receiving his answer, much to my surprise, she
remarked,
approvingly That's a good locality. "Oh, R- You see, so much depends on that. So often, when everything else proves satisfactory, a
girl will say girl will say, 'Oh I I wouldn't.
there !'"
That last remark, the emphasis on the "there," the tone in which it was gust, set me thinking. Why should a solution about locality? The only solution to the problem was, that the ated in a neighborhood with mood social Once, I, a city woman, spent nine months on a farm in the capacity of hired girl. I will confoss it was nol
from choice, but a case of "'have to Ledgers, daybooks, and the eternal click ing of a typewriter, proved too muc for a highly-strung nervous system. long, enforced inevitable breakdown, long, enforced rest, and then the decre and , we'll make a strong girl of you yet." "Go to the country !" I I re
peated to myself, groaning inwardly at he thought of the slimness of m pocketbook; "He might as well say go
to Mars." But where there's a will there's a way. Three weeks later found me installed in a farm-house, doing things I had never done before, and en
joying the out-door life. r life
up" in the house, never going anywhere never seeing anybody or anything, working without any recreation, I, too, should probably have lost heart,--I don't think
I would have stayed that long,-more probably, in defiance of doctor's orders should have given up the experiment.
But no; I enjoyed it But no; I enjoyed it thoroughly; en
joyed the novelty of the work; enjoyed the cordial hospitality of the neighbors fitted, physically and mentally, to cope with the strain and stress of my own work. Now, all Parms cannot be situ-
ated in "good" localities as regards
their lages, and proximity to towns, and vil gages, and churches, but all can be
good localities as regards social life. "All work and no play, makes Jack your hired help well, and they'll work well. Let them feel that they're human words-don't nag. Don't ask them to do things you
wouldn't do Don't expect them to work steadily,
day in and day out, without recreation
 the man or
barn or ho




The " Farmer's Advocate " Fashions.
HOW TO ORDER PATTERN Order by number, giving age or mea urement as required, and allowing at
least ten days to receive pattern. Also
state issue in state issue in which desivn appeared. Price
ten cents PER NUMBER. If two numbers appear for the one suit, one fo
coat, the other for skirt, twenty cent must be sent. Address Fashion cen ment, "'The Farmer's Advocate and Home Magazine," London, Ont. Be sure to
sign your name when ordering pattern. sign your name when
Many forget to do this.


545 Middy Costume for Misses and
7494 Five Gored Sk


design by May Manton.
75018 House Jacket with Fitted Back 7236 Three-Piece Skirt,


7585 Loos
Desien By May Manton.
7515 34 to 44 bust. .
${ }_{7515}{ }_{2}^{32}$ Five Gored Ski 32 waist.


Design by May Manton.
7612 Corset Cover with Straight Upper Edge, 34 to 42 bust.
7577 Seven Gored Petticoat, 7577 Seven Gored Pet


7448 Semi-Princesse Dress
34 to 44 bust.

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"Fertilizing Orchard and Garden."
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"A Farmer's Field Tests
-
Expert advice given on all matters pertaining to fer-
tilizing. Send us five or more names of your nieghbor
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The Ingle Nook.




$\qquad$
Dear Ingle Nook Friends,-The Patter Department has a message for you. In
the first place, when you order a pattern be sure to give your name and that of your post-office. You would be sur-
prised if you knew how many prised if you knew how many forget to
attend to this simple matter. Some of them become cross, too, -when the patterns fail to materialize. For instance, one woman-1 don't know her
narue, so she must not take this person-ally-wrote us for a number of patterns sending the money, but no indication whatever as to who she was or where
she was to she was to be found. Of course, the
letter was laid aside in the the omission might be speedily supplied After two or three weeks a second letter arrived, a very angry one. She
wanted to know wanted to know why her patterns had
not been sent: if our businesa weren't better than that she did't wads any more of us: if the patterns weren't sent at once we might take her name off our mailing lists. Would you be-
lieve it ? - neither name
 address Was given in this secon
epistle ! More than once people have written us a second time making the
same omission. A great many say, "send my pattern the patterns are not manufactured Now in the editorial rooms ; they are made
in in New York, and are sent from there on our orfer, hence, obviously, it is im-
possible to possible to respond by return mail. In In
the paragraph. "How to Order Pat the paragraph. "How to Order Pat-
terns,", which appears regularly in our fashion columns, you are asked to allow ten days at least for the receipt of patterns. We cannot promise to do
better than this. The patterns may go better than this. The patterns may go
to you sooner : occasionally, for reasons unknown to us. they may be delayed even past the ten days, but this is very exceptional.
Occasionally, too, patterns are held up
at the Customs. We have at the Customs. We have been roundly
scolded about this, but really we hat no control over the Customs. We can-
not understand not understand why it is that, while the
great majority great majority of patterns come through
free, a few are held up and duty free, a few are held up and duty de-
manded. The pattern manufacturers, to whom we have written for light and subject, know no more about it, so
there the It is not necessary, if you are an
adult over eighteen years of age, to adult over eighteen years of age, to
give your age, as hundreds do-"bust
38, age 35,", and sol measure for blouse and waist measure for skirt are al! that is required.
Mature women of small size may, of Mature women of small size may, of
course, order 16 or 18 -year size.
Neither is it neces Neither is it necessary to give all the
measurements, under arm, shoulder back, front, etc., as when sending to Eaton's or Simpson's to have a garment
madelto order. Patterns according to individual order not made waist are all that need be considered age, of course, for children's patterns. Last of all, please be kind enough to state the issue of our paper in which
you saw the design you saw the design that you want. If
you neglect this some very busy people
have a great deal and verifying your of trouble looking up ably done to prevent chance of mistake.
Now is all this clear? We should be very much pleased to hear all particulars about. vacuasm clean-
ers from homes or neighborhoods in
which they are being heard of the are being used. We have lan satisfactory more families. Is this
$\qquad$
$\qquad$
$\qquad$
$\qquad$
eleaner
money.
In the cities since the outlay wood or "finished" softwood of hard vacuum cleaners, and the use of rugi instead of tacked-down carpets, the a thing of the past. The principle keeping clean, absolutely, all the time has quite routed the old plan of having big clean-up of extra and otherwise un-get-at-able dirt twice a year. Of course
papering and painting time will insist papering and painting time will insist on
arriving occasionally, but ordinarily the vacuum cleaner keeps walls, curtains, upholstery and rugs clean and sweet, time makes it quite pomovable at any the accumulation posetble to prevent invariably found beneath the tacked The poskibility The possibility of a imilar condition welcomed, hence. 'we ask would surely be solved the problem to "pass who have thing on.'

Have you decided to try a for foul Doubtless, a garden of bulbe this yoar niala is the garden of bulbs and poramyou have not such satisfactory, but if do not despair: a few packageo of eetil. even tuals will do wonders bofore fall. towards the planted in the open ground or two in the back yard. Try a bed be cheered by the bright where you cal day as you go about your work every kitchen. Varieties very easily grown and that give a fine showing for the Drummondi, are, annual larkikpur, phloz poppies, candytuft, nsters, gaillarlie and some of the handsome gaillardia, golds. Some would add to tho marirather stiff, but they keop Zinnias are long 'time and some of the in bloom are very rich in color. Petunias bloom a long time, and are considered uite agree, in regard to. Personally it writer in Suburban tife them, with the epite of all the catalogues and adrert ments you never can make anything bui petunia." 'Mary Alans' of life out of commonplace about always something its purples and magentas-clashes and rule with that of every other flower Op course for you will have mignonett of aweot odori the dear old-fashioned herbs. You of bordering plenty of sweet alyssum for feathery your beds, and a clump of with cut flowers. If ther for mixing sunshiny place in there is a sandy nothing seems to grow well plant it to see how it. You will be surprised ittle care. And what about vines ?-Vines to vines, most graceful of all things that grow-surely no garden is complete withhaps nothing is seteening purposes perhops; the leat is rather Japanese in a a sing the vine makes great growth Dutchman's-pipe, and Aristolochia or are both attractive
beauty of coboes scandens
vines, be better than our old flower none can glory, scarlet runner, and, for lower and the delicate feathery canary vine, f small white flowers, is ith its clusters I wish y youl all pillars.
happiness with your
tarden.

R he: hospital nursing.
Dear .Junia, - Having received much
valuable
information from the Nook, I have come for help in a matter thinking of entering a very little. I am to a nurse. Would you tell me how much education the hospital, and how have? Would an entrance certificate to can enter an have been told that you

APRIL 24, 1918
THE FARMER'S ADVOCATE
three months while probation
Would an ordinary gingham house dre and white apron do, or are the dresses made from a certain material and pat-
tern? Any other information on subject would be greatfully received. Glengarry Co., Ont. STRAWBERRY Writega lottor to the superintendent of the hospital yoū would like to enter asking for all information. Rules differ for various hospitals; there is as yet
no universal atandard of education for tospital nursea. During the probation period an hompltal uniform must be worn.
This difars in the various hospitals, hence, aftor being accepted, you will
have to get information from the supertendent of the one in which you are to

ICING FOR CAKE-ROLL JELLY MKE-MYONNAISE Dear Junia,-I have been a silent
reader of your eolumns for a long time; in fact, I do not remember ${ }^{\text {a }}$ when "The Farmer's Advocato" first started to be Having received so many helpful hints mysell, I thought possibly I could help March 27th., "about the icing cracking This question appeared in miscellaneous Qestions and Anpwors.
cup sweot eroam, boil for fifteen minutes, alavoring as dosired. Beat till minutes, ly cold and aproad.
No. II. : Grate one medium-sized apple. Beat into it ${ }^{\text {t }}$ cup sugar and
white of one ems: flavor with almond. I have a good recipe for roll illy cake. Perhapa nome one would like it 1 cup granulated sugar, 1 cup flour, and 1 teaspoon baking powder, silted togother, 8 oggs, 1 tablespoon cold water,
lavor as doaired. Slightly dampen clean cloth, aprinklo it with sugar, and when your eake is done turn it up on this; sproad with Jelly, roll up quickly, roll the eloth around the cake and leave
until used. until used.
naise recipe to pour on chopped nuts noise recipe to pour on chopped nuts
to use for sandwiches. I would be very grateful for one.
Kindest wishos to
Kindent wishes to Junia and members
of the Inglo Nook. Grey Co., Ont. Jack'S DAUGHTER As you may know, the real mayon
naise dressing eontains pure olive oil Many, however. Who do not like the oil substitute melted butter or thick cream. Here is a recipe for the "real article."
Allow cup oil, 2 eggs (yolks only), vinegar to thin, teaspoon ' "made" mustard, teaspoon salt, i teaspoon pepper, teaspoon sugar, ${ }^{6}$ drops
Worchester seauce if you have it. Boil cold tako out the yolk and mash it in a bowl. Now add the yolk of the other egg (raw) and stir until smooth.
Next add the other ingredients, leaving out oil and vinegar until the last. Add and as soon as all is used thin with the vinegar. Place on ice for one hour bo
fore using.

A NET HAT-CREAM PUFFS Dear Junia,-1 am writing again t
get a few hints as $I$ received much hel get a few hints as 1, received much help
from formor inquiries, and must say
that the Ingle Noold is very helpful to Could you tell me if there is any way
to freshen up a white all-over net hat that has become a creamy color, as all
other white straw hats do on being worn out in the sun?
Also tell me what to use on a cook it seems to all burn ofll just as soon as the fire is started again. Also a recipe for croam pufis.
Middlesex Co., Ont.
I really do not know what you can do rubbing starch and borax (hals and half) into it and deaving it rolled up in
cloth for a couple of days. Brush out the powder, repeating if, necessary. This the sunburn. If still badly burned wet the hat and suspend it in a barrel, in
the bottom of which is a pan of burnthe bottom of which is a pan of burn
ing sulphur. Cover the barrel well. For reply re stove, see an
Mrs. R. M., March 20th. issue.
wat
over
over and a a cup butter in a boiling of flour and stir At once, turn in a cup paste. Remove and let cool. When /almost cold rub in, one by one, three
eggs, without beating them first, when
well mixed well mixed drop the paste in rough lumps (about a dozen) on a buttered
pan and bake in a hot pan and bake in a hot oven. When
nicely browned take out, and when con
cut cut a slit in the side of each and cold in custard or whipped cream. No sod
or baking powder must be used.

FLOWERS FOR WINDOW BOXES, ETC. Please give me a few names of flowers
and plants that will bloom' early and best on north and south side of dwelling house; I suppose I might say shady
and sunny sides of house. What plants of house. adapted to put in boxes outside be best ledge?
Greenville, Ont. FARMER'S WIFE. delightful plans. The list of making given in first Ingle Nist of flowers issue, will enlighten you in regard to those that can be grown in bright bunshine. On the shady side make a deep black barnyard earth soil mixed witb woods soil, then plant ferns, ornamental grasses, Alleghany vines (will not bloom until second year), tuberous begonias, pansies, lily-ol-the-valley bulbe, forget-Fon-nots, and meadow rue.
For window-boxes in a sunny situafums, heliotrope, ageratum, lobelia geranLums, heliotrope, ageratum, lobelia and
ticarlet runner. For those in a shady situation fancy caladiums, trailing tuchsias, maurandya vine, ivy geranium;
some of the begonias, manettia vine asparagus sprengeri, and forns, are Buitable. Morning glories on the nortb side of a house are usually very satisfac
tory as the flowers keep arout, than when in brighter situations. longer If you have to study economy and buy seeds rather than plants for your win-dow-boxes, you may and the following selection , satisfactory: phlox Drum-
mondi, sweet alyssum, verhenas nsummondi, sweet alyssum, verbenas, nastur-
tiums, ageratum, petunias, morning glory, wild cucumber.

PAPERING ROOMS
Dear Junia,-I, like so many others, have ventured to your Ingle Nook for to say that we. as a a lamily, enlow me valuable paper. "'The Farmer's Advo cate and Home Magazine," very much It is such a good all-round paper, all
departments, each give such excellent advice, making it a fine educational
paper. I want advice as to decorating paper. I want advice as to decorating
the walls of my home. The ceilings ere very high, being $10 \frac{1}{3}$. Teet high; the base boards are about is feet high, making the walls look so high and bare I want you to tell me through your
valuable paper how you think best to paper these walls. The living roo faces the east, and has two windows which let in abundance of light and sun-
shine. It has also a buitt-in cupboard with two glass doors. It has a bedroom opening off it, facing the east, morning sun. This is a fine large room. There are also small parlor and
bedroom off it, which is also small. bedroom of it, which is also small.
These are north-west rooms, each hav ing but one window. Now you would greatly oblige me if you would give me some suggestion as to papering these
rooms. I also want to paint the wood roork. Would you advise dropping the ceiling paper on the walls about 12 or 18 inches, and putting an 18 -inch border below that? Also will you give your leads from the living room to the kitchen? This has no light except from doors opening into it. The
ceiling of this hall is 10 feet high also. Would it be nice to have insic
of this cupboard, which is built in the living-room, (which is also used as a
dining-room sometimes) grained imitation natural oak and used for holding Pancy dishes. rather than have them ex
posed to the dust as is the case when a plate rail is used? Now I foar I
have already made this letter too long


## The Meaning of a Name

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hey would have to pay a local tailor.
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When you get the samples, pick out the one yout
like best, take it to your local tair, abik him what
 abide by your judgment sure. That's fair, isn't it ?
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you forget it. Address

## 

 CATRSBYS LTD., Tottenham Court Road, London, Ing.Wee save you the four middlemen's profits that your local tailor has to pay before he eve. Your sutit is shipped five days after your order is received in London, We guarantee
_erfect satisfaction in every particular and detail of the transaction. The' pice 'inctudes the


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ing. He buys in large quantities, secures heavier galvanized fenccan sell to you cheaper than anyone else.


