
*Agriculture, Stock, Dairy, Poultry, Horticulture,Veterinary, Home Circle.*
MARCH 16, 1903. WINNIP published at

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CALEB JNKMNB: HIS LETTER (ILLUSTRATED)
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plowing Thiptite (hllubtration). Office Cöbibined (hlilus.)

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lme.-Wryneck and Roup: Ratring Tu
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ted a Honey Exchanom


IN SOW: HEIFER WITH A COUGH; BWDLLENTON; AGALACTIA
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KIDNEY; EKWE YOMITOT; LUMP ON THROAT; TOHPIDITY O







NOTES AND NEW8. - Forestry Asecher





 home magazine.

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druggist kepps it. Use it for a and, if it succeeds, the cost is only
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## A COMMON MISTAKE.

 When an animal is badly out of condition, of his feed, and verhaps covered
with blotches or sores lice ho appear, and it is a common
mistake to attribute the condition of the animal to the presence of the parasite
whiereas, in reaity it is in the blood of the out-of-condition anit mal that have attracted the parasite.
The mission in life of tle animas it is questionable if it it is of adves, and moved by other means than by depriving him of his misssion.
ot prasite (sheep tick or louse) can-
ot live on an animal whose blood is
 A pure aromatic ard to dipestion, such
is Herbareum is muarantecy to regulate the dilestive oed to be, will
thus purity the and
diood. WS the blood is freed from impurities he must find other fields of lator of Sine of Canama's ioremost chibitors of mather carries weight. Ite says

 ing of this materp,saict: "Lice will not
tay. onl al : animal who is getting HerCainsille, omt... a practical feerler, and
exporter of cattle, sulas : ."In restocking , my stable in . January, thero aro al-
ways some of the animals badly troubled with lice, but ore morth's use of Hereeps the skin soft, silky and pliable "cm

## FAIR POSTERS

 The London Printing ànd Lithographing Co,

# Farmer's Xidrocate 

 and Home jragazine.
## CSTABLISHED 1866

Vol. XXXVIII
LONDON, ONT., and WINNIPEG, MAN., MARCH 16, 1903
EDITORIAL

## Rural Electric Railways

The widespread interest now taken in the de rempment of rural electric railway lines has sug
gested to the "Farmer's Advocate" the desirability of making a special enquiry by members of oir stafi into this subject, the results of which Before considering the question of building a
Iral electric rad rural electric road, three important conditions lation to be served by the road ; second it popube a car-riding population; third, the mileage must not be excessive for the population served. other conditions, such as the topulation served. country, the cost of the right-of-way, spectal inbearing on the situation, but the three enumeratted factors are those which determine the sucwes or failure of the enterprise.
The first condition, that of a large population to) bee served, is always of first consideration, bemalse on the carrying of passengers, and not or the handling of freight, electric roads alnost encenters of population for terminals, and the diw tance of these centers apart must depend upon the density of the intervening population in villages or purely rural districts. As the intervening population decreases, so the line must shorten in mileage if the road is to pay. So far it has
been impossible to say how much oi a popwation Ween impossible to say how much of a population appear, however, that the sparse rural population njors the advantage of electric-car service large1. because the latter is so much patronized by The second condition, namely, the nature of the population, may so vary that the first con-
dition would seem of lesser signiticauce fation that is composed largely of the middle thasses is the best for electric railroad patronage. The rich drive and the poor walk, but the middle Classes always have the car fare, and so are the statistics shows that Canadians are more liberal fatrons of the car than Americans. In Har:is$110 r g$, Pa, the returns from the street railway for
1902 was four dollars per head for the mopulation. In Hamilton, Ont. a cit the whole "qual size, the retums were five dollars per head. Among the greatest special sources of income are run by the companies ancursion trips to parks the rural population does not verve largely contribute, but they are maintained almost wholly y the middle classes of the towns. ditlicult considerations with which the electric road promoter has to deal. In this connection, not only must the distance between terminal momts be considered carefluly, bat the question of mimpetition is also involved. When considering rond already in operation and the number of miles likely to be built in the immediate future already at the service of the public. In neither If these cases can a fixed rule be whatlished that would determine the number of miles of railroad that a certain number of population would sup)-
cause the class of population is one
factors in the operation of the road.
As a competing concern with the steam roads. past seven years holds a unique position. Th steam roads in America, yet in thed good for steaner of passengers carrjed on tonited States This railways decreased by over twelve millions This does not imply that people are travelling ress frequently than formerly, but that the elecric railways are securing the short-haul business, aracer proved by the fact that the average massenger haur increased in those seven years from 2.3 .59 miles to 27.9 miles. Electric-car riding is hess for crows, and these lines create busi electric road alves. As a freight handler, the parcel road also caters to the short-haul, smallin business, and also for heavier freight steam road. $\begin{aligned} & \text { Developments served by a } \\ & \text { in this }\end{aligned}$ however, are taking place every day, and the fieicht may expected to reveal wonders in the Being so largusiness
being so largely dependent upon the population their existence it is to determine what once seen how difficult it electric road will or will not and the conditions and make correct deductions restures a person who has given the question long study and who can carefully weigh every detail conclude that if the municipalities calculations and their road would run would bonuses the road could be marde substantial when such a proposition is made to pay. It is that an electric road becomes an ine farmer study. Property would increase an interesting city stores and schools would be in value, the reach of the farm, and many other couve within would accrue, but if a large bonus has to be pai ior these advantages, then thev are at one pis counted. Experienced rural electwior ace dic agers find that bonuses entail exacting conditions and subsequent friction, which interfores wilh taining the good will of the people uno wher success depends.
we, past, and bonusing railroads is, or ought to me, past, and electric or steam roads should ic. Municipalitios should be cuarded the pul)with applications for long franchise. inx axumb ions, and other favors, now that