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Thé William Davies Company, Limited west toronto
When writing advertisers please mention onthis paper
receive some help from your Ingle Nook
in this matter. Wishing your paper the best of success. I will sign myself Wellington Co., Ont. "'Troubled." It is a little difficult to suggest wall-
colorings for your house without knowing either the color of the woodwork or of the furnishings to be used in the
rooms.
As, your ceilings are so high we would
suggest drop-ceiling effects throughout, suggest drop-ceiling effects throughout,
having the drops 18 inches or 2 feet, with a narrow wooden moulding below,
the kind used to hang pictures from. This moulding should, of course, be
stained the same as the baseboard below.
For the living-room you might have a
dull, soft-yellow walls sith one of the foliage papers in Which the tones are soft green and
brown touched up with burnt orange or yellow. The woodwork fumed oak stain
If you do not like this plain paper-and especially if you have
some good pictures-yonl grayish green oat-meal paper for the wall. using a deep cream for the ceiling.
Woodwork fumed oak stain. As the romed opening off this is a
bedroom, thus necessitating door be always shut, you might use for it anv of the pretty cream bedroom
papers with dainty floral patterns papers with dainty floral patterns. If
the room were a den or library the wall might be done the same as that of the living-room.
For the pa
For the parlor and bed oom facing
northwest. and with but nerthwest. and with but one window
each. use cream paint or enamel for all the woodwork. Have the drop ceilings deep cream. Beneath the moulding in the parlor use a plain soft-yellow or or
buff paper. A green rug would be I should certainly use the for pretty china if I were you. In fact
built-in china curiosards are more built-in china curtioards are more to
favor now than platerails in any room
which is Some people like graining. keep dusted. I am not fond of it for any Peoodwork
whaterer. whatever; it is always merely an "imi-
tation" of tation" of natural grain. A stain,
dull-finished, appeals more dull-inished, appeals more to me, but,
of course, you must consult your own taste in the matter.
For the dark hall you For the dark hall you might use a
light-tan paper. This would add to the
light without light without being too delicate for a
hall

## The Scrap Bag.

roviding for a a long succession of of bloom thus
of these beautiful flowers. do you not?-that tomato plants do
well when transplow, well when transplanted from the seed-
box to tin cans prep Covering liquids.
Never permit liquids to stand
ered. ered. Old-fashioned butter "patties"
will be found very will be found very useful for "patties"
wide-mouthed bottles and small pitchers fertilizer.

## Bore a few small holes in the sides of leaky pails, tubs. etc. and

 leaky pails, tubs, etc., and keep theseto sink in cucumber, squash or melon beds. Fill, as needed, squash or melon
weak liquid manure.

CANNED Goods

## Canned goods should not only bo

amptied into a glass or earthern dish
allowed as apened, but should be
allow using. Keep in a coof place where the

When SEWING HINT
When making a waist run a thread
around the neck until the binding can be put on. The collar or it from stretching.

HOME-MADE LAUNDRY SOAI
Take 1 lb . lye and +lb , borax. Pour
quart hot water over these, holding
a cloth over the mouth these, holding
the fumes nose. the fumes are very strong. Cool. Melt
5 ibs. clarifed fat, cool pour in lye and borax: and when til as thick as honey. Pour papar-lined tin, and when cool mark of
into calkes.-Pictorial POList Rictorial Review
One part linseed Patent leather ply with flannel and polish of cream. Ap seasónable rectpes. sauce as usual, but Shate :-Make apple add 1 cup maple syrup partly cooked Cracker Pudding :-Roll and soak the crumbs in 8 crackers in (smail), Add $\ddagger$ cup butter, 1 cup warn 3 well-beaten egran sait, 1 of spice, and seedless raisins. Baks. Then add 1 cup dish, well greased, for ${ }_{2}$ in pudding slowly. Stir several times during the settling. to prevent the raisine from Steame
gether 3 tablespe Pudding :-Cream to spoons butter. Add 1 egr, bend 2 table 1 large cup buttermille in which has been dissolved 1 teaspoon soda. Sift 1
cups flour with cups flour with a pinch of salt and
nutmeg and beat in $1^{1}$ cups soaked prunes pitted add chopped fine. Steam 3 hours and serve
with hard sauce with hard sauce.
bread dough. Roll this dough dough from thin strip and spread this with a long, butter. Sprinkle with anely melted dates, roll like a jelly roll and cut in one-inch pieces. Place these pieces flat with milk and allow them brush them double in bulk. Balke in to rise until They are very wholesome and tompting

How to Get Beautiful Lace WRITE FOR BOOKLET some and distinctive lace really handpose whatever, see thace for any purMrs. Addie Armstrong, Olnes , orent of England, elsewherestrong, Olney, Buck

TheBeaverCircle
OUR JUNIOR BEAVERS
Junior Third, inclusive.] First Book to

## Mud Pies.

Sweetened with sugar and sprinkled with Apple turn-overs are really nice
Whe more fun, pies are a great dea
When little cooks bake them out here in
With soft, coaxing touches they mix up
Brown flour is said to be wholesome, you
And if little inngers shall gather a stain,
Why, water and
them again. soap will soon wash
And, after the wonderful baking is done-
The droll, jolly baking out here in the
The sweet little cooks will be happy to somebody gave it, a good slice of cake it, a good slice of cake
-Margaret Sangster.

Junior Beavers' Letter Box Doar Puck and Beavers, -I am going
to toll you about

 to sea
ner atong near the the lake. It wase. fuan
we stopped tor din-



## EVERY PRICE MEANS A SAVING GENERAL PURPOSE [ Steel section harrow -95 Youn enome of tuxem <br> our wo. 21 plow is one of the most popular general purpose plows on the mar Kicdo from best groue sort centre steel, and is especially hardeened and poard is      70-331. PTIOQ, DELLIVERED IN QUEBEC OR MARITIME PROVINOES 11.25 <br> 14-DISC HARROW (3NEIGHT <br> TintाII <br> acaccal <br>  <br>  <br> BNDER NWINE <br> MANILLA AND SISAL AVERAGING 550 FEET TO THE LB. PRICE, Per 100 Lbs. delivered in ontario AVERAGING 650 FEET TO THE LB. PRICE, Per 100 Llos. delivered in ontario  <br>  TORONTO <br>  <br> DON'T MISS THIS BIG OFFER <br> The frame 9s all steel, teeth are inserted in cuatuet steel bars, Armly bolted on top, 20 teeth to section. A strong harrow for general use, thoroughly braced, complete with drag   70-332, Prioc, fwo sootions, as shown above, DELIVERED IN QUE- 6,45 BEO OR MARTIUE PROVINCEB,   cultivator ano DRILL <br>  <br>   beets, parsinps, radishes. car sots, ong suns and other seeds It is unequalled. Outit consists  tvator teeth and improved market drill, fit- ted with automatic force feed, driven from rear wheel. $70-391$. Prloe, DELIVERED in  PROMPT SATISFACTORY DELIVERY

orchard, and we gathered a lot of apples.
Then we started again, and it was seven
o'clock before we got to our next stopo'clock before we got to our next stop-
ping-place. We stayed over night, then we drove down to my aunties. We stayed there three or four days. We
passed through quite passed through quite a few towns. We
were all glad when we were coming home again. I will close now.
LENA COSENS (age 10, Sr. II.) LENA COSENS (age 10, Sr. II.).
Parkhill, Ont. Dear Puck and Beavers.-I have just
been reading some of your interesting stories, and I find some of them quite interesting to read. I have four dolls,
and my sister has five. I have and my sister has five. $\frac{\text { I }}{\text { I have one }}$
brother; his name is William.
He has for pets, two bantam hens and two cats. My father has been taking "The Farmer s Advocate" for several years.
MAGGIE COOPER (age 10, Jr. III.). Kippen, Ont.
Wear Puck and Beavers, -I read your
letters, and like them so well I would Whe to join your Circle as a Junior
Beaver. $\mathbf{Y}$ y papa has taken "The Farm"r's Advocate" for ten years, and all
our family like it fine. Sister says to our family like it fine. $\begin{aligned} & \text { Sister says to } \\ & \text { tenl you she 'enjoys } \\ & \text { writings. }\end{aligned}$ Sherard McLeay's

Mew Model Perkins' Gasoline Engines
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PERKINS' WINDMILL \& ENGINE COMPANY Office and Wareroom: 90 King St., LONDON, ONT. Full Stock of Repal s $t$ London

My pete aro a dög and a cat. It once had a pet colt which I could ride. It
would come to tife door and lift the latch with its nose. One day it came into the summer kitchen and put its nose in hot apple sauce and burned it. I have four dolls and a doll-carriage. My grandpa built me a play-house, and miles to go to school. I like my mifes FLORENCE STEPHENS (age 8, Bk I.), Pretty River Valley, Ont.

Dear Puck and Beavers, $-I$ thought I would write to you; it is my second let-
ter. I will tell you what I have for pets. I have a dog (I call him Buster). and a cat (I call it Tootsie). I have a few chickens. We did have three small kittens, but they went away, and the Loyal League of Bird-lovers. This is a league to protect the birds and animals. HAROLD E. SKELLLETT. London Jet.. (Age 9, Jr. II. Bk.) We are 'glad to hear about your Bird-
lovers' League Harold lovers' League, Harold. Tell us more
about it, won't you?


FEED! FEED! FEED! AT INDUCING PRIGES


PRIGES GOOD UNTIL NEXT ISSUE ONL

 These prices are f.o.b. Toronto.
Write to-day for prices, delivered at your nearest station.
Grampsey \& Melly, porverourt rond:


THIS is for the man who drives a real horse-the man and who is a bit particular about the sort of buggy, harness

The "Jim Slick" Halter
-Just a little nicer

Will appeal to such a man. He will appreciate its fine points. He will
notice the way it follows notice the way it follows the contour of the head -no sharp. Ane will
slants. The "Jim Slick" Halter is made in either $3 / 4$-inch or 1 -inch
leather leather, with plain black mountings, $\$ 1.25$; with leather shank at $\$ 1.60$
same, with solid brass mountings $\$ 1.75$. If your dealer cannot supply you, we will send one, prepaid, on receipt of price. Fill For
delivery to points west of Fort William add 25 .
G. L. GRIFFITH \& SON STRATFORD
ontario


Electric Steel Wheel Farm Trucks


Disar Puck and Beavers,- -As this is $m y$
 it will not be very good. Every Thurs.
day when I come home trom school I day when I come home from estool 1
look anxiously for The Farmer s Avo-

 My dog, which I call Rover, wind draw
me all over the neighborhood on moe all over the neifghorhood on a hand.
siligi, or an exprese wagon.
Ho will
dien also play hide-andregoseogk. 1 think him


 Valentia, ont.

Dear Puck and Beavers,-we live on
the to
 Pleasant living here in the summer-time;
wo get such $a$ good view of the sur, We get such a good view of the gur-
rounding country. I go to school in


 reabit un with them. $I$ have had the
rebit ore over two years, and he is so
veriter






 taking up to much or sour space, hop-
ing this will esacape ing this will escape the w.p. be be Doutias Moolite lage 9).
Black Bank, ont. - -







 Iolington, ont. --


 no prettier view.
He liventes where thero is
Ho the hore of Lake ontario. He lives on the ahore $\begin{aligned} & \text { FRANK HAM. }\end{aligned}$

Dear Puck and Beavers,-This is my

 tho Junior Third Reader, and am am eleven
years old years old. I have two isters, one olven
and one youncer than myer
 will wirte asain and tell you in print, I
oit the about some ot the tun we have.
T will close with mat a ridde.

 Delaware P. O. Ont.
Dear Puck,-We are. not having very


 Monday morning, but it is lots smaner
notrer which is about four $0^{\circ}$ colock in the
alterno

 so people are busy repairing.
We tape
tapmed dute We tapped quite a number of trees,




## Riddles.

If the ice-wagon weighs twe thousan end of the wagon weigh ? Ans. hind What is a kiss ? Ans.-Nothing, divid ed by two. Sent by Verde Northey I went out into the woods and got it After I got it I looked for it, and the more I looked for it the lem I liked it, cause I could not ind mand be sliver. Sent by Hugh Black, Tullamon
Ont.
What does a man set in mis garden first ?. Ans.-His foot. When he hooks her drese. Sent by Florence Deans, Galt. ger. Sent by Alberta thora? Hun-

## Beaver Circle Notes.

M. D., Ont.. wishes some of the girle of . sides of the paper, so their let on both Letters to be printed must be write on but one side of the paper. Do not arget this, Beavers.
be addressed, ".The Beaver Circle must Farmer's Advocate," London," "The Otherwise, in future, they will not be The When addressed simply to to another der's Advocate," they are sent very busy people a great deal of trouble Very many letters are still We made room this week for a fow re very ones whose writers, we knew, were storm and syrup-mpaking. Good Friday's

## No Name Signed.

Unsigned order for pattern No. 7699 has been received from Sendford 7699 Will sender kindly send namo and ad - size required

An electioneer visited a mas to ge his vote. The man himself was out.
but his wife said :-
JI coll "I can't promise you nothing about vote as seems best to himsell?"
The electioneer, after beipg as agree able as possible. rose to go. But first the patted a wretched, mangy kitten on "I'm very fond of cats," he said. "I
shouldn't mind giving you \$5 for that one. The woman jumped at hion
The loctped the $\$ 5 \mathrm{in}$ a drawer, she put the cat in a basket, and, as she ushered the she said :- T ' that vote, sir. best I can for you about Jonathan won't be influenced by anybody. The gentleman that's electioneering for your opponent spent a full hour
here with me uselessly yesterday by the way, he bought the brother of that kitten of yours for $\$ 10$."

A New Mexico homesteader received
from the Department quantity of dwart milo maize seed, with a request to plant it and report the
result. Here is his report: "Mr result. Here is his report: "Mr.
Wilson: Dear Sir-I planted your maize and it did fine. It was the
dwarfest maize I ever saw. But the
jack-rahbits ate jack-rabbits ate it as fast as it got
ripe. Please send another ripe. Please send another lot of seed,
and send along a lot of dwarp ackrabbits to match the maize."

A Philadelphia lawyer and connoisseur search describing some of his experiences in shop," he said. smiling, "and the saleschair. 'TThat there chair, sir.' ho said eye, King of France.' 'Lo Louis Croseose?' said I. 'Why, there's no sucl person.' Oh, yes, there is, sir,' said the sales

CALCULATING YOUR PROFITS PER ACRE
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The William Davies Co., Ltd., West Toronto, Ont.

## The Last Straw

 In the old Dodge City days, the eo travelling evangelist came along and converted Circle-Bar Bill, the toughest Com-wolloper of the lot.Circle-Bar Bill decided to convert old companions, and he determined convert them with. the iHustration of the
necessity and the value of patience and long sumeringnese. He hired a dance hall lor an evening, and the cowboys all aocked in to hear his discourse, "Now," said Circle - Bar Bill, ""'m
goin" to show you leather-skinned geezers goin" to show you leat ther-skinned geezers
the long-sufferingreess and patience a man gits when he is really and truly converted. Th11 stand up here, and you ollers kin heap any indignity on me you ceel like, and I won't kick, although you
thow before I was converted thay warn't ary compuncher on the range who was handier with his gun or his dukes than
mo, Circle - Bar Bill, who is
now here mer circlio- Bar Bill, wh is now here
personityin meekness, and lowliness in the hopes of winnin' some of you unre-
senerate sons of the devil to the proper mode of lite."
Bill folded
Bill tolded his arms across his chest and the cowpunchers began. They threw
potatoes, tobeco
avida potatoos, tobacco quids, dead prairie
bens, and other things at Bill, and he mande no move, but smiled sweetly. Then Groaser Ike, of the Oxbow outht, pro-
diced an oid and timeworn wild turkey ogg, and set Bill have it smack in the The egg exploded, and its contento mile. Ber and obliterated that sweet crowd, shouting : .Fellers, there is aow goin' to be an intermission in this
bere long-sufferin' business until I lick the overlastin' tar outen the whit-livered, bow-legged, chicken-stealin' coyote who
thrun that egg. I ain't lost my faith In religion none, but they ain't no Scrip-
ture that forbids me to whip hell outen "Man who would thrun a egg like
that." - Saturday Evening Post.

Preparations were going on for the Cuneral of a colored resident in a South-
ern town. As ern town. As the negro undertaker
bustled in and out of the house, his
he body of a small darky who had taken his position in the doorway.
'."Move on, niggah, move on," ordered
 as the piccaninny backed the answer
atooriamb.
"Ise de crepe A man travelling in Maine met a mid dile aged farmer, who told him hisfather,
aged 90 , was still on the farm where he was born.

## "Yep; pop's close on 90.

"Is his health good ?" He's been com-
.$\quad$ 'Tain't much now. plainin" for a few months back."
"What's the matter with him "I dunno; sometimes IT think farmin"

Shy But Wild. Fred Kelly stood on a corner near the
railiroad station in Cleveland waitine a car A mild-mannered little man, with
good growth of whisker and a hesitation of speech, came up. The little man was shy; indeed, he was difflent. He
stood rubbing his hands together, and stod rubbing his hands together, and
alternately opening his mouth to speak and then closing it without saying any$\underset{\substack{\text { thing. } \\ \text { Prese }}}{\substack{\text { and }}}$ Presently he plucked up courage, came
over to acquainted in this city ?" "To some extent," baid Kelly "Well,". Whispered, the lititle mant, "par haps your can tell me where the stree
tair tair illy gave the directions. Then he
Kell
 "No." whispered the little man, "not
exactly that, but Tm in exactly that, but $\mathrm{I}^{\prime} \mathrm{m}$ in a show over
there.". "What do you do ?" circus they have there? Well, T'm the wild man.

## Left the Tap Running.

James Rusell Lowell's remark that
Niagara Falls had nothing elso to do mey remind us of the delightful Irishman who-called upon to be impressed
by his first view of "all that wate coming down such a height"-replied
"Why wouldn't it ?"
But the best of Why wouldn't it th it But the best of
recent Niagara stories is told by a Torontonian. Jt is of the housewite
who saw the Falls for the first time. "Oh !" she cried. "that remi.
The M. D.-For a time it would be safer to teed the child moditiod cow's
milk. The Young Mother-But $\mathrm{I}^{\prime} \mathrm{m}$ quite sure,
doctor, that our milkman doesn't seep a modified cow
-Mrs. Hioneymoon (to husband in railmay train): "Do you love me ?" old
Party (conidentially, from other seat, to bridegroom: "She's asked you fortyseven tines already. I get out here,
but T'Il leave the score with this gentle but rlll leave 'the s
man by the window.

## Bigger Crops

and Better Crops
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Top Dressing with
NITRATE OF SODA
15\% Nitrogen 18\%/\% Ammonia
AIL MMEDIATELY AVALLABLE
The only Fertilizer that worke in
Write for our Booklet on Home Mixing NITRATE AGENCIES COMPANY, Bay and Richmond Stroeta.

## Peace Millions.

 willions for dreadnoughts, nothing for poverty;$\begin{gathered}\text { Millions } \\ \text { slaves. }\end{gathered}$
flavery, , nothing for inceling exploiter, surrender earth Millions for nothing, to sink
waves Halt not to reason why, yield up your treasufes:
Reason would break the spell binding you fast.
Jingoists call for blood, offer war's Give your life,

Turn from the paths of peace, think of war's glory-
Widows and orphans to weep for the slain;
Ignorant feuds shall need bayonets $\underset{\substack{\text { gory- } \\ \text { Plutorats } \\ \text { gain }}}{\text { urge }}$ it-your 1oss is. their

Killions for dreadnoughts, nothing for
poverty
millions for Moloch, for Christ but a cent.
Heed
not ${ }_{a}$
robbery
In the whirlwind of nations find time

## A Remedy.

Do you fnd this life is dreary
Is your spirit sed and weary?
At you shudder at the weather,
At the rain and snow toget
There's a remedy entrancing Which will set yo
Has the Little Girl refused you Has ,she haughtily excused you From attenance Sunday
In a dim religious 1 Ignt ? oo not grieve, like other men.

You may start to tile again. | Kepp bees. |
| :--- |

Have you found your job a sorrow
Have you sought in vain to borrow Comfort from the Poot's page For your weary pilgrimage?
Do nou grieve of brother Think upon our littlo plan. Kep bees.
While you dance in fury pointing To the stings you are anointing,
While the whoop with wondorous charm o'ther thelling on your arm, 'er the lamp upon your nose.
You'll forget your minor woes.

$$
\begin{gathered}
\text { so } \\
\text { Keep bees.-Toronto News. }
\end{gathered}
$$

Early Rising in Kansas.
"I reckon," said the first farmer, his neighborhood. 1 am always up
 up before that. and had part of his chbres done. The first farmor thought
he was a liar and decided to find out. A few mornings lefer he got up at two house. He rapped on the back door
and the woman of the house opened it. "Where is your husband ?" asked the Rarmer, expecting to find the neighbor in "He wes round here eatly in the
morning," answered the wife, "but I don't know where he is now.

He Knew What to Expect. A small boy who attends a district
school was vaccinated recently, and after the arm had been dressed the attending $\begin{aligned} & \text { physician } \\ & \text { place a } \\ & \text { ribbon with } \\ & \text { the word " }\end{aligned}$ vaccinated" round it.
At this the youngster spoke up. "Put
it around the other arm," he said. it /around the other arm," he said.
"But that won't do any good;" protested the doctor. "It wants to ${ }^{\text {pro }}$ placed round the sore arm so that the boys at school won't be hurting it."
The lad looked at him in diggust and The lad looked at him in diggust and
replied: "You put it round the other replied: "You put it round the other
arm. You don't know the kyds at our

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Did you ever think that a little money
spen:- in Paint insures your property speni in Paint insures your property
ag inst decay and deterioration, and ag inst decay and deterioration, and
that the amount saved is many times

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If yon have a face void of good looks, spotted, blotched, discolored and poor generallyand want a healthy, clear skin, use
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 cley to wee and that procuces oft
orations quickly, Superfluous Hitr, Molel Wares, tec, pero. Send for it and fres sample of tollot cream. ${ }_{6} 1$ colilese Street


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 MAYPOLE SOAP Cotton, wool, silk and mixturesall take rich, lustrous, even, fadeless shades
when dyed wihh
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In calke form-no
powder to wate
and make a mus,
No trouble
No tro uble
cleaning up after-
ward, for Maypole Soap does not
stain
hands or
24 coloro-will ive iny hade Colon

"Mike, I am going to mate rour
"Mike, I am goi
resent of this pig.
"Ah, sure : an "

POMEIRRY
coraras on

 counted. Cash must always accompany the ordee
for any avorisement under this heading. Partiee
having ood purebred Doultry and eggs for sale
hil find plenty on
 tising than 50 cents.
A DoLLAR per situng. Barred Rock eggs, O.A.C.
 $\mathrm{B}^{\text {ARRED }}$ dolitr pock egss choice utility stock;


 B Div ORPINGTONS- Pure-bred cockereel, 83

 $\mathrm{B}^{\text {Be, EM per } 100 . \text { Chas Hitiker, Norwich, Ont. }}$ $\mathrm{B}^{\text {RONzE Turche }}$ esgs for ceale, also Rouen Ducl $\mathrm{B}^{\text {OERD-TOLAY }}$ - Single comb Rhode Island





 EGS Double Rose Comb R. R . Reds , fititeen in EGS Siver-hced Wyandottes. White Wyan-
doter One dollar per eetting. Cockerets
2wo fity each. John Thomon, Fergus. Ont.



 $\mathrm{E}^{\mathrm{GGS}} \mathrm{Ba}$ Indian Runner ducks, 10c. each. Pure


 Fich
 E ${ }^{\text {GGS from pure-bred vigorous stock, White }}$


 eent each. Norfolk Specialty Farms Co., Ltd.,
St. Williams, Ont.
FAIR VIEW BRED.TO-LAY Barred Plymoter FAIR VIEW BRED-TALAY Barred Plymouth
Rell Rocke pay; why? beause thes are aniformly



NGLEWOOD Buff Rocks won thirteen prizes at
ILondon International last winter. My 1913
matings combine exhibition then

 White Wyandottes, S.
Rhode Is.and Reds,
Bros., Norham Ont.


















 Weob M. Moyer, Box 47. Campden, Ont.
WSSISIDE FARM offers choice S. C. Brown
Leghorn esgat one fify per fifteen. David . Ashworth, Maple Grove, Ont.
Pleasant Filley Farms - Eggs for hatching.
White Wyandottes and C . White eghorns, $\$ 4$ per hute Wyandottes and S. C. White
Srieties, $\$ 2$ per 15 , excellent vecial matings, both GEO. AMOS \& SON, Moffat, Ont.
PERRLESS BARRED ROGKS-

 minar, Mitchell Nursery Co.,Mitchell,One.


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ing. utch as Farm Properties, Help and Situation W, such as Farm Properties, Help and Situations
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Edgar, 16 McGillyl St., Ttoron beot wages to Joseph
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build oronto in the apple belt, good land, orchard. buildings. School, churches, roilway nearchard, 850
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$\mathbf{H}^{\text {ELPFUL}}$ application. Lerature for Bible students free on

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 W ANTED - Good hardwood bush lots, state all
Farmerticiculara and lowest price. Box No. O. S. $W_{\text {be }}^{\text {ANED }}$-Two first-ctass farm hands; must

 must be sober and competent. Apply, giving
refernoe to ability and wages expecte. to
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English firm requires a good export flour. Samples
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Animal Fertilizers
immings, etc.,., of animades, to which is
dded just enough Potash and
acting Nitrates and Super-Phos-
reting Nitrates and Super-Ph
, hates to give the plant
early vigorous start.
early vigorous start
Hirris ABATTOIR Co., Led.,

News of the Week.

## canadian

The Minister of Militia of Canada bas against allowing liquor in the military camps.

BRITISH AND FOREIGN. Efforts at Washington to put catt
Honan, China, is again in the grip o

Over 200,000 workingmen of all trades, went on strike in Belgium on April
14th, in an effort to force the Government to grant them the suffrage.

At the close of the Reichstag, on April eader, stated that certain German armor plate and ammunition firms have been with material to assist in inflaming the preeent agitation in France against Ger
nany.

Mr. Walter Hines Page, of "The World's Work magazine, has been appointed by
President Wilson to succeed Whitelaw Reid as American Ambassador to Great Britain. His selection, says Literary
Digest, is "looked upon as a personal Digest, is "looked upon as a personal
appointment by the Chief Executive, who prefers brains to dollars in the diplomatic service.

## Rebecca of Sunnybrook Farm.

By Kate Douglas Wigsin.
 CHAPTER XXVIT.
THE VISION SPLENTID
year had elapsed since.
Ladd's prize had been discussed over the teacups in Riverboro. The months had day had dawned for Rebecca,-the day to which she had been looking forward for five years, as the first goal to be reached on her little journey throuigh the world. Schooldays were ended, and the mystic function known to the initiated as "graduation" was about to by the sun dawning in the eastern aky. Rebecca stole softly out of bed, crept to the window, threw open the blinds,
and welcomed the rosy light the a cloudless morning. Even the sun looked different somehow,-larger, redder, more important than usual : and if it
were really so, there was no member the graduating class who would has of thought it strange or unbecoming, in
view of all the circumstances. Jane stirred on her pillow, woke, and
seeing Rebecca at the window, kneeing on the floor beside her. "If it wasn't wicked, I could thank the Lord,
I'm so relieved in mind! Did you "Not much: the words of my class and the accompaniments of the heangs;
and worse than anything. Mary Queen of Scots' prayer in Latin; it seemed as "Adoro, imploro,
Ut liberes me!
were burned in my brain."
No one who is unfamiliar with life in ural neighborhoods can imagine the
cravity, the importance. the solemnity if this last day of school. In in the natter of preparation, wealth of detail,
and general excitement it far surpasses
a wedding ; for that is comber simple affair in the in commonly a
suentry, sometimes aven berinning and ending in a visit to
the parsonage. Nothing quite the parsonage. Nothing quite equals
graduation in the minds of the gradu-
ates themselves, their ateunthemselves, their families, and the
vounger students. unless it be the in-
auguration of a governor at the State Caritol. Wareham, then, was shaken to
ts very centre on this day of days.
tothers and fathers of scholar
as relatives to the remotest generation
had been coming on the train and dri ing into the town since breakfast timi old pupils, both married and single, wit and without families, streemed back
the dear old village. The two stables were crowded with vehicles of all sorts, and lines of buggies and waggon ware drawn up along thie aidee of the shady roads, the horses switching their
tails in luxurious idlenoess. The treet ails in luxurious idleness. The streets
were filled with people wearing their be were
clothed with people wearing their bes only "the latest thingo" but the wellpreserved relic of a bygone day. There were all sorts and conditions of me daughters of storekeepers, sons an butchers, doctors, shoemakers, pro Fessors, ministers, and farmers at th Wareham schools, either as boarders o day scholars. In the seminary buildin
there was an excitement so deep profound that it expressed itself in kind of hushed silence, a transient sus pension of life, as those most interested eminine graduates-to-be moment. Th their own bedrooms, dressed with in comploteness of detail to which all thelr prelude. lives seemed to have been but a with their bodies ; but their heads owing to the extreme heat of the day, were one and all ornamented with leads, issue later or dozens of Jittle braids, to to the girl of that sort of curl known hair on leads or papers was Rolling the method of attaining the desired result, night, ther it often entailed a spleepless night, there were those who gladly paid blood of martyrs did not flow, substituted rags for leads and protended that they made a more natural and less the proudest head and reduce, will melt strings the finest product of to flddling pin; so anxious motheris of the wavingover their offspring, waving palim-leaf fans, it having been decided that the
supreme instan supreme instant when the town clock releasing the prisonens from their self kimposed tortures.
Dotted or plain Swiss muslin was the who were st, though there ware those alpaca, because ing in white cashmere or frocks were thought mome cases such wards. Blue and pink waidt ribbons were lying over the backs of ehairs, and praying that had a Roman sash was vanity and pride. might be kept from -
all had wot to any graduating dreas il a month befor clear to Rebecsa unwith Emina Jane, Then, in company kine attic, found piece visited the Perdecided butter-muslin or cheesecloth, and The "rich blacult a pinch, it would do. the thought of dotted swishter" cast and elected to follow Rebecca in her, straigh as she had in higher in cheese cluded hemstitching drawing of threads, such sertions of fine thread tatting such inorder to be finished, Rebecca's that, in Hannah, waist and sleeves to seash to and skirt to aunt Jane. The stitches
that went into the worth only three or four pised material, made the dresses or altogether lovely, and
as for the folds and lines into which they fell, they could have given points o satins and brocades.
The two girls were waiting in their tearful state of mind. She kept think
ing that it was the would be together in this altogether ning of the end intimacy. The begin for two positions had been offered secca by Mr. Morrison the day before one in which she would play for singing
and calisthenics, and superintend the boarding-school: the othorger an assisls in a
place in the place in the Edgewood High School, but the former included educational ad-
vantages that Miss Maxwell vantages that Miscluded educational ad-
might be valuable.