## In this so generally exploiteol.

 will be interesting as well ac woll electric road readers. This line, about ten miles in length ning steadily since. It connects has been runcity of about ten thousand of population, with Ingersoll, having about five thousand five hunCred. It passes throngh a very good farming country, and can be said to be a typical rural ville lies about midway betwe village of Beach It has also been a paying investment from the start, despite the competition of two parallel Steam roads, the C.P.R and (:.T.R. The sinere fare is 20 cents from Incercoll to Woodstocks re1 wom. 35 cents. Except on one day, and then orify ,y snow. In riding never been interfered with 13. snow. In riding over the line and back, with
vers. The promoters, an American company after carefully studying the situation, decided way allowne. They asked no bonus or high them free taxes for rentat forsers an annual cear the sen sor the firs right-of $\$ 20$, $\$ 30$ and $\$ 100$. The outsid is parallel with the farmers, and power-house the site for the of Woodstock Cors and a mile west hourly in wirter and aum town The road serve, quarter-hourly in summer thousand of a population sixtcen and seventeen per head yearly upon and whon two dollar pany is capitalized at cet cares. The com $\$ 120,000$ in bonds $\$ 2$, Woodstock and Ingersoll to warrant the comany in venture bufficient they have accomdingly built, a roud further, and ford to Paris. Judging from the from Brant Company it would apear thecos roads could be made to pay withoural electric aid. provided the population were dence municipa Roads like the Nowmarket and To or the Galt, Preston and Hespeler road, canno pendent as typical rural lines, as they are de in aven special conditions that do not exist ronto line is in connection with the and To er in Ontario, passes through a district that not served by steam roads, and has a conside able population along its line The Galt Per or hespeler road is used as a feeder for the the outlying towns and freight are taken from the C.prg towns and villages to Galt, where this purpose by a powerful come A line built for P. R. cannot well be said to be typical the rural electric road such as the Ingersoll-Woodfor fine which we have described, and which such roads fair idea of the conditions under which Another condition which may soon vitally cheapen the rumning of rural electric roads is th the use of the power, if properly conserved for Viagara River

Siftings.
sing of Br hs, ooorts against Camadian store cattle, about Canada to (ireat Britain per annum; but during the ten years since 1892, 98,000 head, all fat colled in Canada, were received there. There was from Canada from 370,000 cwice meat shipments Nof cwt. in 1901.

The C. P. R. have purchased a harge tleet of

How very simple and casy it is to be phensam few shining skies. Anyone can do that, but fore are who pitactice calmess under adverse onditions.

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## Postage to Great Britain.

In the, interest of the Imperial relations of between the Dominion and Great Britain, the "Farmer's Advocate" has repeatedly urged the reduction of postage on periodicals going from one to the other. It has been practically prohibitory, or about eight cents per pound, while the U. S. Postal Department rate is about the mere cost of service, or one cent per pound. The natural ef-
fect of this has been to stimulate the circulation of United States periodical literature. To Sin Wm. Mulock, Canadian Postmaster-General, beleform, so far as Canading about the desired the terms of the univer the terms of the universal postal convention, the reduction of postarge bes wen Sir William has secured wis them can be made. Chamberlain, the British Postmaster-General and on Saturday, March $\quad$ th an oflicial ottawa took effect, providing that periodicals posted in any post office in Canada for the Unite Kingdom of (ireat Britain and Ireland may pass at the same rates of postage, and under the pass regulations, as if such matter were addressed to any post office in Canada. This will, undoubtedly, stimulate the circulation of Canarlin papers in Great Britain, tend to promete immi gration to Canada, and merease the Whan osh business here.

Subscriber for Yearo



## The St. Louis Fair.

Exhibition in 1893 was a splendid display and a profitable advertisement of the capabilities of the country, but the breeders of pure-bred stock, owing to the deep depression in nearly every line of business prevailing at that time, failed to reap as rich immediate returns from it as might otherwise have been obtained. Nevertheless, Canada's exhibit at Chicago in this and many other lines made a lasting favorable impression on many minds, and raised the country immensely in the estimation of all who were privileged to witness it The seed sown then doubtless had much to
with the bountiful with the bountiful harvest of good prices ob tained from American buyers of pure-bred stock in the last few years, and also with directing Dominionward the stream of emigration from the tances states now coming in. But the circum show. The vastly changed since the Chicago rolled away, and a bright time of prosperity is prevailing, with every prospect of continuing for many years. Canada to-day looms large in the minds of the people of many lands, a stream emigration unprecedented in extent is coming our way, and from no source more numerous nor republic Republic, where many thousands are looking this way for homes where they know they will be
welcomed and where we are welcomed and where we are confident they will
succeed and will be satisfied succeed and will be satisfied with our laws, cusand Southnstitutions. It is from the Western and fration from that of emitinue to come, strong representation the Exposition at St. Louis in Louisiana Purchase products in many lines and 1904 or Callian farm of all the products especially of th stock represents the products of the farm, liv surest guarantee of solid success and and is the is, therefore, of the greatest importancererity. It horses, cattle, sheep, swine and poultry that our represented to the best possible advanta shall be St. Louis Fair. In consideration of the paramount value and importance of the farm lands no hesitation on the part of the Legislatures be (ibe Dominion, and of the Provinces, in making aging a agriculture, and especially of live stock Mexice Texas, and the Southern and Western States, are bound to be our best outside customers for parebred stock. They find our stock easily accli mated, vigorous and well-fitted for the resistance ably disposed towards Canadians, deal with us. No better opportunity could to than the St. Louis Fair presents for introducing great South the favorable consideration of the great Southwest. And the provision for this made at in order to be most effective, must be made at the earliest possible moment. A year taking, and it shoudd uncterof the prese Legislatures just what sessions of the various placed at the disposal of the donather th to culture for the promotion of this object. Farmask persistently for liberal grants and lerien Ted have no fears that grants, and legislat or: "humed and supported by public opinion, eds to be directed to the impor What be lost, but immediate steps taken by deputations to wait upon the Do-
and exery combleme that
sueciat hecessary, the result will be in list, if deemed able, and the time and money involved well