t axstument into a port ot aratatatoton,
 corridern amouncies that in aro minateo the clase would proceed in a


 mate: tao sour rememer in rhe milion

 most hear them clang; and I can't tell whether I am glad or sorry."
"I shouldn't eare how they (sawung or
clanged," said Emma Jane, "if only you and I' were on the same, "if only cate ; but we shan't the same side of the "Emmie anan't !"
Emmie, don't dare to cry, for T'm just on the brink myself 1 if only you
were graduating with me ; that's my my only sorrow \& There! I thats my the
cumble of the wheels ! Peopls will be rumble of the wheels I Peopls will be
seeing our grand surprise now 1 Hug me once for luck, dear Emmie; a care ful hug, remembering our butter-muslin Ten minutes later; Adam Ladd, who had just arrived from Portland and was wending his way to the church, came
suddenly into the main street and stopped short under a tree by the wayside, riveted to the spot by a scene of picturesque loveliness such as his eyes
had seldom witnessed before. The class of which Rebecca was president•was not of which Rebecca was president was not
likely to follow accepted customs. Instead of marching two by two from he seminary to the church; they had
elected to proceed thither by royal chariot. A haycart had been. decked with green vines and bunches of long-
steramed field daises, those gay of New England meadows. gay darlings ol the rail, the body, even the spokes,
one all were twined with yellow and green

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The ease of running, ease of cleaning, simplicity, self-balancing bowl, interchangeable spindle-point, lowdown supply can, the general pleasing appearance and the perfect skimming of the SIMPLEX make it the favorite everywhere it goes.
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Tell us how many cows you milk, and we will give you estimates on what it will cost you to install the B. L. K. Mechanical Milker in your stables. Ask for booklet describing B. L. K. Milkers. Address
D. DERBYSHIRE \& CO., Brockville, Ontario Or G. A. GILLESPIE, Peterborough, Ont. We want agents in a few unrepresented districts.
horses, Rowertrimmed reins, and in the foral bower, soated on maple boughe. were the twelve girls of the dase, side of the vehicle, mearing buttonhole bouqueth of daisies, the clase clower. Rebecca drove, seated on a greanRebece drove, seated on a greanthrone. No girl clad in white muslin, no happy girl of soventeen, is plain,
and the twelve little country maide, and the twelve little country malde,
from the vantage ground of their setting, looked benutiful, as the Jano sunlight filtered down on their uncoverod heads, showing their bright eges, their fresh cheeks, their smiles, and thair Robececa, Adam thougit, in tit tode of his hat and saluted the pretty panorma, -Rebecca, with hor tall slendornoess. her thoughtiful brow, the fire of young joy in her face, her. filet of daris braic-
ed hair, might have been a young Muse of 'sibyt; and the towery hayrack, with its freight of blooming girlhood, might. have been painted as an allegorical
picture of The Morning of Life. It all passed him, as he stood under the dims in the old village street where his mother had walked hall a century ago, and he was turning with the crowd to-
wards the church when the heard a littlo wards the church when the heard a littlo
gob. Behind a hedge in the garden near where he was standing was a forlorn person in white, whose neat nose, chestnut hair, and blue eyes he seemed to know. "He stepped inside the gate
said, "What's wrong, Miss Emme ?" "Oh is it you, Mr. Ladd? Rebees wouldn't let me cry for fear of spoiling my looks, but 1 must have just one chance before I go in. I can be as homely as I like. arter an,
have to sing with the school ; I'm not graduating, I'm just leeving ! Not that I mind that ; it's only being separated
from Rebecca that I never oan stand I"

## ENGLISH HAND-MADE LACE



Before the Court of Public Opinion that it does Excel in Every way All Others
Thousands of women who are using them have rendered an unqualified verdict in favor of the I. X. L. VACUUM WASHER, and these womed merit. Coupon below gives you an opportunity to test it in your own home and

## SAVES YOU \$2.00

If you do, YOU WILL concur in the verdict, as it WILL demonstrate to overalls to the finest and most delicate laces without injury, as there is and friction. your clothes will wear three times as long Washes a Full Tub of Clothes in Three Min-ntes-meno Severe Exertion Dequired it's so easy to operate, a child can do an ordinary family washing and have Sent You Inder a Money Back Guarantee It is the Most Popular Washer on the American Continent. Its popularity
is the reward of merit. Send for one TO-DAY and Blue Monday will be YOU WILL NEVER REGRET IT
you will be delighted


Tho two walked along together, Adam
conforting the disconsolate Emma Jane
until they reached the old
where until they reached the old Emeeting-house
where the Cornmencement exercises where the Commencement exercises were
always held. The interior, with its
decorations of yellow decorations of yellow, green, and whitè,
was crowded, the air hot and breathless the essays and songs and recitations precisely like all others that have been
since the world began. One always
fears the ears that the platform may sink under
the weight of youthful platitudes on such occasions ; yet one can never
be properly critical, because the sigh of the boys and girls themselves, those
young and hopeful makers of to-morrow disarms one's scorn. We yawn desperout to the esssays, but our hearts go
gots, all the same, for "the vision splendid" is shining in thei
eyes, and there-is no fear of "th" inevit able yoke" that the years are so surel bringing them.
in the audience: dear old her husband cousin Ann also. and felt a pang at the
absence of her mother, absence of her mother, though she had
known there was no possibility known there was no possibility of seeing her; for poor Aurelia was kept a
Sunnybrook by cares Sunnybrook by cares of children and
farm, and lack of money either for the journey or for suitable dress. Th Cobbs she saw too. No one, indeed, could fail to see uncle .Jerry; for he
shed tears more than once intervals between the essays and in the his neighbors concerning the marvelous gifts of one of the graduating class whom he had known ever since she was Maplewood to Riverboro when her from her home, and he had told mother that same night that there wan't nary rung on the ladder orame that that child with it. The Cobbs, then, had come, and there
were other Riverboro faces, was aunt Jane. in her black silk made Over especially for this occasion? Aunt knew, but where, on this day of days, was her beloved aunt Jane? However this thought, like all others, came and went in a flash, for the whole morning tures, crossing and recrossing her field
con recited Queen Mary's Latin prayer, she one in a dream. only brought to con-
sciousness by sciousness by meeting Mr. Aladdin's eyes
as she spoke the last line The the end of the programme Then at class poem, Makers of To-morrow ; and there, as on many a former occasion, that she seemed to played so great a part sentiments instead of school-girl verso conviction, her eyes, her body breathed when she left the platiorm the aut and piece. that they had listened to a master of Carlyle or Emerson, or they mitht "We aremembered that the one said, well," and the other, ".. T is the goom It was over book." been presented. and each girl, after tweaks to her touches to her hair, sly ing pats to her sash, had sand careso to receive the roll of harchone forward
bow that had heen thath a thought for weeks. the subject of anxious greeted each graduate Rounds of applause
moment, and Jeremia moment, and Jeremiah Cobb's behaving
when Rebecca talk of Wareham and Riverbas the days. Old Mrs. Webb nvowed that he
in the space of ions, her pew more-the ccarpet, the cush-
iond woodwork-than she sitting in it forty years. Yes, it was
over, and after the crowd had thined a little. Adam Ladd made his way to Rebecca turned from speaking to some strangers and met him in the aisle.
"Oh. Mr. Aladdin could conie! Tell me"-and she looklad dearer to her, and more difficult to win,
than that of the others-"tell Maddia,-were you satisfied?"" me, Mr. I met the child, proud I know the girl longing to. ment the woman !"
(To be continued)


A Piano Owner Paid Us Only $\$ 225$ he now owns an 88-Hote Player Piano HE WRITES:- The Player Action installed in o
Plano abort time ago, we are glad to


 Action and duatid bo pieatect to dye

Wrte for particularn.

## O. sohenty plamo \&

Clinton,
Ontario
CONNOR

## Ball-Bearing WASHER

$H^{\text {ERE is a washer that is fully guar }}$ anted. anted. A bis manifacturng gaorthe dearation stands behind its. And fund the full purchase pricio if any woman who buys it syy she is not completely
satisfed. Under thee conditionse you run absountly
no risk in turely ro risk in tring
the Connor Ball
hen $\underset{\substack{\text { Bearing Washer. } \\ \text { It it dossn't do }}}{ }$ the washing in
half the usual tim ifitdoesn't wash the clothes spotlessly cle and without injury, you don't need to keep it. That's fair, isn't
it Write for descrip-
tive bookl J.H.Connor \& Son,Ltd.,Ottawa, Ont.


FOR SALE Chole White Pe, Renan

 Malden Centre, P. O. ANDERSON.

THIS WASHER MUST PAY FOR ITSELF.



 H

Questions and Answers.

 bomplowid


## Gossip.

The Directors of the Canadian Shire Horse Association are continuing the oflering special cash prizes at exhibitions in Canada for the best two Shire mares or' fillies, any age, owned by exhibitor. It is desired to increase the entries courage the exhibition of those bred in Canada. The prizes are as follows : first prize, $\$ 20$; second prize, \$10; thir prize, \$5. At the London, Ottawa Winnipeg, Saskatoon, Edmonton, Regina and Victoria, B. C., Exhibitions, the prizes are: Special prizes will also be offered at Brandon, of $\$ 25$ for the bes Shire stallion, and $\$ 25$ for the bes Shire mare. The usual grant of $\$ 50$
will be made to the prize list for Shires at the Guelph Winter Fair, and D, two bred and owned by exhibitor, will also be competed for at Guelph. This cup must be won by an exhibitor two years in suc Animals competing for these spe cial prizes must be recorded in the Na tional Live-stock Records, Ottawa, in the name of the exhilitor. In addition to
these prizes, the English Shire Horse these prizes, the two firty-guinea cups
Society is giving tor Society is giving are and stallion at To
for champion mare ronto this year. More stallions and
mares than ever before were imported in mares than ever before were imported in
1912, the majority going to the Western 1912 , the major a larger number of Shir
Provinces. An were also show
previous years.

## Trade Topic.

## Cream Wanted

We guarantee highest Toronto prices, full weights
and prorempt returne. Our 15 years experience
ensure and prompt returns. Our 11 years experience
emaures satisfaction. We furnish cream cans and
pay expreses charges. Wite: Toronto Creamery Co., Limited Get your seed potatoes from "The Highlands of
Oniarto" "The American Wonder"/ very fine
 When writing montion Adrocate
-Yuastione asked by bona-fide auluariber

 didressont be the wrompanited by the full name and
3rd. - In Veterinary
 Veterinary. Last year, cos Trouble. on floor of abdomen. I treated accord and had no further trouble until now teat is enlarged, and I milked two cupHad I better breed her again?

Ans.-Conditions of this kind occa-
sionally occur, and usually give little trouble. Bathe the quarter well three
or ' four times daily with hot water, milk after bathing, and then rub well with ecretion of large quantities of milk until the quarter becomes normal. This,
of course, applies to treatment after fluid out of this quarter daily, even be ore calving. I would not cease to
breed her unless you have serious trouble this year.

THE FARMER'S IDVOCATE


We can prove to you by scientific experiments made in Canada, by the testimony of Agricultural Experts and by results achieved by many farmers in the Dominion, that a complete Potash Fertilizer, a fertilizer which contains from $8 \%$ to $10 \%$ of Potash, pays far better than the average fertilizer, which contains only $2 \%$ of Potash.
Your own common sense will show you the simple truth of this fact. All Canadian crops take from the soil about three times as much Potash as Phosphoric Acid. What you take from the soil you must put back in order to maintain fertil ty. But, the ordinary fertilizers do not even contain as much Potash as Phosphoric Acid, let alone three times as much. They usuany analyze 2-8-2, that is, $2 \%$ Nitrogen, $\%$ or 2-8-10, that is, $2 \%$ Nitrogen, $8 \%$ Phosphoric Acid and $8 \%$ or $10 \%$ Potash
If you want to make the most out of your farm this year do this: Insist that your dealer give you an $8 \%$ or $10 \%$ Potash Fertilizer. If he has not got it and you have to buy a low grade fertilizer, add enough Potash to raise it to $8 \%$ or $10 \%$ ur Sceintific Bureau will tell you free how to do this. Ht. imple and easy: Or, you can mix your own fertilizer a ome if you wish We will

If you will write, telling us what you raise, we will be glad to send you free information concerning how best to increase your crops. This information is prepared by the best Agricultural Experts in the country
We have Potash stored for immediate delivery from St. John, N. B., Montreal and Toronto. Write us to-day for full particulars, and, remember, that the motto of the successfu farmer is:

## "Potash Pays"

German Kali Works Inc.
Room 1832, Temple Bldg.,
Toronto, Ont
work, such as fences, girders, and the
like, from rust and all corroding inrase, from rust and all corroding in
fiuences. Also, as a wood - preserver, natural asphalt effects almost incalcul-
nate savings. Fence-posts dipped and able savings. Fence-posts dipped and
impregnated with it, it is said, can be impregnated with it, it is saic, can be be said of planks or lumber of any kind be said of planks or lumber of any kind
which are likely to be used in damp places. Natural asphalt is one of the most potent agents the farmer of to-day can employ to help him reduce the upwelcomed and used by the intelligent larmer for every possible purpose that it
can be put to.

A little boy was badly puzzled over
the theory of evolution. He went to his mioryer, and asked- He want. to
"Anamma, an I descended from monkey?"
"I don" "I don't know," she answered; ' ver met any of your father's people.

A very small boy was trying to lead "Where are you going to the road. my little man?"" inquired a passer-by. "I-I'm going to "see where-where he wants to go first." was the breathles

for your worn-out hose, if those hose are "Holeproof," by replacing worn pairs free if any pairs wear out in six months. Send for six pairs and try them. With every six pairs you get six guarantee coupons.

## More Than a Million People

In the States and Canada now buy their
hosiery this way hosiery this way-a million regular cus-
tomers. For every pair they wear tomers. For every pair they wear ou
within six months of the day they buy them, we pay them back with a new pai pairs. In all of have to replace many pairs. In all of our thirteen years of
Holeproof," 95 per cent of the output has outlasted the guarantee. That means

## 24,700,000 Pairs

Think what a wonderful record. "Send for six pairs of our Cashmere for you. They are made from the finest yarn in existence, for which we pay the op market price. They are warm and oft, without being heavy. You can ever having to darn them. Think of the work that saves. Think of the conveWe a
making this year $9,000,000$ proof." Don't you want some of them?

We Spend \$60,000 just to inspect "Holeproof." Our iniButevery pair is twice closely examined before it is sent out. That means perect hosiery-no disappointment when
the six pairs are received It means, in all probability. that the hose will last longer than six months. We cannot afford to let poor hose go out,
for we have a great reputa5 Bei. i. 8 -
"Wear/Folepicoof /Hose and Find the Mend"
ton at stake. These statements refer to our entire business, in United States

Order on the Coupon or write us a letter. There are two grades of Cashmere "Holerpoof" for for six pairs. Six pairs for wo Fine, $\$ 3$ $\$ 3$. Every six pairs are guaranteed six months. Colors for men are black, tan, and navy blue-for women, black and tan. Three pairs of children's Holeproof Fill in what you want on the coupon, post card on letter and mailt on theday. Coupon, post what a
wonderful saving in comfort and canderful siving in comfort and money you hose this way for the past 13 years. We have sold
antee satisfart ntee satisfaction as well as wear.

Hole
Holegroof Hosier Co. of Canada, L
Gente I
send me one box of Holepro.....for which -.--....... (state whether for $m$ Hose for
or children). Size.-........-Color...
Weight.-........
Name...
Street...
Crity....