## Signs of the Times.

Upon the agricultural horizon of Western Can ada, it is evident that a brighter era is dawning or the live-stock industry, and to those who can ealize the important part that stock-raising must play in the future progress of this young country the signs of the times are encouraging. In past ears the wonderful ease with which money ha been made from wheat-growing, when favorable summer weather blessed the plains, has no doub hindered many from embarking in an industry which they believed would not bring the most de sirable returns. Others have believed that ex pensive buildings or considerable capital wer necessary essentials to success in breeding pure bred stock.
It is fortunate that these fallacies are daily being exploded, and the opinion becoming more universal that intelligence and skill in breeding and management can produce in Manitoba and the West animals of pure blood having merit quite equal to those in other countries, and at greater expense than is necessary in milder winter climates. The interest which characterized the meetings which were held by the associations during convention week, and the thirst for knowledge in animal form and conformation manifested by men of all ages who attended the stock-judging school that followed, is sufficient guarantee that the farmers of this country are as ready to appre iate opportunities for educational improvement as our Republican neighbor to the south, of whose trendance at the Iowa, Wisconsin and othe winter judiging schools so much has been written When the young men, particularly, can be induced o come forward and take an sactive interest in stock-judging, such as they did at the school instruction which has just closed in Winnipeg, it is indeed a hopeful sign for the years that are to To the Horse, Cattle, and Sheep and Swine reeders' Associations, many new names he tary whose added, and with a permanent secretheir interests, it is certain entirely given up to iderable value to live stock in work of concarried into effect - A stock in general will be oot to establish a Winter Fair is at present on Province, at which cattle, sheep and swine in ondition for the block, and stallions best calThere is prowuc good stock, may shown direction and when the a move in the right haced themselves the different associations in favo fond an being unanimously fion, they were supporting a much an instituo not only stimulate the live stock indurcur one which will place the practice of aricultur in his Province on a higher and firmer basis benefits to be derived from wint Stalio Show can be no less in Manitoba than in On here it has met with such universal success, he advantages which the old sister Province has from the Guelph Fat Stock Show hawe cen marvellous in all the phases of meat pro fuction in which it aims to figure. It is quite robable that suitable arrangernents will be made for show of this kind during next winter and e sum of the prospects for the live-stock indus makes it safe to say that better days are
march 16. 19013
THE FARMER'S ADVOCATE

## HORSES

## Bone Diseases, of Horses' Legs

 large and two small. The large are three-one face is somewhat round fetlock. Its anterior surfat. On each edge of the posterior surf surface slightly roughened portion, extending surface is a kne downwards. The splint bones, somewhatunberous above. Uuberous above, gradually taper towards their in cle or bulb. These terminate in a small tuberments to the roughened surfaces attached by liga. surface of the large bone. They articulate with the bones of the knee above, but have no articuation at their inferior extremity. The disease
known as splints is caused by inflammation beang set up by concussion or or direct injury (usually the (iormer) between the large and small bones, the periosteum and the ligamentous attachment be ween the bones become involved and destroyed; an exudate, the result of inflammatory action, is
thrown out; this becomes converted uniting the large and small bones, and usually, leaving a larger or-smaller protuberance of hardy feny material, visible to the eye and easily on the inside and limbs splints are usually seen when the hind limbs are affected on the outside sionally seen on either or both sides of oitheimbs. in some cases we see what is called a aouble sprint, showing on both sides of the limb, ossified material extending usually a connection of other; this interferes with the action of a the ment, called the suspensory ligament, and in somio cases causes permanent lameness. Unless a splint
is double large, it is not usually considered on or very ness. In many cases splints do not unsoundtemporary lameness, while in others lameness is quite severe during the inflammatory stage, but
disappears on the subsidence of the inflammation issappears on the subsidence of the inflammation.
Young horses are usually anfected. It is seldom we see a case of splint lameness in a horse over horses arfected. I I may say that few horses old
I meas onall pecially those that have been driven or worked
before arriving at without having splints, and mey adulthood pear while the colt is quite young, even in itsfirst year; but in the majority of cases they have become absorbed to such an extent as to be in-
visible, and in Visible, and in ,many cases
mont detectable by large and small bones remains for life. In other words. a horse that once has a splint will aleither by the eye or with the fingers. The lame ness of splint is usually characteristic. In most
cases the horse will stand and walk nearly so, but when jogred will show well-marked lameness. This is usually noticed in the early stages, before any enlargement can be detected,
lut manipulation and splint on the affected limb will cause pain at of a time an enlargement can be noticed. $\mathrm{In}_{n}$ other isen preceded by lameness. Where no lameness be given, Friction with the hand or blistering allsorption will result until the visible natura ment disappears. When lameness is present.
treatment should be given. This consists in either hot or cold wate the pic, hen applyins to allay the inflainmation, then, if lameness has not Aisappeared, a blister should be applied. T this cases it is necessary to fire and blister,
be done only by a vetermarian. fore or hind limbs and are causear in either tion being set up (usually by concusston, possibly diy direct injury) in the cancellated tissue of the
tone; this extends and involves the compact tis sune; this extends and involves the compact tis-
sue; as a result an exudate is thrown out; this becomes ossified, forming what is called an exostosis (a bony enlargement). Ringbones appear
i,etween the fetlock joint and ing the shaft of a bone only, not involving either "calse ringbone," and do not rause lamene called intooving, the pastern ioint, it is called ", high ringbone,", and if the conint, it is called be affected, it is
known as "iow ringlome." In either case lame. known as "low ringbone." In either case lame-
ness will be more or less severe. ness wint mo more or less severe. In many cases Nonth sides "of the. limbs this is sometime
poken of as "sidebone," but it is a misnomer siddeone is a disease of another character and Nse ving different structures. Whether the dis--olving the discussion appears as a prominence It the limb, it is properly known as ringhone The lameness caused by riningone is often noticed
arfore any enlargement is apparent. and this is "fore any enlargement is apparent, and this is
"specially the case in low ringlone. The lame-
ness is often irregula,
 and so on. An examination or the lime again, a time the lameness becomes constant. and an TREATMENT-From the nature of the dis

we treat with the the their normal condition, and of anchylosis; when this is comnith the process tion ceases, and the horse will not suffer any evore, lameness disappears, and in many cases lous or pular opinion (encouraged by unscrupu to what they call quacks), that the disease is due pad, and that the removal of this fin the fetioch the disease, is altogether erroneous and irratio the operations, consisting in cutting throug quantity of fat or oither substonceving a small by the advocates of this theorye, are performed of the correctness of their theory they will proo out horses that they claim were developing ring bone when colts, but the operation arrested the
disease and the matter of fact, in thes core thew sound. As a ease of this nature. The fetlock bone termind inieriorly with a protuberance, especially notice colts of the lighter breeds, and is occasionally
lameness will be present for several month athe
the operation and then disappear as its result. this should nas a second firing is necessary, bui after the first. In rare cases this treatment fails, and the only way of curing the lamennece is operation is called wheurotomy.
oper sation, and consequently the lameness, but does not arrest the disease. A horse will sometimes last for years after this operation, and will some-
times fail from diferent hence, it is not wise to caperate in alew months: Imost useless. Neither firing or neurotomy should

Saddle Horses at the Fairs
profitable fromaction with the merit of being profitable from the educational and financial
standpoint is one that our fair well anford to foster aur fair associations can
attrevelop. Such an horses petent man. proving the judging is done by a comland, is almost exclusively Show at Dublin, Ireand nowhere is the patronage better, the interest
keener or the ioreigner parts with his gold for an many'
${ }^{\text {beaury }}$ Buyers of saddle horses tell us there is dearth of the right horses tell us there is a great
licle, and that the few spoiled in the saddle type obtainable are too ofte for to so break or train a horse that he will possess a good mouth and manners is of no mean
order and if men can be given by fair assont to the young such knowledre, it should be done to acquir or man who drives is never the horseman nor as enthusiastic over his charge as he who rider is superior to thenic point of view, the son why the farm boy should not is no rea porseman and able to make a presentable accomplished put astride a horse, and yet such tive to excel is lacking. The alivity; the incen horse at the different gaits is worth hander superie fair is a good place to demonstrate the desired the of one contestant over another. I ened out to include iumping sate could be broad the money used in this class should the bulk of encourage the breeding and training of the right boy and sadde horse, to the acquisition by both bitting and orer Onder the present system horsem animal shown. conse a lost art, and along these lines there work tiderable scope for an association to do that cannot wrod bring results, and the fair board urther existence. The adoption of the gymkhana will be possible

> Now

 and must be secured to ensure the sucof continuance terprises, and wis cannot afrord to disremard the oppor-
tuity aforded us
vo the sdde cy the saddle horse
liass. No success ined be expected unless a judge thor-
oughly competent in his line is engaged and
hand. ${ }^{\text {given }}$ Fiair arsee
ciations ciations. might well
ifford to consult
to the experts in this line as to the ar-
rankement of their prive lists to carry
out the ideas adWe are continuiticmpt to to breed

 Cold that his colt has ringlone, but if the feeder he may be wealled upon to do? The boy or man
be removed the disease will disappear, will ocra- who fonally consent to have the operation periformed do disease having been present, nome will appear 2 cure. In a young animal repeated wistocted
he may be called upon to do The boy or man
who can successully lit and mouth a horse for saddle purposess has hearned the fundamentals of rdinary everyday user of horses advance of the velopment of the saddle horse class, prizes should

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When we first started to breed Shropshires, it
was our custom to leave the breeding owes carrying their fleeces until early summer, after they a couple of years later, stubble shearing was the inch or so of the fleece was left on to protect the show sheep earlier, when the weather was cold proved satisfactory often suffered from heat, frequently portions of dirt which worked into the form, chaff and would so irritate the skin as to during winter ing of the wool, and lead the sufferinge a loosenrub and bite, thereby scattering fleeces here and there and everrwhere but where leared to thrive as they should.
In the case of utterly impossible to get the coats, we found it
in that way to shorn ring. They would have, do what we could dled, it failed to have that soft Which all admire. Want of proper accomenth stated ; want of the explanation why we did as but experience at home and was the other part, Now we shear our show sheep as close to the is mild and promises to continue so for a time Occasionally, but rarely, we blanket them, should condition are well housed, where they are in good free from drafts, the loss of fleece is not much
felt, unless the weather is severely cold pletely new growth of fleece furnishes the proper
foundation for the shepherd on in securing a coat pleasing to eeve and tonch
In early shearing of ewes after lambing. there is some danger in doing it too soon after lambing.
or too early, if at all cxposed to cold winds drafts. Exposing them to cold then tends to is apt to prove hurtinl to the young muckiliners hright, balmy davs, with little or no frost of nights; then is the time to strip them of thuit
coats. When kent after at
$\qquad$ to do so much better, and if ticks are foumd seem strowes it is an easy task to have a sunp skin, thereby readily destroving the humer thin We do not care to shear inflamb the tambs. can be readily avoided, but rathentex. if thom go to grass with their coats on, we lay person holds them down, the side, and whil cce as rapidly as possible. Another benefit tha olting from carly shearing of flock before voine hwir droppings behind, which, with chathen oif In May we dip all the flock-lambs amp all oroughly. Thatgcleanses the skin and ant mash at shearing fime. Having practiond tary