Losses in United States Live Stock.
Some interesting, igures in connection
 the report of the Bureau of Statistices of swine tromem dienease Aghere buene unusual${ }_{1} 15$ heary during the past year ending April 1st, being 110.1 in every thousand,
which indicates a total loss which indicates a total loss of $6,736,000$ ed that 90 per cent. of it was due to hog cholera. The number of breeding sows in the United States on April 1st,
is estimated to be about 99 per cent. is estimated to be about 99 per cent.
of the number held one year ago, and 90.5 per cent. of the number held two years ago.
Losses of cattle from disease during
the past year, are estimated to be 20.5 the past year, are estimated to be 20.5
per thousand head. This is permal loss, and $14.1 \begin{aligned} & \text { This is about a } \\ & \text { per thousand head }\end{aligned}$ die from exposure, which means the loss of, approximately, $1,956,000$ head, at
$\$ 33.12$ each, or a total of $\$ 64.783,000$ $\$ 33.12$ each, or a total of $\$ 64,783,000$.
Sheep suffered loss to the extent of 24.6 per thousand due to disease, and 25.1 per thousand due to exposure. Losses were much smaller in both cattle
and sheep last year, due to exposure and sheep last year, due to exposure,
than they were the previous year, but the total sheep toss represented a money
value of $\$ 10$ year, but value of $\$ 10,082.000$.
About 22.6 head in every one thou-
sand horses succumbed year, a money loss of $\$ 63,817,000$ las All classes of animals showed a comAparatively good state of healthfulness on

Hickman \& Scruby, of Court Lode Hickman \& Scruby, of Court Lodge
Egerton, Kent, England, recently pur chased the famous prizewinning Suffolk Punch stallion, Bawdsey Laddie, for export to Western Australia. The price
paid whs a record for the breed, being


Biscuits Baked in OTHELLO TREASURE
男 The D. MOORE COMPANY, Ltd., Hamilton, Can.

## OIL CAKE

Nothing better for fattening steers quickly and putting them in the market in prime condition.

It is equally good for milk cows. They give more and better milk when fed Livingston Brand

## OIL CAKE MEAL

Prices now lower than during the past several years.

## Also Linseed Meal and Flax Seed

If your dealer cannot supply you, write us direct
Dominion Linseed Oil Co. Limited
BADEN. ONTARIO
MONTREAL, QUE
Coarse Ground. Manufactured by

were alive, and all were of normal size several are dropping triplets lambs, and several are dropping triplets. H. $P$ Jaques, in charge of the sheep, attrib-
utes the heavy lamb crop to the folding utes the heavy lamb crop to the folding
of the ewes on rape pasture during previous to the breeding season last fall.

THOMPSON'S CLYDESDALE SALE. The sale of Clydesdale horses, the
property of J. E. Thompson, Orange property of $J$. E. Thompson, Orange
ville, Ont. prices, while not exceptionally high, and a good average. The two stallions advertised were not sold, but one has beer
disposed disposed of since to Geo. Hepton, Laurel,
Ont., the other being Eleven fillies sold, being still for saged $\$ 411.81$, the top price being $\$ 490$, paid $\$ 411.81$, the
Pettit \& G . This firm took Freeman, Ont., for Ella. fered, the others seven of the eleven of Caledon; J. Hancock, Georgetown; Geo.
A. Cox, Orton. D. Hill, proprietor of Merton Stock
Farm, Staffa, Ont., breeder of ClydesFarm, Saffa, Ont., breeder of Clydes-
dale horses, writes that he has sold the
filly filly Mertoun's Duchess [23701], to W.
J. Cox, of Peterboroug filly should greatly strengthen Mr. Cox's
already already strong string of Clydesdules.
Mr. Cox saw the advertisement of filly in "The Farmer's Advocate." King of Fountain Park, the stallion
tised, is adverrapidly.

Trade Topic.
ment which runs in this paper, of Hicknan \& Scruby, Court Lodge, Egerton, Kent, Eneland. If desirous of import-
ig any live stock from Great
iai attention to supplying cy pay spe-

APRIL 24, 1913
Methods of Seeding Corn.
Corn for forage or ensilage may be
planted in rows or hills. If planted in rows, as usually advisable, the rows
ehould be at least 42 inches apart. The ehould be at least 42 inches apart. The
plants should stand aloout 8 inches apart in the rows. In seeding, it would not be advisable to try to sow as sparsely
as this. It is better to give ars. as this. It, is better to give a rather
heavier soeding, and then thin out to heavier seeding, and then thin out to
the desired thickness with a hoe, when plants are six or eight inches high. If land intended for corn is very dirty Whether from the presence of weed seeds
or couch grass, it is usually or couch grass, it is usually advisable
to plant in hills. The hills should be to plant in hills. The hills should b from three to five kernels should be planted in each hill.
For planting in rows, there are special
corn-planting machines made corn-planting machines made by various Where the farmer has a grain-seeder that sows in rows, he can, by closing up part of the seed spouts, use it as a corn ppecial implement.
It it is desired to plant in hills, again special horse planters are avail able. There are also hand-planters of will enable a man to plant from whic tour acres a day when the land is ready If no planter is available, planting may
be done with a hoe, loot, when the soil is loose and friable If the hill planting is to be done other than with a horse planter, it will be
necessary to mark the land off into - three-foot squares, the hills to be at the corners of the squares. This may be
done by a man dragging a heavy chain done oy a man dragging a heavy chain
back and forth across the fild till it is marked off into threefoot strips, then doing the same thing lengthwise till the whole thing is marked ofl into three-foo scylares.
bowever, is to and a much more rapid, run by horse-power, then mark the fild of into squares by running first length-
wise and later crosswise.-J. H. Griswise and later crosswise.-J. H. Gris
dele, Director Experimental Farms.

Prize Farming Condemned According to the estimate of the Union, over a quarter of a million dollars have been spent in Texas in prize tarming during the past five years, and the recognition which many business men
have given prize farming has caused the have given prize farming has caused the
Union to officially review its effect upon larming, and to point out more practical lines of co-operation for the information fective service to agriculture.
fective service to agriculture.
It has carefully reviewed, from the standpoint of practical farming, the result of prize farming as carried on in the State during the past few years, and
sonsiders it in every instance inadequate, eonsiders it in every instance inadequate,
and, as a whole, damaging to the farming industry. The educational value is too limited to be of any practical use,
it turns the mind of the child from it turns the mind of the child from
practical to fancy farming; its effect is practical to fancy farming; its effect is
immoral where the cost of growing a prize crop exceeds the value of products. It gives the occupation of farming a shildike appearance, and acknowledges
the farmers as delinquent, feeble, and inthe farmers as delinquent, feeble, and in-
eompetent. The assembling of the best products of the farm in a community for study and comparison is considered of educational value, and small prizes
offered after the crop is grown, are not offered after the crop is grown, are not
so objectionable, but the offering of large prizes before the crop is planted,
is deemed damaging to agriculture for the reasons above stated. It is prices, not prizes, that are want-
od. Only one farmer can be benefited by a prize, but half a million profit by increase in prices. The value of the staple crops can be
increased at least 20 per cent, it is urged. without increasing the cost to the eonsumer, simply by a more businesslike method in marketing.
Prices of short-pedigreed cattle (Shorthorns) of the right type are rising
ateadily in England. These cattle are excellent milkers, as well as having good
beef form when dry. Dairy Shorthorns are being eagerly sought by Englann's
home trade at the present time, and for home trade at the present time, and for
this purpose the short-pedigreed short-
horn seems to fill the bill well.

THE FARMER'S ADVOCATE.
LOOK INTO THIS GATE BEFORE you buy any farm gates look into" the "Clay" Steel is the ideal gate-the very gate possessed by no oth r gate. It is the ideal gate-the very gate that all farmers want and have wanted
always. Consider these good points of "Clay" Gates": [1] They always hang true-they can't and won't sag, bend, break, burn, blow down, or
rot. [2] They can be raised (as shown) over snow in winter. [3] Are so shight that a child can work them with ease. [4] Positively keep back breachy cattle.

## Clay


will last a lifetime. They are
fully guaranteed. The leading stockmen of Eastern Can-

uelph, Ottawa and Macdonald College use Clay Gates, knowing their worth. Clay Gates are made of tubular steel of large diameter-far stronger
than gas pipe or tee- or angle-iron, and of heavy wire mesh fabric. They are made in a great variety of sizes and styles-a gate for every purpose. SEND to-day for illustrated price list.
The Canadian Gate Co. Ltd., 34 Morris St., Guelph, Ont.


Clay Grates In a recent competition on the subject of The Ideal Farm Gate," open to the stuGuelph, every competing student, with but one exception, declared "Clay" Gates to be the most perfect farm gate made.

60 DAYS' FREE TRIAL One or a dozen Clay Gates sent "for sixty days' free trial, in order that they may be thousand Clay Gates were sold in 1912 on theuse terms.

## PRO-FAT MOLASSES MEAL

Dried Malt and Molasses for Dairy Cattle and Horses. Malted Corn and Molasses for Hogs, Sheep, Calves and Poultry.

These feeds are both sold at a uniform price of $\$ 28.00$ per ton, delivered to any station in Ontario. They are sold on THIRTY DAYS' TRIAL WITH GUARANTEED RESULTS. They are the only COOKED feeds on the market which make the PROTEIN AND FAT wholly digestible. They are fed as a whole ration or part with proportionate results. When a mother lacks nourishment for her new born babe, the medical man invariably prescribes a MALT PREPARATION, nothing else will produce the desired results. Our PRO-FA MOLASSES will do the same for coice is no higher than ordinary wich are not thriving, and have an opportunity here of procurng a meal a results than any other feed on the market, manufactured or home grown. Send us the name of the seed merchant in your neighborhood and we will mail you an order to get a ton from him or if he will not handle it, will ship direct to you (with guarantee) on THIRTY DAYS' TRIAL. Can anything be fairer than this ? Dairymen will never get the MAXIMUM
AMOUNT of milk from their cows until they use PRO-FAT as AMOUNT of milk from their cows until they use PRO-FAT as
a part or whole ration. Try it and be convinced. Analysis a part or whole ration. Try it and be convinced. Analysis -Protein $20 \%$, Fat 5\%, Fibre $13 \%$.

## Feed Pro-lat Molasses Meal and Watch the Milk Flow Increase

The Farmers' Feed Co., Limited Dept. A, 108 Don Esplanade, TORONTO, ONTARIO

## STEEL WATER TROUGHS

Are strong, rigid, clean and sanitary. Will last a
lifetime. Never rust, never leak, and are frost-
 which rot, become silmy, and are disease breeders.
"TWEED. Steel Troughs are provided with an
outlet for drainage. Send for illustrate
Send for illustrated catalogue of "TWEED"
Steel Equipmente for farmers and stockmen. Steel trough and machine co., lttd. "TWEED" Steel Troughs are made
heavy galvanized stel, thoroughy riveted
and soldered and soldered. Finished round then very
heavy angle steel, om aking them ver
strong and rigid.
Reinforced along the setrong and rikid.
sides, as shown.


5 James Street, Tweed, Ont.

## GLUIEN FEED <br> FOR Dairy Cows

| PRICE <br> per ton <br> $\pm$ <br> Canada Starch Cob., brantiord <br> on |  |
| :---: | :---: |
|  |  |
|  |  |
|  |  |

Mare Your owin tile


Earmers'Cement Tile Machine Co Walkerville, Ont.

Columbia Double Disc Records
Dóeme valus joz youa nomoun



## The Anthony Wire Fence



ANTHONY WIRE FENCE is the cheapest on the market if you value quality and workmanship.
ANTHONY WIRE FENCE is made from all No. 9 hard steel wire thoroughly galyanized. ANTHONY WIRE FENCE has the stay wires tied to the line wires with the strong ANTHONY WIRE FENCE is so constructed that it will not bend down at the top nor roll up at the bottom; but stands up straight when erected.
Buy it and try it, and be satisfied.
live agents wanted in all unoccupied territory
The Anthony Wire Fence Co. of Canada, Limited
Walkerville, Ontario.
Please Mention The Advocate

Questions and Answers. Miscellaneous.

Birth in England. Could you please tell me whether Tand, weventy-flive years Yo Yorkshire, Eng whether there is any way to find ou the exact age of a person born in Eng land about seventy-five years ago?
SUBSCRIBER. Ans.-We do not know defnitely, but
would suppose that they were. would suppose that they were. Get in
touch with the offlicials in the municipality (parish) in which the birth took place. This may be accomplished by addressing a letter to the registrar this municipallt
Boracic Acic for Navel-ill-Tille at
Culvert Entrance. 1. Could you, through the columns of your paper, inform me whether boracic
acid, given to a mare about a month betor foalisg-time, will prevent navel
disease in the colt? If so disease in the colt ? If so, what amount
is advisable to give to the mare ? is advisable to give to the mare?
2. Also, if a large tile put at head of a culvert will cause more water to get away? On a fifteen-inch culvert What size tile would you need to put at
the inlet to cause it to take as much the inlet to cause it to take as much
water as possible? Ans.-1. The belief that colts may be arfected with navel my during poter lite
is not credited by most of our best authorities of the present day. We
would not expect ${ }^{\text {to }}$ get any results from
 view o preventing this sidease. Better
have a ten-percent. carbolis acid solution ready when the colt is foaled, and
apply it to the navel apply it to the navel cord as soon after
as possible, and three or four times daily until the navel drys up, and always have a clean, dry place for the
mare to mare to foal in.
2. You might put a slightly larger tile at the entranse to the culvert, but get away than the size of the culvert. Castrating Calves.
Will you explain how to castrate a
bull call, and what is best age ? Ans.-This should be done as soon as
the calf becomes strong and is dom the call becomes strong and is doing
well, preferably while he is on new milk, but many calves are put on skim milk
at a very early age.
From two weeks
 strong, healthy calf. Oicourse, it may
be done alter the calf is older, but the "set-back" to his development is almost
invariably greuter. Animals are geninvariably greuter. Animals are gen-
erally cast and tied, or securely held by an attendant, and each testicle is seized
in turn with one hand to cause the skin
to be tenco in the skine over it, and a slit is made
in the win
to the a sharp knite, parallel made enedian line; that is, the cut is
made lenwise, or up and down. This Incision should be fairly large, and should
extend to the lowerm extend to the lowermost portion of the
scrotum to allow of free vent after the operation. The incision makes it pos-
sible to free the testicle from the
scrotum. scrotum, but it will still be attached to
the cord. Pass the knife between the middle and posterior parts of the cord
and sever it (this is the membrane hering to the cord), drawing the testicle
away, and breaking the away, and breaking the cord. In older
animals, it is necessary to cut the cord.
It is It is well to use a little antiseptic, as
a five-per-cent. solution of carb
on on the scroturn before of catting, and to
dip the knife fore each incision is made. Large Simply may be castrated without casting mal in a narrow stall, and tie the anigrasp the scrotum and perform the oper-
ation. In place of kicking fuppose would be the case, the anima

## Trade Topic.

 Attention is directed to the advertise-ment elsewhere in this issue of "The St. Mary's 'Koal-oil-King' Engines."' Gas,
gasoline, and coal adapted for use on the farm, simple,
durable, and useful, are manufactured,



Seed Time and Harvest!

So quickly the seasons come and go that the up-to-
date farmer must save time by employing all modern aids to scientific farming.
A telephone on the farm
is the greatest of all time and is the greatest of all time and of the work. through an accident is possible on the farm

The Bell Telephe.
The Bell Telephone Company of Canada has over
190,000 stations in Untario and Quebec, many of these serving farmers. It has di rect connection also with 475
Independent Companies serv ing over 50,000 farmers. More than 9,000 pole miles of Long Distance line connect Bell subscribers with Il points in Eastern Canada
If you have notelenh

$$
\begin{aligned}
& \text { If you have no telephone, }
\end{aligned}
$$ Manager before Spring con truction starts.

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fight aty our home in spare time UNDER CAN
 guess. Learn How. Write for prospectus. 393 SHAW CORRESPONDENGE SGHOOL
TORONT
youre "Canada and Sea Power," byu read Chritopher West? The most IIluminatin
work on the Canadian naval question, $\$ 1.00$. work on the Canadian naval question $\$ 1$, To.
McClelland \& Goodchilld, Publishers, Toronto

## It's Time To Use Fertilizer

Increase the yield and produce earlier and better crops by feeding the soil with STONE'S FERTILIZERS
Pulverized, thoroughly mixed, ready to apply. Will Drill, Broadcast or Scatter

Get your supply NOW from
William Stone Sons, Limited


MONEY
IN
POTATOES


## $\$ 128 \%$ an acre Clear

Yes Sirl We can show you how to make it in potatoes, over and above the cost of seed, fertilizer, labor, marketing and your own time.