## Profitable Bacon Production


4th.-The weight you make the hog.
5th.-low sou pron
SELECTION OF THE HOC - - fifer teying all kinds of hogs on clover and grass, I found in my
expericmece there was mone so good for that
$\qquad$
$\qquad$ is in breeding, because you can hog than ther bacon hog on earth by feeding.
I sold 10 (iecoren in the lest hundred hogs out of the field, shown in the photo hogs in the car. 'There were one hundred select live weight. This was theceived $\$ 7.25$ per cat. Fone weeks later, out of the same herd, ther started inside of five days meed by myseii and THE TME TO START FOR BACON-T breed them for Areeding punposes.gistered hogs I sem sow to another, so as to shipeding, antil setect akin to each Thee day; afterwards my sows iny final sweepl agam 10 r my own field hogs: they come in in the year. Having no use for the pork day Season of the year, I leate the young pilgs on this matter to grow a Chester White hop is an ommence to feed 190 pounds in nine monthe figs off the sow, and all winter, and as soon a getr and folt them out in the fiold whe 1 ring Fonn and hatey fed on the ground. Barley and rhicken, and if yoll think youcon requise a sweet as at Inst give the Chester white the second foed July
$\qquad$
$\qquad$ pointed at with semi-derision. for which many education of many veteri ing to professional studies

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ma, and the little, scientific
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the eyes of a non-diseriminat
day too often place the hold
and surgery on a plane with

March 16. 1903
Our Seottish Letter Stock-raising is the sheet-anchor of the British
farmer. This fact has ben forcibly brought
home to hin during the past fortnicht
great spring bull home to him during the past fortnight. The
great spring bull sales are neary over
all hands there
 in the denaand for high-class disteeding revival
Along with the sales fork. stock from difiockit herds, a splendid sale of shortuorns from the
izoval herds has been hold averages have been the rule all round Iligh has bren brought about by verious caund. This
chpening of the Argentine ports has auickond The demand for shorthorns, and some of the hishest priced animals have been hought for Theent-
Aiters. The tevelopment of hish agricult ture hat also contributed to the result. ${ }^{\text {aticulture has }}$
horn liulls soid at the Perth Q1) were secured by buyers acting under the super-
vision and receiving the oif Agriculture. It is more difficult Irish Board ior the phenomenal advance inficult to account
vilues. It was the suprome Sticas which sent up the value of the blackskins
at Perth until the unprecedented figure of 480 There is more of a pedigree craze a yearling bull. hore is more of a pedigree craze albout the A.-A. are keen on the Ericas but curiously enteough, it is only oile line of IFricas that makes fancy, on
thenomenal figures. There is a biop thon the high-water mark reached by Troian-Ericas to Fricas. We helieve both bulls were in ldonanRallindallocl, and if anything that Kildonan at to appearance the better animal. However,
 than the Shorthorns yor Angus, but being finished
where the thinner-skinned breats they can live liard to mick up a living. Galloways were sold thut there were rather many and Castle Douglas. athongst them. This reduced the averages, al though for good fleshy bulls prices were all that Looking at matters a little more in detail. find the average for $294 \mathrm{~A},-1$, bulle in Perth was
c.32 15s. 7 d . By far the best retur with hy the cellebrated Ballindalloch herd, the home of ter thade the astonishing figure of renowned ceneach, the hirhest, as we have said, being 480 . Od. at which figure the manager for the Earl of Rose-
bery, K. G ... secured lery, K.G., secured the first-prize yearling in the
older section. The lerth that the yearling bulls so numerous, at two classes. The sire of this are divided into was the fine bull Delamere, bred lyy Mr. Patrick Chaliners, of Aldbar, Brechin, who owns one of the oldest herds in the world. After a distinG.aren, Auchnaguie, Kingussie. This Alex. Mcwas purchased by Sir George Macpherson, Bart and for two seasons he has headed his famous Merd. The Perth Shorthorn sale took place this
wrom. when 272 young hulls made the fine aver
 \%. or 2273 , paid by Mr. Danst Muctece was 260 Woll-known South Aimerican exporter, for the first in the older class of yearlings. This young-
stor was bred by Mr. W. W. Dron Criof (Tirifl The Shorthorns, it wron, Criefly thus be seent though the latter had the hest price for angus, alShorthoms sale was the levelter of the two. The
imverness sale was theld hel ween the two wronts, and resulted in 64 Shorthorn youns bulls
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making an average of $£: 328 \mathrm{~s}$. 4 d . His Majesty's holds on its way, arrel nothing better cant at Windsor was held on the day following siral in the
sale at the Perth Shorthorn sale. It drew an immenge Gredlow the way of beef than a piece of a mimp concourse of visitors irom, it might almost be llighlander should Nave a The the (ialloway and the of $\mathscr{L B O}^{2} 2^{2}$ ages and both sexes made an average climate, and upe these ideal breeds for a hard Price was 800 gs., or $\mathfrak{E 8 4 0}$, paid hy Mr. Miller, David McCreal has many good friends like Mr. bull, Royal Anke. This great specimen was breal Winnipeg, but there's opom for many martin, at


chester white hogs

## some shire

 He is a marvellously flosho, where he was these Nomthwestern parts but been invading thientre mossy coat, and having , mace for the rough-legeed horsan shows of frosses the South, Atlantic with a a Ireat reputa- joying a flood-tide of prosperity. It has been paid hy Mr. J. Douglas Fletcher $£ 315(300 \mathrm{gs}$.), leaders of fashion and men of wealth past, by Ross-shire, for the two-year-olr, Rody fuat, is an enthusiastic breeder, and won the pold medng 88423 a splendidly-covered young bull, although London show ${ }^{\text {a }}$, ringham ${ }^{\text {In }}$ color. He was bred at Sand- at the 210 gs.. or 2220 10c price ior a female was prices go high, and the tenant-farm great wealth, Calthorpe secured the roan which figure Loord gets a look-in. This year the stallion chasionally Sweetheart, a daughter of Royal Duke heifer, ship went to last year's winner, Messrs. Forshaw roan three-year-old, named Circe, got by the Carlton shom Them. This firm's is at Alex Henderide of Fame 73238, went to Sir taking four first, in Notts, and they scored well, £210. This is a very, Buscot, at 200 gs , or and up to eleven. Mr. Forshnw har years old deeply-fleshed Scots Shorthorn of the wide, in the ring, leading as many first, prize sons vearling bulls made an average of ford lathschild had not only the which is surely good enough even for a Royal had also the funiorve champion female, but he Breaders Menestrel, which came verv stallion in Birdsall o rest content with and Galloway cattle have 10 Tom for the final. The noticeathe Stroxowners of the "crack" heff breds L28 7s. 10 d ., which was thought quitegond. The vious that the Shire "vasting test." It is obFletcher, figure was $£ 121$, paid by Mr. J. Douglas make un in this particular still a deal of leeway to vear-old. Other two for the first-prize twoseveral made useful prices, but mo the three figures. The Galloways move on a Canadian oat called the banner fot with a steadier level, without going so very high, nor Wright is conducting elaborate experfments in the ret dipping very low. More than is the case West of Scotland, and the best results in in the iers have not yet learned to select close enongh ollgh, the favorite the Ranner. Curiously en-



[^3]erty of Yesor simith P .


## THE FARMER'S ADVOCATE


#### Abstract

position alike for grain and straw. They are better than these below the average, and worse than those above the average, alike in respect of grain and straw. They are, in fact, good ave age oats, and as straw is a big element in the foddering of young cattle, a sort called "Tam foddering of young cattle, a sort called "Tam Finlay " is in great favor in high-lying districts. Garton Bros., Warrington, have brought out new wheat called Rivetts, which has turned out very well in trials of whent variotios very well in trials of wheat varieties conducted at the Bangor College, in North Wales. at the Bangor College, in North Wales. 28th Feb., 1903.


## Percheron Registry

Sir,-I have noticed in your issue of Marc tion to an enquirer. I presume that this wa done under misrepresentation of the facts was that you would gladly make right any uninten tional wrong you have done the American Perch under separate cover the report of the meeting you our association held in this city of the meeting o ny which you will see that the old original A mer can Percheron Horse Breeders' Association mes ablished 1876) was in public meeting supported y ninety-five per cent. of those engaged in the this country. Because a few malconthorses in not exercise their desired control over this could ciation, they seceded and took out a charter for nother association, with a name similar to ours new associationpt to steal on the part of this attention to the fact that abor bas il call you tion has been enjoined and restrained by the ourts here from future operation, a copy the which injunction I send you by current mail. The is too large an institurse Brecters' $\Lambda$ ssociation any one man, or any little coterie controlled by we call your attention to the officers and direc torate clected at our last meeting ; they all are men of prominence and probity, which guarantees terests of all concerned ine conducted in the inbreeding of Percheron horses We Wlstan and attention to the enclosed warning notice to your chasers of Percheron horses, which notice is purning in all the prominent stock papers of the and this exception is wn the exception of one hy Dunham money and is still that was started tion of the Dunham interest. We do not desire horse breeders; you are a public journal supported by the public, and should render fair play
to all concerned, and that is why I call tention to the mistake you have made your attruly,
Chicago, Ill [Note.-Whatever may be the issue of the tention in the Percheron camp, Canadian horsemen will in the meantime be governed by the stubtion and register at present recognized by the U. yed one. and that horses fore the newly organ going from Canada to the United States can ones patss the custom

## Cheap Pork

Hogs are now realizing good prices, and it is other farm animal is It is when hogs or any heing profitable that the greatest leaks in tho feeding operations are likely to occur. When live hogs were selling for four cents per pound at gain should le made in a short time and at the o realize a profit on feedinir since were abl Gone up, however, we have become more liberal, could have afforded had the price of pork been was away down that we learned our most valuable lessons in feeding. Necessit, Compelled us it. We learned how, be feding clover, roots and
other green foods, to make a mofit on foum pork, and the proper way to take the fullest adcent hogs just as economically, as we did when in selling price means. not simply an increase important part. In layin season's crops, we cannot
importance of setting ap
these crops, and also a
time for feeding hogs exclu
time for feeding hogs exclus
irtensive farming, which me
production at the minimum of
its development in the hogeraising