With the market price $\$ 1.00$ a bag-and better, it's worth while going in stroag for potatoes and getting every last bushel the ground will yield.

We can show you how to grow 240 bushels to the acre: how to get a double crop from the same outlay of labor and seed.

A lot of potato-growing experience is boiled down and plainly told in "Money in Potatoes." We have culled out the frills that a practical farmer has no time to read. The book is complete, but brief and to the point. See the list of subjects it covers. From this book you can see how other men have got the best results. You can grow and handle bumper crops of potatoes and take the long price.

Clip the Big Crop ered by this Book. Help the Land; Preparing Soil;
Fertilizing; Time to Plant; Selectcultivation; Filight;

$$
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& \text { lure; H } \\
& \text { ing; Sto } \\
& \text { Secure } \\
& \text { your } \\
& \text { free }
\end{aligned}
$$

Coupon to-day. List of Subjects CovBeat Soil for Potatoes: Potatoes
Help the Land; Preparing Soil; ing Seed, Cutting Seed; Depth to Plant; distance between hills; crop
cultivation

## ing bugg \& blight: Spraying mix- ture ; Harvest-

| cops |
| :--- | :--- |
| to-d |

15
$\mathrm{OH}_{1}$
BIG CROP COUPOM

| I am using the following machines for potato raising: | The Canadian Potato Machinery Co., Limited L Galt, Ontario <br> As a Potato Grower I would litika free epy of your book, "Money in Potatoos. |
| :---: | :---: |
| , | Nama......................... .................... |
|  | Addres |

[^1]Questions and Answers. Miscellaneous. Cultivators.
As our land is a mixture of light, loamy, heavy, and clay land, some hilly
and some fairly level, which would you prefer, a spring - tooth or a stiff-tooth cultivator ?

1. For working the soil
2. For killing
3. As an all - round
kind of cultivators do you use on your farm? Has it detachable tooth-points, or is it solid, one-piece teeth ? What is the best widths of shovels to get with
cultivator, or do the sets go with the machine? $A$ A. M. M. Ans.-1, 2 and 3. For working the soil,
a spring - tooth cultivator, or disc, is a spring - tooth cultivator, or disc, is
good. These also have $a$ value in killgood. These also have a value in kill-
ing weeds, but for this purpose the culing weeds, but for this purpose the cul-
tivator must have wide points. As
all - round implement all - round implements, the spring - tooth
cultivator cultivator and disc harrow, are good,
The cultivator used at Weldwood is a The cultivator used at weldwood is a
stiff - tooth one, with wide points, for stiff - tooth one, with wide points, for
killing weeds. The sets of points are purchased with the machine.
Grass, Pig and Feeding Queries.
4. Re "Grass for Pasture," page 702,
"Advocate" for April 10, recommended by Prof. C. A. Zavitz, kindly tell me, through your columns, how to put this
in. Is it put in with oats, or something like that, or put in alone in the
spring ? How long must it be left before cattle can pasture on it, and how
many head per acre can be pastured ? 2. Re "Pigsty vs. Pasture," page
1,500, August 29th, 1912, "Advocate," Commissioner Huson's plan. How many pigs per acre can be pastured in this
way ? Could the same feld be way ${ }^{2}$ could the same field be used
year after year, rotating the year after year, rotating the crops ?
5. What is "corn stover'"? I have lived in the country only six years.
6. My husband is a lumberman, and hasn't much time for farming, so I bave
taken that in hand. of cattle, and are not making anything on them at present on account of not feeding properly. This coming summer
I hope to grow enough I hope to grow enough to feed them
until the following spring to try and do so every summer. I have no silo at present, but thought by raising a good deal of corn and feeding it
shredded, it would, in a measure, take shredaed,
the place of silage. How many acres
of of corn should I plant for 27 head of
cettle? cattle ? Kafir corn and Sorghum, good feeds for fattening cattle and milch cows ? Are they as good as or better 6. In building a dairy barn, is it better to have the cows facing in or out ? How have you got them facing at Weld-
wood"? Ans.-The grass mixture in question should be sown with a nurse crop. of barley, oats, or wheat. Sow a little less of the grain crop per acre than it no grass seed were The grass soeling, owing to its bulky nature, should be sown by hand. The grass is not ready to pasture until the following year. The number of cattle to be pastured per
acre, depends upon the cattle and the grass produced. For the entire summer's pasture, with large cattle, anywhere from one to two acres per head should be provided in a favorable sea2. From one to three good-sized litters could be kept in this way, and the crops could be rotated year atter year
Of course, this is assuming that grain rations are also fed. 3. Corn stalks from which the ears
have been husked, the stalks to be fed have been husked, the stalks to be fed
separately, are called "stover." 4. The amount of corn for 27 head of cattle depends upon whether you intend
to feed summer and winter, or just in winter. Anywhere from twenty acres
down to ten acres, according to which down to ten acres, according to which
system you intend to system you intend to follow.
7. These are satisfactory corn, on the whole, is a more profitable crop. This is a point upon which there | 6. This is a point upon which there |
| :---: |
| is a wide difference of opinion. Some | favor facing out, claiming the cows get more light, and others favor facing in. The stables at Weldwood are arranged

with a row of tied cows facing a feed with a row of tied cows facing a feed
alley in the center of the barn, with box
stal's on the opposite side.

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Early Ohio.... $\$ 2.50$ per Bag Irish Cobbler. . 1.50 Early Puritan . . 1.50 Quick Lunch... 2.00 Early Sunlight. 2.00 Early Sunshine. 2.00
Early Fortune. 1.50 Early Eureka. . 2.00 Burpee's Early. 1.75 Chicago Market 1.50 Early Harvest. 2.00
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State, Delawares, Green Mountala, Clinton, Any, of abovo LATE
Varieties, $\$ 1.50$ per bal. Terms. Cash All O.B. Guelph
sacks ind
clucted.

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 measuremenenta, and weide hos only y 15 pounds. (inside
tub carries a guarantee for five years. tub carries a guarantee for five yearg.
thit is not a
this auestion of whet this tubl, but can you aford to be without it. Bear
in mind, your health io the mot valuale net
you have, and it is necesary to beth the body
 rezularly
FOLDING BATH TUB CO, LMMITED Gananoque, Ontario.

## Strawherry Plants



 splendid kinds:
 Price for any of these varieties, 85.00 per
1,000 , or 75 c . per 100 . 1 have hhe ber twarieties of Red and Black
Rapberries at $\$ 10$ per 1000: 81,50 par 100 . IF INTERESTED WRITE MR Wm. Walker,
Boz 15, - Port Burwell, Ont.
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 SHORTHAND and all emsential business subjects are included theour excellent Home Study Commercial Courres. Many have used hhesece courses as a means toa good
elaried position. We invite yo to write for searied pos
particulars
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SHAW CORRESPONDENCE SCHOOLS.
Yonge and Gerrard Streete,
Write for our new Instructioo Illustatad Cestaloge
on Spraying and
res free. Apple Evaporating Mechnery Co. Inatroin, Ome.

John Deere Spreader The Spreader with the Beater on the Axle


Takeany manurespreader youhave ever seen, remove all the clutches and axles, do aww with all adjustments and mount the beater on therear axie. top of the box is orily as high as your hips Make it stronger. Remove
some two hundred trouble-giving parts and throw them away' You theJohn Deere Spreader, the Spreade with the Beater on the Axle, is like
The Beater on the Axle


Wha and all its driv-
( $\left.{ }^{2}\right)^{4}$ mounted on the on any other spreader made. from the rear arle throuter is taken ary transmission (like that on automobiles). It is positive, runs in oil
and does not get out of order.

Few Working Parts
The John Deere Spreader is so sim-
ple that there are no adjustments. It ple that there are no adjustments. I hassome two hundred
less parts than the
simplest spreader
heretofore made. Thereare no clutch- to throw it into gear. The lever at en the driver's right is moved back until the Out of Gear the rear of the machine all the chains and adjustments have been done away with

AOnly "Hip-High"
(Tecause $\begin{gathered}\text { Be beater is }\end{gathered}$
$\left(\frac{D}{\text { a }}\right.$ mounted on 1. it is only

Elony to Load Bachforkful put just where it is needed. You can alw the center of the load comparatively near the horses, and the weight distributed over four wheels, make the
John Deere Spreader light draft Iproender Data Froo- Telle about manure,
when and how to use it, how to store it, and
 John Deere Plow Company, Limited Toronto, Ontario

THE DAISY GRINDER The greatest habor saving grinder ever placed oin the


 Mg. by W. J. MANDLEY, SHELBURNE. ONT. O. A. C. No. 21 Barley
 JNO, ELDER HENSALL, ONTARIO

Questions and Answers. Miscellaneous.

Perjury and Marriage 1. What age must a girl be before she can marry without her parents' consent? 2. M. man, when getting a marriago License, has not the parents" consent, and
the girl is under eighteen, ind he states and also makes his affidavit that she is eighteen, knowing at the same time that it is not true, is there a penalty fo
Ontario.
Ans.-1. Eighteen yeara
2. He is guilty of perjury, and liable ment accordingly, under the Crimina code.
 that stands betwein us has great stones
in the cornars on his there. corners on his side-whioh he drew that this fence and quite a strip of land will fall to me. Can I compel him to move those stones that he has drawn when the new line is run? Ontario
Ans.-It, eventually, these stones, whic belong to your neighbor, should be as cortained to be upon your land, so ought to request him, in writing, to re time and opportunity to do so. Then if he should fail to comply with such request, or should refuse to do so, you might treat the stones as having been yourself: But we do; not think that yo could compel him to move them.

Horse Died of Worms.
Thad a horse that was not doing very out for aloout 24 hours, and staved good purgative of aloes on the 9 th o april, and on the 10th he took very aick, and on the morning of the 11th intiod. I opened him, and in the bacil Corms some whent about a gallon o They had stopped up the bowels in such manner that the physic could not worl through. Did I treat him right, of Ans.-The question does not state how been given a worm exterminator time time ago, it it in not likely he would is to take three ounces each of sulphate of iron, sulphate of copper, calomel, and powder. Give ${ }^{2}$ and morning, and atter the last has bee given, give a purgativa of oight dram
aloes and two drams ginger. should have been treated as soon
symptoma of worms were noticed.
Purchaser in Default---Conveyancing A sold B a piece of land for twenty
ne hundred dollars, paying one hundred dollars March 1st, at time of agreement
He was to have paid the two thousand dollars April 1st, when A was to have given B a satisfactory deed. B has not ${ }_{1}$. Can A keep the one hundead and sell land to the one hundred doliar
2. Has C ? A. Has B any claim on land?
A has two acres oo land bordering on a twenty-six foot right-of-way: A divides
this piece of land into quarter-ncre this piece of land into quarter-acre par-
cels so that each piece is bordering oun
 ter acre of land?
4. Can A sell each quarter acre by description
Ontario.
$\qquad$ large extent stands. It depends to a terms of the agreement, -which we pre
sume is in very reluctant to declare a forteiture, ne, and much disposed to relieve against to find some way of disposing of the
matter eonitany aster mater A.pparently, he has at present, at
2.


Fenced Against TrespassWhy Not Against Decay?
When you put up a fence it is to bar intruders who might injure or destroy your property. Why not give it the

will gurard your property against every danger from hot sun-drivin "Cockshutt gang" is to an old hand-mixed "home-made" paint as a Machine-made, ready for instant use. Easy to put on, hard to wear off
gives best results at least cost

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APRIL 24, 1913
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to be using the Imperial Anti-Freezing Pump

1The "Imperial" is the
pump best suited for pump. best suited for
all farm purposes. It has a large air-
chamber, extending chamber, extending taining $1271 / 4$ cubic
inches. Has $11 / 4$-inch inches.
plunger-pipe instead of
stuffing-box. The advantage over the stuffing-box is that it
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kets which are self-
expanding, and there expanding, and there-
fore require no attention. Can be used on any sized pipe from
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wells, the plunger can be withdrawn without removing the pump.
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## RINGINGINEARS DEAFNESS DRMARSHALIS CATARRHSNO R

mention "Farmeres advocate."

To Sell Wool in Britain. Realizing the urgent need that some-
Lhing should bo done to encourage sheopraising in Western Canada, and recoos nizing the tact that an improvement ot
the wool trade and of the tacilitien to the wool trade and of the facilities for
marketing that product would greatly strengthen the hands of those engaged in the industry, the Dominion Minister
of Agriculture, according to the Censug and Statistics Monthly, has decided and Statistics Monthly, has decided to co-operate with the sheep-raisers by aid-
ing them in consigning to the British Inarket, under the most favorable con-
ditions feasible, their wool clip of present year. Inquiry into the conditions during 1912, by a speceial offcer of the Live-stock Branch, made it apparent
that the marketing of wool - in Western Canada followed no particular system, and was attended by many of the difficulties and losses which naturally result from lack of organization and co-opera-
tion. It was found that the put up in bad condition. While of good a proportion of foreign matter, was without uniformity as regards classifica-
tion when presented for sale, and consequently proved unattractive to the trade In addition to this, as no permanent lacilities had been provided for storage,
the grower was practically $\begin{aligned} & \text { obliged to }\end{aligned}$ the grower was practically obliged to
take the price he was offered on the ground, and this, in many cases, was considerably below
value of the product.
In view of this situation, and in the light of the attitude taken by the sheep-
men themselves, it became clear to the Minister that he would be well advised in furthering any reasonable scheme to provide for the sale of Western-grown
wool in Great Britain. The strength wool in Great Bin. Whe strength of aged growers, to seek an outlet for their annual clip through the medium of the great colonial wool sales which are held at stated intervals in Brish metropolis. $\left.\begin{array}{l}\text { Encouraged by the support } \\ \text { which the Government is prepared to }\end{array}\right\}$. offer them, it is probable that considerable consignments of wool will be sent
forward this year. - If this is underforward this year. will be put up in much better condition than was formerly the case. It will be graded, skirted, pressed, and sold,
cording to classification. With the adoption of these measures, it is hoped
that the Canadian product may in future command fuller recognition by the trade, and that thus, through standardization, better and steadier prices may to sod
to the grower. to the grower.
It is proposed that the Department
shall co-operate as far as possible with the Wool-growers' Assoclations in the Provinces of Alberta
and if they are prepared to go on with and undertaking, the services of T. R.
the
Arkell, sheep specialist of the Branch, who during the past month has gathered a great deal of information in relerence to all features of the The Depart-
placed at their disposal. The
ment will, in addition, provide two exment will, in addition, prose Saskatchewan and one for Alberta, who will take
charge of the sorting of the wool at the charge of the
shearing-sheds.
It is proposed further that for the
current year 25 per cent. of the freight curfent year 25 per cent. of the freight point of shipment to its destination on the London market, shall be paid by the
Department. The Associations will be
 expenditures and receipts, itemized in such a way that the data so secured
be used in determining what advantages, be used in determining Canadian growers
if any, may accrue to by congigning their wool to the colonial sales in London.
AROUND THE WORLD VIA "EMPRESS OF ASIA. The "Empress of Asia" will leave Liver-
The pool June 14, Calling
Town, Durban, Colombo, Singapore, and Town, Durban, arriving Vancouver August
Hong Kong, ars
Bessel remains 14 days at Hong Koth. "Rate for entire cruise, $\$ 639.10$,"
Kongal exclusive of maintenance between arrival
time in England and departure of "Emtime in Engian," and stop - over at Hong
press of Asia." press $\quad$ Particulars from Canadian Pa-
Kong.
cific. Agents, or write M . G. Murphy,
Nistrict Passenger Agent, Toronto.