## Veterinary Education.

Sir,-As a graduate of the Ontario Veterinary more interested in the pricsion, 1 feel, perhaps, Veterinary Education than some other readers re your varuable paper, and desire in my humble standard. The air the movement to raise the On all sides we hear criticisms talk on education. tem, and we must admit that a good deal sys pleasant truth has been told.
$t$ ween veterinarysider the intimate relation be tween veterinary science and agriculture, and on of the country, it seems agriculture and the wealth ment of Ontario (or I may say that the Governno practical interest in the training of such an important body of men as her veterinary practitioners should be. I do not wish to detract any work in days gone by, and in some done a good doing so. In fact, for a long some ways is still done about all that has been accomplished has veterinary science in this country. We must ad as their numbers of good men claim the O.V.C. years ago-yea, ten years the teaching of twenty day. The sciences are making rapid strides to the graduates of 'the last ten vears, and ave those who graduate to-day, can not claim the leaching of their alma mater to be what it as an individual runs his business dollars that are in it, and what are solely for the Students of all kinds, some with fair education and some with very little, go through the exam nation machine, good, bad, or indifferent, labeled usually as "Doc". kill or cure, and are known There
most as important as the this state of affairs. Al of all, a standard of education upon is, firs tion should be nothing less than a matricula tion. A student entering college with such a his work, and can more than one with barely sufficient education read and write. It is a shame to confess that education have gone through without sufficient an ordinary publiedit to a fourth book form in sity for a longer period. Second,there is neces tical work. The idea is absurd of expecting student to attend college for two sessions about six months each, and to take up materia medica, anatomy, physiology, surgery, diseasc biology of horse pass a thorough examination and obtain a din to ina which qualifies him as competent to practice as a veterinary surgeon. especially if his preliminary education is as limited as it is in the majority cases. Often the veterinary profession is accept him, and how can such a one that would the present conditions exist? (Neyorg as and first of all the matriculationg are essential. might mean a temporary loss in entrance. This college (but who can teli how inuch in the to the he tid of the constant stream the profession would sionals. I do not wish to infer that all those but it would contain so many to the profession. they would outweigh the mood of that sort that others. Contemplating these changes, the of the tion of finances will loom up before the college time affect the revenue, but surely in for a short them they would be able to meet quict came upon and I am sure there are enough graduates in On tario itself who would willingly assist to shoulder endeavor to uplift the profession. Has the ProCation? I think it has a serious responsitilitu tutions on the continent, and educational instimust bestir itself. be made the first college, hut it collard of education and it will be the highes the fore of London, Fingland, its doors the Royal standard and you raise continent. Raise the vour praduates will he the best. The teaching character and quality of the is graduated by the raduates are men thoronghly competent, it will he
ental colloges. mention conleges. Normal sichools


In the interests of the stockmen of the country ent engaged in the profession, the move at pre eterinary educational reform has been too for tolayed, and it is one that should commend itse Middlesex ROBERT BARNES, thes

## Thoughts on the Past and Present

On looking over the last Christmas number the "Advocate," which is very fine indeed, I read Years of Fair new to me, for I, like Mr: Snell had heon as at ing the old Ontario Provincial Exhibition from he time it started, having frecquently acted a judge at Toronto, Hamilton and London, and quainted with the exhibitors fane fairly well acProvince. Mr. Snell's letter, ars parts the many pleasant and profitable hours mind some of the old exhibitors ars spent with days long gone by, but it likewis the fact that nearly all the exhibitorigs to mind ers of those days have past whence no traveller ere returns seen many changes Not only. Wr. Snell has hibitors passed awny, but those the old exthat they used to exhibit hase large cattle away, and instea.d we have wheth finer bone, etc., and I always have doubts These small-boned making improvement or not would not consider thay make baby-beef, but range, and to me they always lo not legs fit to carry them. worthy of consideration. We often see a point arge frames and lots of muscle, weighing 220 to frame pounds, yet active, but a man with a small he can only waddle with many present-day cattle is just the result ketvise, have observed great changes in the lines When agricultural exhibitiontions are conducted in Canada, they were established first organized lines as those in the motherlad on the sam always proved a great succes. $h$, they have of men has got hold of the mand a faster class have borrowed some of the sogenent here, anid rom our American cousins, and athections other things we have bow this, like some better, in my opinion, have hom them, had
 oas in Winnipeg during the exhibition, occasion new. at the show, to see if there were anything hen throurh early through the main building hrough the one where buildings, and lastly and was reminded of the foll was exhibited ears ago a municipality in the Gocnt : Some oncluded to purchase a Shor water apointed a Scotchman and a Gull ; they isited wase the animal. Amongst other herd ho had as that of the late Hon. David Christie lition a number of bulls that were in bad con hired want of care, being left in the hands ut Mr Christien one of the bulls was led pedigree. My friend the Scotchmery good, long Cerman what he thought of the bull asked the pull." 'eplied, "I tink lots pedigree but ne Gerings, In going through the exhititit much but not concluded that there were lots buidagrain to the cattlot. I went from seeing the breeds found catle stables, and among the the enough to carry their bodies. From the cattleng but I have sheen a pens; good pens, lots of them, went to show in Ontario. From sheep at some very good anime I found a good exhibit to the horses : thereals. From the pigs I stables. To see a horse very few out of the grounds to the implements long, but crossed the Mr. Snell here to interest a farmer is always mplements since tee a wonderful improvement in nh his young days we were cuttling the grass with hreshed it with the glail, or in some casadle, an pen cylinder wun by a hor in some cases with an

Matee 16, 1903
separator with all the latest imprevements. self steam engine; but all the other implements a.-p