The Modern Shine!
Easier to Use Better for the Shoes

## concos no mut

## Count Them in the Fall

Profits depend on the number of chickens matured, not on the
number you satisfied with the average results you secure each year? Just try you satisfied with the averageresuts you secure each of a highly successful season. It is easy! Secure from your dealer, or direct from us if necessary, these preparations.

$$
\begin{aligned}
& \text { se preparations Baby Chick Food } \\
& \text { Pritity }
\end{aligned}
$$

pradts White Diarchea Remedy
This combination furnishes just what you need to grow the best chicks, and lots of them. It starts them hick disease. and keeps the chicks reach threfe weeks of ase, include in their ration a mall amount of
Pratte Poultry Regulator $-25 \mathrm{c}, 50 \mathrm{c}, \$ 1 ; 25$ pounds, $\$ 2.50$.
 Pratts Powdered Lice Killer-25c, 50c,
vill insure Preedom from these troublo mikers. Mon. You thike no rioduct. Remember


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The Best Bargain You Ever Made
SUPPOSE you bought an engine that did practically all of your hardest work for you - sawing, pumping, grinding, etc:-and that paid for itself in a short time. W H Culd you call that al good bargain? it will continue to earn its way by working steadily year after year,

## I H C Oil and Gas Engines

are thoroughly dependable, and unusually durable. The fine-grained, grey cast-iron cylinders and pistons are worked together to a perfect
fit. The ground piston rings insure maximum power from the explosion. The ignition apparatus can be understood at a glance. Tho
fuel mixer is the most effective and simplest known Moving parts aro fuel mixer is the most effective and simplest known. Moving parts aro
perfectly ${ }^{\circ}$ balanced. Bearings are large and carefully fitted. I H C engines are made in all styles - vertical and horizontal, portable and stationary, air and water-cooled; in sizes from 1 to 50 -horso power, to operate on gas, gasoline, naphtha, distillate, kerosene or al-
cohol. Kerosene-gasoline tractors, 12 to 60 -horse power. The I H C local agent will show you the good points of the
IH C engine. Get catalogue from him, or, write the nearest
branch house.

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0 "ALL the losses owners are liable to, none can be less preventell or nodified. in any manner whatsoever than loss by foaling. Notwith standing the best care and attention, although a mare may have foaled owner through the fear of losing by death the often very high eash value of the Beast, not to mention service fee, care and expenses incurred forno avail. Why risk such loss when a payment of a few dollars in premiums would cover you should it happen. Reduce the amount of the RISE by insuring, We issue 30 days, 6 months and 12 months policies with or without cover on foal.

Write for address of nearest agent. All kinds of live stock insurance tranascted.
THE CENERAL ANIMALS INSURANCE CO. OF CANADA, 71a st. Jimead stomer:


Deering New Ideal Binder The Master of the Grain Field

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EERING harvesting and haying machines have established a world-wide standard. Wherever grain is grown, the Deering binder is known as a reliable machine, one that is always ready to go into any field of grain-short
or tall, standing, down or tangled-and cut and bind it all. Deering quality has a name the world over, but the machines themselves are changed to meet the conditions of various countries. For the work in Eastern Canadian harvest fields certain features are added
which make the New Ideal binder particularly efficient The T-shaped cutter bar allows the thicularly efficient
ground when necessary. The reel is easily adjustable to exactly the Sesired height. It can always be held parallel with the cutter bar, whether working high or low. Smooth section knives can be used in in a few minutes. The three packers and three discharge arms help greatly in doing efficient work. The wonderful Deering knotter needs
only to be mentioned

Other strong features as wall thees.
fully by the IH C local agent. Drop in and see himed to you for a catalogue to the nearest branch house.
International Harvester Company of Canada, Ltd EASTERN branch houses
At Hamilion, Ont Iondon, Ont. M. Montral P. P. Q. Theer nedines are bilit at Hamilion, out


Edmonton's Spring Show The horse classes were the feature of
Edmonton's Edmonton's Spring Live-stock Show, re
cently held. Clydesdales cently held. Clydesdales and Percherons
were the breeds to put up the strongest were the breeds to put up the strongest

competition. Aged Clydesdale stallions were headed by Roberts Bros.' (Edmonton) Lord Arnot, by Arnot's Heir, with A. Galbraith's (Edmonton) Proud Edward, by Royal Edward, second. Two-Year-old stallions furnished the champion | Buchlyvie Again. |
| :--- |
| Wrince of Troprain, by |
| This horse, owned by | W. W. Hunter, of olds, Alta., is brimful

of quality, has plenty of substance of quality, has plenty of substance, and
is a good goer.
Roblin Bob stood sec
ond tor p ond for P. McLaren, of Clearwater, Men.
Only one class of females was forward Ruth Mario, an outstanding winner, by by
Boreas, could not be denied rest Boreas, could not be denied irst place,
second going to
to
 Troprain was made grand champion over
McLaren's Roblin Bob, the winner of the McLaren's Roblin Bob, the winner of the
Canadian-bred championship. Canadian-bred championship.
Percheron stallions furnishe
Percheron, stallions furnished some very
keen $\begin{gathered}\text { competition. } \\ \text { Galbraith's }\end{gathered}$ Garoy won the aged class after a tussle with the entry of W. W. Hunter, of Olds. In three
the big, black,
bigh Hunter's entries went second Famous, Hercules Jr., won the two-year-old class for Galbraith. Garou was grand champion of the brees, Canacian-bred chamBelgitians brought out several classes of
merit merit, the main competition being be
tween A. Haazen, of Refina tween A. Haazen, of Regina; w. w.
Hunter, Olds; Deschepper Bros., VilleHunter, Olds; Deschepper Bros., Ville-
neuve, and B. Villitard, of Beaumont. neuve, and Be. Nilitard, of Beaumont.
One of the finest displays of Suffolk Punches ever seen in Western Canada
was brought out by Baker \& Hunt Fort Saskatchewan.
Only two Shires were forward, but
light horses made an excellent showing
The cattle The cattle classes were not as showng.
as they should have been. J. H. Melick. of Edmonton, and Edgar Bros., of Wain-
wright, were the Wright, were the only exhibitors of
Shorthorns, both being milkiny herds Three herds of Holsteins, milking herds. W . w .
Ferguson, Edmo Ferguson, Edmonton; G. E. White, La-
combe, and J. C. Bremner, Bremner, divided honors in these classes, and w.
R. Winslow, of Lacombe, wat .orward
with an excellent herd of Ays forshires Some excellent sheep and swine made
their end of the show very interesting. and on the whole the show interesting,
cided success, notwithstandin was a deFair building mpotetion of the new winter
inding necessary that the
ind
$\qquad$

## Gossip.

Tust as the stud season opens comes
the announcement, as per advertisement stallionther Moordumn, that the Hackney
ton Duke Duke (imp.), by Gar-
Ind Look up this advertisement, and if in
terested, correcsinond Marested, correspond with w. H. Nichols,
Market Hall, Hamilton, Ont.

Nowadays, says the Farmer and Stock-
breeder, we look for the mimmal breeder, we look for the animal as well
as the vedigree. This practical aspect
of stock-breeding should sisted upon. viewed in be strongly in-
the chief justification the right light, tended ot ousturication for the favor ex-
character of the ordeck stock is the high is mucter of the stock bred, so that there
the ath is worthy of approval in the attitude of the lirecter, who looks
tor the animal first
fatterwards.
and the pedigree

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prospective, settler acrea, offers ot the
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to terma, homeated to terms, homestead regulations, net-
tlers' rates, etc., write to
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 ARTHUR ULLYOT. St. Mary's, Ontario

Questions and Answers.
Yeterinary.
Azoturia.
Clyde mare stood idle and was well ed for several days. I then hitched
her, and after driving a mile sho showed distress, body became covered with perSpiration, and hind legs became weak,
and she swayed. A tense swell peared over the loins, and when got to stable she voided dark-colored urine. I gave her a purgative, applied heat to
the loin, and gave 2 drams nux vumica the loin, and gave 2 drams nux vomica
and 2 drams muriate of ammonia twice daily. What was the trouble, and was the treatment correct ? N. J. M. Ans.-This is called "azoturia," a dis-
ease that sometimes occurs in horses when worked or driven after a few days of idleness and good food. It never oc curs in horses that are regularly worked or exercised. When the patient doess not fall down and become unable to rise, the administration of a purgative, and the application of heat or mustard over the loins, and warm clothing, is all that is required, but when they become para1 1szed to such an extent that they canbe given only by a veterinarian
this is often unsuccessful.
Chronic Urinary Trouble.
For some years my gelding has passed after urinating, and the end of his after urinating, and with small sores. Theath is covered with small sores.
There is a very disagreeable odor.
The symptoms always become somewhat alleviated when he is on pasture. Ans.-This is chronic inflammation of Ans - Thisthra, and probably also of the bladder, and a cure is doubtful. Treat-
ment is difficult, tedioup, and often (in ment is difficult, tedious, and often (in
cases of such long standing) unsuccessful. The urethra and bladder should be flushed once daily with a non-irritating
antisceptic, as an ounce of boracic acid in a pint of warm water, and introduced by a syringe. The chronie sores on
sheath should be dressed once daily for sheath should bith butter of antimony, ap-
three days with plied with a feather, and atter that, dressed three times daily until healed, $\begin{aligned} & \text { with a five-per-cent. solution of carbolic } \\ & \text { acid. Give him } 40 \text { drops carbolic acid }\end{aligned}$
Gid acid. Give him 40 drops carbolic acid
in a pint of cold water as a drench, or in a pint of cold water as a drench,
sprinkled on his food, twice daily. will be wise to .get your veteringrian to
explain and illustrate the flushing of th explain and illustrate the flushing of th
urethra and bladder, and probably you urethra and bladder, and probar
might do it yoursell afterwards. might do Recurrent Diarrhoea. 1. Yearling's eyes, nose, and ears
swelled, and she seemed feverish. I gave
 her sweet and aconite, and gave
pentine, and
hor exercise, and the swellings all dis
She did well all appeared in a day. She did well al winter, but had occasional
semi-diarrhea. I think she has worms,
and 2. Pregnant three-year-old mare, whos,
eleven months will be up in three days, is not doing well. She had distemper
and after recovery she broke out in lit the boils where the harness rubbed her
Her hair is dry, and she shows no sign of foaling.
Ans.-1. The swelling mentioned was,
no doubt, the result of a cold. The no doubt, the result of a cold. Th
treatment could not be objected to, ex cept for the aconite, which, if of goo
quality, is a very dangerous drug t
give
$\qquad$
$\qquad$
$\qquad$ of sulphate emetic, make into 24 pow-
and tartar en
ders, and give her a powder every night
ner follow the last one
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ from about $10 \frac{1}{\mathrm{~m}} \mathrm{~m}$.
about 13 months.

OnlarioWind Engines Pump Compary LINES ARE SUPREME
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sold at min the big shows. Wait for them. They will be sold at minimum prices, considering quality. D. McRachrant, Ormstown P. Que
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with breeding and
quality unsurpased - All are for male.

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dons sweeny and all other forms of

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afow daas yhile the horse is belng worked Husua, Contains nothing thet can worked
thuture
the horse and heals without leaving scar.
blemish or loss of hair. We. have do


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fo curare it, Your druggist will obtain Mreck's
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Lymmin Bros. Co., Lad., Toronto, Ont.

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Toronto
Ont

## Shires and Shorthorns



Aberdeen-Angue of Show Form and temon my ofering thyours bill and haifer, i,


Questions and Answers. Miscellaneous.

## Heaves.

A horse about 14 years old has had heaves for some time. Lately he has contracted a cough, which affects him most atter arinking, or after being driven thing we can do to rel. Is there any SUBSCRIBER. Ans.-Heaves eannot be cured, but the symptoms can be alleviated by feeding small quantities of bulky food and grain in proportion to work performed. Always water before leeding, and do not
allow him to drink too much at a time Feed only the best quality of a time Feed only the best quality of feed, and
avoid all dusty or musty avoid all dusty or musty hay. Dampen ball every morning composed Give a ball every morning composed of 2 drams solld extract of belladonna, 1 dram of
 paper and administer.

Fencing on Edge of River. Along both sides of the mill-pond, or
dam, the farmers used to build their fences down into the water, but no fence was required along the water's edge, as
the water was so deep cattle could not g. through. The dam was carried away by the flood this spring, and there is now no pond, and the river is down and other stock can cross the cattle does the question appear from a legal point of view?
neighbor's cattle compelled to fence his 2. Is it sufficient if he fences his own 3. Can his neighbor be made to keep his cattle on
Ontario.
Ans.-1. No.
2. Yes.
3. In effect, yes. He can be prose-
cuted for trespass if he fails to do so.

## Veterinary

Congenitally Weak Eyes Colt, now three weleks old, when born fluid, and sometimes a little matter.
They are no better now They are no better now. E. A. gradually
mecome stronger. In the
meantime, grains atropia, dissolved made of is grains
distill
into into each eye twice daily, out of a drop-
per, or with a feather. Cystic Calculi Perio 1. Bough Periodic Ophthalmia. had difficulty in urinating. He passed
only a little at a time. He this way ever since. He is in good
condition. condition.
2. Horse
It got bet It got better, and then, over his eyer on, got
worse. I blew burned alum in it, got it got all right, but is bad now again. Ans-1. The symptoms indicate cystic
calculi (stones in the bladder) calculi (stones in the bladder). Medi-
cines do no good, and an operation is very difficult, and seldom successful. He
may continue as he is, and a calculus
may may enter the urethra at any time and may pass, but may become lodged and
cause a complete stoppage, in which case cause a complete stoppage, in which case
a veterinarian may be able to locate it and operate. I would advise you to
have him carefully examined by a veterinarian, as my diagnosis may not be
correct 2. This is periodic ophthalmia. The
attacks cannot be prevented, and a cataattacks cannot be prevented, and a cata-
ract, causing blindness, is ilikely to be
the result sooner or later. Treat each attack. Get a lotion made of 15 grains
sulphate of zinc, 20 drops fluid extract
of belladonna, oflladonna, and 2 ounces distilled
water. Bathe the eye well with hot
water three times daily ing put a few drops of the lotion into
the eye. Discontinue no eye. Discontinue the bathing
soon as the acute soreness disappe
but continue wither but continue with
eye becomes clear.

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market. The best and most popular silo made


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montho old ${ }^{\text {Their }}$ dems are exveptonally heavy
milker. Write for prices and particulars. WM. SMITH
D. phone. Columbus, Ontario.

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fine massive bulilo of a apatital milking strain 3 -year-
old, our own breding and all right. Also one old, our own breeding and all right. Also one
good ret two-year-old and one sisteen months.
All of the Dual-purpose stran and can be bought
Ao the toill worth the price. Write, or better still, come and
see them. John Elder $\&$ Son, Hensall; Ont.

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Preeent offering: Young bulls and heffers from
 rams, and ewe lambe, and ewee of aill ages bred to
tmp. rams.
Clover Dell Shorthorns
 SHORTHORN Bulice and Helt fers隹

## Fire Protection.

 Volunteer frremen have, on innumerableoccasions, done yeoman service in tecting life and property endangered by fre in the towns and villages, and even
the cities, of the settled part of CanChe cities, of the settled part of Can-
ada. In the re-awakening of the pullic to the danger and loss caused by forest fires, volunter firemen have again been
brought into service.
The volunteers in brought into service. The volunteers in
this case are Indians, living in the district botween Lake Winnipeg and the
tudson Bay, in the Hudson Bay, in the aree traversed by
the Nelson river, through, or neer which,
 the Jummer of 1911, J. T. Blackford,
Chief Firo-ranger of the Northern Wanicoliee Fireranger of the Northern Mani-
tobe Fire-ranging District, spoke to the Indians of several bands, and induced them to promise to halp to prevent fires.
In biome cases ho In some cases he got them to sign the
following pledge: "WW Indians rollowing pledgs: "We Indians appreci-
ate the work the Government is
idoing to prevent forest fires in our district. We pledge ourselves to do all we can to help. We promise to put out our own
camp - Area every time before leaving camp- Ares every time before leaving
camp. We accept the beadges given by the Governent as a pledge." The
hadges referred to are emall maple leaves
hat badges referred to are emall maple leaves
of metal, which can be pinned on the of metal, which can be pinned on the
clothing, and the account given by Mr. Blackford of the way in which the $\begin{aligned} & \text { In } \\ & \text { dians received them is interesting. }\end{aligned}$ writes: "One and all were very much pleased with the badges given them.
They pinned them in all sorts They pinned them in all sorts of places on their clothing, where each one's lancy
thought the most conspicuous place One man, would not take hite badge until
he had frrst washed himself and changei he had frrst washed himself and changed
his shirt, and then the badge was used as a collar-button or brooch. Hato and
shirts, were the favorite spots for adorn ment, but not a fow-after carefully to keep them-would fold them in cloth A groat percentage of them feel that they are thus, after receiving the badgo
from the Government, constituted mino chiofta and guardians of the forest.
John A. Crep farming. Jushn A. Craig, Prolessor of Animal
Husband at at the University of wisconsin, and later at the Iowa state Cologo
well known as the author of that great book, "Judging Live Stock," has writ ten another book, entitiled, "Sheep Farming in North America." This book, on its merits, should prove just as popiulai
to sheop-broeeders and those interested in this class of live stock, as "Judging
Live Stock". has done to all those interested directly or indirectly in farm stock. This new 30 -page volume, pub
lished by the Maemillan Company, Toronto and New York, contains some firty-five excellent illustrations, which serve to bring out the points discussed
very vividly.
Divided into twenty- Ave very vivily. divided
chappers, each discussing a particular phase of the sheep-breeding industry, the
book covers all branches of the business, but lays particular stress upon the value
of sheep in intensive stock farming of sheep in intensive stock farming.
"American farmers, as a rule, are not prepared to give sheep the attention they will repay, or that is necessary, if the possibilities of employing them in the
utilization of high-priced lands are to be realized." This volume contains many practical Ideas
come of developments of recent years, and are not to be found elsewhere in
book form. "The economic advantage book form. The economic advantage
of sheep, as compared with cattle, lies in the fact that they produce more liberaily in proportion to what they con-
sume. Though smaller in size, they con-
sume. sume more feed in proportion to their
weight, and because of this a large proweight, and because of this a large pro-
portion of what is eaten goes to in-
 are those on breens, diseases, founding
focks, improving the fock, autum, win-
tock ter, spring, and summer management.
wool, early lamb raising, fattening, and preparation for show. "Sheep-raising has
passed passed through more serious changes
during the last century than any other branch of the live-stock business. It
bas had its ups and dows, and for
has has had he has not been given the atten-
some time and
sols its importance warrants it tion which its. importance warrants
should receive." This book is very timely, coming out just now when sheop-
breeding shows an upward trend. Write to-day for this book, which may be had
for $\$ 1.60$, postpaid, through this office.

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If pou mant a strong and Roof covering use
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rinil/Allic Roorine toranalicturartioec


## Calves Without Milk-

 BLATGHIPORD'S GALF MEAL
 THichmo Mnutimion oix ix cinaxivisizis mind bont is Toronto

\section*{| fr |
| :--- |
| su |
| su |} think it injurious to the spine to cut

from the upper side? Would the pres-
sure be apt to paralyze their back or
legs ? We have not seen anything about
the best way in "'The Farmer's Advothe best way in "The Farmer's Advo-
Ans.-In our issue. April W. M. there appeared a somewhat lengthy article, on page 624, explaining the best
method of castrating and docking method Estate Matters lambs. Estate Matters
A. makes a will, leaving everything to B. But C takes care of A the last few
years of A's life. A leaves money enough to pay for all.

1. Can C claim wages for nursing A? 2. How much a day, or week?
2. How long back ?
3. Who has to pay doctor bills and funeral expenses ? M. A. T.
Ontario Ans.-1, 2 and 3. Assuming that C is such wages unless she is in a position to prove an agreement on the part of
A to pay same. 4. A's estate, through the Executor
of his well.

> Hens Die-Grease.

1. About 15 per cent. of my hens get
sick and die in the course of sale combs and wattles. fat-a lot of
Pare internal fat-a large growth inside of a
soft grayish texture; sometimes a sort grayish texture; sometimes a smaller
growth, too, like chewing tobacco.
sometimes the large growth is no bigger than two marbles. 2. What is the cause, cure, and scien-
tific name of a condition of the fetlocks something like "scratches," only something like "scratches," only the
exudation is bad smelling ? H. J.
Ans.-1 Ans. -1. The growths may be some
kind of tumors, but we cannot be sure about it from the description, as you do
not give location of them. Are the hens not give location of them. Are the hens
too fat? Sometimes very fat hens die
of apoplexy. Would suggest that you send a bird to the Bacteriological De-
partment of the Ontario Agricultural partment of the Ontario
College for examination.
2. This is called grease hell. Cura-
2ive treatment consists in purging with 8 drams aloes and 2 drams ginger, prepared by a druggist, and given as a
ball. Feed bran mashes until purged,
and follow up with $1 \frac{1}{3}$ ounces of Fowand follow up with $1 \frac{1}{1}$ ounces of Fow-
ler's Solution of Arsenic twice daily for
week. Local treatment a week. Local treatment consists in
applying warin poultices of linseed meal,
winh six or seven hours for a charcoal, every
nine dights, and then applying three thees daily a lotion of one ounce each
of acetate of lead and sulphate of zinc. pint of water. Always feed moderately
to lightly on grain, and exercise regularly. The
disposition.

## Questions and Answers.

## Miscellaneous.

Line Fencing.
A owns a wood-lot unoccupied. If the
road fence were removed, can B and C road rence were removed, can $B$ and
owners of adjoining property, compel to keep up half of the line fence?
Ontario. A CONSTANT READER. Ans.-No.

Land for Corn.
Which would be the better ground to
plant to get a crop of ensilage cor plant to get a crop of ensilage corn
(Improved Leaming), an old pasture field broken up last an old pasture fallow and buckwheat lands? The soil is mostly black.
too many old prubs (cute, if there are not too many gr
worms) in it.

Shed Roof.
I would be pleased if. I could get a
plan bf a self-supporting roof that would plan of a self-supporting roof that would
be suitable for a closed-in shed at church. Could such a one be built without beams, shed to be a frame, and 40
feet wide, one-third pitch OLD SUBSCRIBER. Ans.-We have no plans for such a
building. If any of our readers have any, they are invited to submit them to
"The Farmer's Advocate." A building
.' 40 feet wide would need some kind of ro

Cutting Lambs' Tails.
Which is the proper-way to cut off
lambs' tails? Should they the upper side or under side cut from think it injurious to the spine to cut " for a long time.
hod of castrating and dock

THE FARMER'S ADVOCATE.
FOUNDED 1866

Cattle Feed Economy
MAPLE LEAF The question of feed is as much an
economic one as any other and involving an JINSEED OIL CAKE tion of hand. It is a question of scientific farmer knows the importance of chemical values with reference to soil, manure and
feed.
You could almost starve a cow to death.
on a purcly heat-forming ration, or reduce your milk GANADIAN BRANDN T-It is absolutelye Advantages of "Maple Leaf" Cake fed ot is absolutely pure and relatively the cheapest, he uthiest and IJmost concentrated form of
coarse fodder containes well with all kinds of feed, including bran, shorts or corn meal. Cheap
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lfers young bulls and heifers for sale;
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APRIL 24,1918
Questions and Answers.
Miscellaneous.
Buying Cattle.
What price should a drover pey, at a point sixty miles from Toronto, for cat-
to worth 7 F . in Toronto, in order to the worth 7 c. in Toronto, in order to
clear expenses and leave a fair proft? cloar expenses and leave a fair proft?
Have the papers a reliable way of find Bave the papers a reliable way of finding out príces of the different kinds of live stock ?
Ans.-The question could be more readIy answered by someone who has had oxperience in the shipping business. Find out the fretght rates trom the railway company, and the average shrinkage
from a reliable en drover, And then it remains for you to place an estimate the value of the drover's time and the the of the money in buying the stock. From this, the margin in prices to produce a good proft can easily be ifgured The papers have reliable expert marke

Drainage Connections. In draining my fild, have I the right to connect tile on to neighbor's drain
Also, has neighbor right to charge for midd connections? SUBSCRIBER. Ans.- -11 the neighbor's system is al-
ready instalied, and a larger tile would be necessary because of the extra drain-
ane to be dumped into it, you would age to be dumped into it, you would
ulkely have to pay the full cost of the inconvenience and the extra size of tile. If his system is not already in, the
thing to do is to get together and arthing to do is to get together and arrange the amount each is to pay, you
bearing the extra expense of the tile necessary due to the larger size required to carry your, water as well as your fusted between yourselves. natural course for your water, you can run it that way, but must bear a just share of expense incurred. If after re peated ellorts to come to a satisfactory
settlement, you cannot agree, the eng neer will have to be called to make an award, but if properly managed this houla not be necessary.

Sales of Incumbered Farm. confirmed by a written agreement, with one hundred dollars paid down by B to settlement and transfer shouldes that the and completed on the first day of March, 1913. It further provides that B should have possession of the farm last fall, in said agreement, and as prill hovided for
hor session. B, acting in good faith on the said agreement, sold part of the tarm to C , and gave C a similar agreement and $B$ signed ween $A$ and $B$, Both $A, ~ a g r e e m e n t, ~ b u t ~$$A^{\prime}$ s wife did not, and now she refuses to
tign the deed. What course would you advise B to take to procure the deed? 2. There is a mortgage on the farm,
given by A to D . The conditions given by A to D . The conditions of
the mortgage have not been kept by the mortgage have not been kept by A,
and D is going to foreclose the mortand is going to foreclose the mort-
gate. If he does so what effect will it
have upon the agreement between A and B?
3. It B can buy the mortgage, would it be to his interest to mortgage, would
io so ? the mortgage, and the price went higher at the sale than the purchase price
agreed upon between A pand B, who agreed upon between A and B, who
would have the right to the difference, would have the right to the difierence,
A or B ?
SUBSCRIBER.
 2. We assume that $D^{\prime}$ 's mortgage is
prior to B's agreement with A , and was prior to B's agreement with A, and was
registered, or, at all events,.that B had actual notice of it betore the atreement
was made. Such being the case, D's rights as mortgagee would prevail over
those of $\mathrm{B} .-\mathrm{B}^{\prime} \mathrm{s}$ agreement is subject to both D's mortgage and A 's wife's dower interest.
4. Yes, especially tainy a bar of dower by $\mathrm{A}^{\prime}$ ' wife, and
was exeeuted by her as well as by A . $5 . \mathrm{D}$ would probably pay the surplus proreeds of sale into Court, and the fund
 wold be determined by the Court, and

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Moodhine Holsteins $\begin{aligned} & \text { Herd headed by King Segis Pontiac Lad, whooe } \\ & \text { sire } \\ & \text { Sire }\end{aligned}$ Nor-y Pour-year-olds that average 30 lbs. exach
three-year-olds His. His two grat gran Evergreen Stock Farm High-class Registered Holsteins For sale: A few choice young bull calves and females, all ages ; good enough for foundation stock
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also herifer and young cows in calf. G. T. R. R. station on farm. and M. H. HALEY, Springford, Ontario
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 Prize Chester White Eyine. Onge
 price, Wrisht \& Son, Glanworth P.O., Ont. "Are you troubled with insomnia-

"That so ? I'vo got it awfully bad. The doentor afficted now about two years. lexitio.
"T'vo had it about eighteen months,


Questions and Answers Miscellaneous.

Bumble Foot
A fow yeare ago we had a turkoy that took awolled foet, and ever singo our
henas have taken it. What could Id to got rid of it? E. A. Ans.-This ie likely bumble foot, a non-
contan contagious disense, caused very often by
the birds jumping from high roosts. If taken darly, wash with strong vineger, and apply tineture of cocaine. If the ing, open by making two eute in the ohape of an $X$. Wash out all pus, with
warm water containing carbolie acid, and warm water containing carbolie acid, and
epply
altrete of eilver, 10 . greine to one apply yitrete of enver,
ounce of dilutiled water.

Miscellaneous Queries.

1. What is the cause of goese laying aoft-aholl egge ? I have ted two young
goues all winter on whent barley, and buckwhoat, miled, all that they could eat. and all the egge that they have
laid are soft shelled. Can I do anything to provent this ?
2. What in the beot thing to food young ducks when frat hatched ?
3. What is the cause of lambe coming wrong. I have lost two lambs and one turned one lamber side. This with ewe died. Another came with its front leg turned back.
ad that I pipes in my cistern are so rustd dhat, I cannot get them apart. What
can I put on them so I can unscrew them?
Ans,-1. This is likely due to an overLet the geese have a free run, with accens to the ground and grit, and they
will likely be all right. Also cut the will likely be all right
4. Nothing ie better than ahort dampened.
5. Malpresentations cannot be accountfor. They frequently occur under 4. Try eoal oil.

Trees Injured-Cedars-Horse Queries 1. Lant apring I planted a dozen apple soft days in January the eattle got out of the yard and ate the trees ofl below any of the limbs. Would like to know ment would they need?
2. I intend planting a cedar hedge around a lawn this spring, and would hire to get information in resard to how plant trees. 3. I have a blood colt riving two
ears old. This last while a puff about the size of an egg rises on the front on the inside of the right hind leg, at the
hock. The puff is soft, and practically hock. The puff is soft, and practically
goes away sometimes. She shows no signs of lameness.
4. Horse got kicked on the hip. Would
you kindly prescribe a wash for ame ou kindly prescribe a wash for same?
Ans.-1. This depends upon the amount the tree. The trees, if hardy, will likely throw out new shoots this spring. of course, if the injury is too severe, they
will likely die. If they are badly peeled wrapped up to keep the sun and air from drying them out. May or early in June,
2. The last of is a good time to plant. The distance apart depends upon the size of the trees,
to some extent. and to the method of pruning the hedge. Small trees are,
usually, the best growers-say, trees fron usually, the best growers-say, trees from
one to two feet high. Set these so
close tozether close tozether that their branches touch.
Have seen very ine hedges where the trees were several feet apart, but they
required more training. required more training.
3. Try one of the proprietary remedies
advertised in this paper advertised in this paper. If this fails,
get a blister of 2 drams each of binio-
dide dide of mercury and cantharides, mixed
with 2 ounces vaseline. Clip the hair with 2 ounces vaseline. Clip the hair
of the parts. tie so he cannot bite them,
and rub well with the biver add rub well with the blister daily for
two days. On the third day, wash off
and apply sweet oil. Let stall now, and oil every day until the
scale comes off. parts sweet oill, and dress with this
three times daily until healed
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[^0]:    drinking at meals
    Ques.-Should liquids be taken during meals, or afterwards?
    Grey Co., Ont.
    Ans.-I don't know. A lot of theoretical arguments may be offered one way
    or the other, but people vary so in thi or the other, but people vary so in this
    respect as in many others, that it is very hard to say with any certainty which is better. The choice is probably
    wot much more in favor of one than the not much more in favor of one than th
    other. The most practical thing to d other. The most practical thing to do
    is to try for yourself, and then stick t
    whichever suits you. If you find tha either way, carefully - and consistently
    carried out for a week, really shows any carried out for a week, reully shows any
    great improvement sver the other way, great improvement
    please $\quad$ let me
    much interested.
    The fact is that milk is 87 per ce:n water; vegetables are from 80 to 91
    per cent. water; oatmeal porridge is 81 per cent. water; oatmeal porridge is
    per cent. water; eggs, 73 per water; even meat is 50 to 60 per cent.
    water, while bread is one-third water and so on. Tea and coffee are almost

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