After noon a large number of people were sce but what at the gate of the exhibition grounds nearly all headtng for the grand stand. Were people out for to see ?," Shat came those orm performance; some horse circus and platis what our great agricultural possible that this is what our great agricultural exhititions have
turned to? When our agricultural ease to be educational their usefulness is gon The grand object of these exhibitions was to and thereby stir up a healthy spirit of emulates, to excel in all the products of the farm, the watio shop and the factory. Will the education tauight better farmers; will it make our sons to become will it cause them to form them better citizens the noble calling of the farmer? Will it mak our daughters better housekeepers; will it ciuse them to look upon life and its great realities a something worthy of their highest consideration
will it fit them better mothers of a coming reneration? the intelligent not paying too dear for what we are noceivin we the money spent upon it? But perhans some one will say there are other parts of the exhi.
hition for those the hition for those that do not care for the so-called
attractions. This may be so of the people or more that enter the three-fourths get farther than the neighborthood of gate never stand, it must be evident to every thinkinc mind Others mad better call it by another name that I have raised, but that will not the point difference to me, as I do not not make any anyone's opinion. I have always done faith to thinking on my own account, and it is likely that I shall continue to do so as long as I can. Mr. Snell's letter caused me to do a little thinking
upon this subjiect. upon this subject.
Brandon Municipality.

In 1902 there were 5,200 steers shipped from - Territories to the British market. There is the reason whatever why the unfinished cattle of block by Manitoba farmers.-CHAS. W. PETER SON, Regina.

THE FARMER'S ADVOCATE


## domestic pet

212-acre farm near the town of Newmarket, in the primitive Ontario, on which formerly stood case, was laid the foundation of the educh in finished so far as the schools are concernet, wa cial Universit his graduation from the Provin honor to be elected which he had subsequently the its Vice Chancellor tortant position of ful men, his education was as with most successation from the schools, but he has with gradu be a student not only in his chosen profession manship, to also in the broader field of statescountrymen, and in the administalled by his important department. of government. indomitable industry proved so signally has by
in the Dominion today to whoin the greal fart
ing community is looking with greater and expectancy for relief from a serious disabilit dicated by the with the urban population, as in eing made for free rughtation and demand no statesm it with the farmer more than with the are concerned, and as evidence of article. that we dress delived in farming, the writer recalls an meeting many by Mr. Mulock in a farmers' club of experience years qgo, in which, as the resul instructively described the operation and and tages of underdraining, illustrating its henefit own farmely increased yield oi crons en hi time to repay the in a comparatively shor lasting. Later the outlay, while the benefit is farm trade was successfully of steers for the ex herd and some three years ago the nucleus the in an pure-bred Shorthorn cattle was secured friend, Mr. Willian selected by his neighbor and extenion Shorthorn Dreeden, President of the him extended experience and ripe judgociation, whose portar the position, and last year a second im lected by was made for Mulock's farm. also se individuals a
tion, some of which are portrayed and conforma-
seen in the roan bull, Patriot $(81829)=45206-$ herd, was born December 28th, the head of the Farms at Windsor the King, at the Royal Victor (73320), who was was sired by Prince pion cow Cicely, imported by Mr. dam Prima Donna, by Christmas Gift, and his champion, is of the favorite Cruickshank Broadhooks loth by being a direct descendant of Broadland, so that he is Scot bull, Champion of Enghis parentage, and in conformation ond sides of he is typical of the class of cattle called for ter Rosanna, the red and trade.
was also bred at yearling heifer on the right Prince Victor, and is of the Rust, was sired by her came Royal Duke, the championshin win 1901 the Royal Agricultural Society's Show in 1901 and 1902. Her dam, Rosemead, was by
Nohleman, and her grandam by the Roval cham-


[^4]THE FARMER'S ADVOCATE.
pion, New Year's Girt. Rosamna is of the hacky
low-set, thick-fleshed type, and is a charming
low-set, thick-fleshed type, and is a charmine
heifer.
The red heifor
years old in May, was bred by Mr. D. Abbott
Green, Colchester, Essex, and sired by Lavender Yet ( 74830 ), a son of Count Lavender, bred by
Mr. J. Deane Willis Freda ic a chow hoifor in her make-up, having a strong, thickly-flesher back, deep and well-sprung ribs, smooth, sloping
shoulders, full heart girth, and a sweet, head full shoulders, full heart girth, and a sweet head, full of
The rich character.
roan yearling heifer, Carol, was bred hy Mr. Robert Hornshy, Hovingham, Yorkshire, Star of Morning, bred by Mr.A. M. Gordon, of Fitz Windsor (68648). Familiar Caroline, was by Fitz Windsor (68648). The charming red and
white heifer calf, imported Marina, in the background, who enjoys the first anniversary of hen birth to-day (March 15th), is a daughter of Movingham Marmion (81300), her dam being Imp. is a model of the hest of erger (71517). She hardly be improved upon in her conformati could The favorite Warlaby Bliss, Flower, Isabella and Medora families, and the Riby Annas, as well as the April Daisies, an old and highly esteemed now numbering some thirty-five head, which, unde, the intelligent care of that capable cattleman, Mry ager, justifies the prediction insted as farm manFarm herd will take a prominent the Mulock strong Shorthorn herds of Canada. Tho To appreciate the beauty of Sir Wm. Mulock's
farm, it must be seen in summer when the farm, it must be seen in summer, when the spa-
cious lawns and park, comprising some acres, well planted with English walnut and the principal varieties of our native trees, are seen at their best, and where, as the summer residence of Sir William's family, the conditions for a That the influence of the example of a well-managed and well-kept farm is beneficial a well-manits own bounds, is evidenced by the many taste ful farm homesteads in the surrounding districts, while the enterprising and public-spirited propricounty in numerous ways the welfare of the generous prizes annually to the as the ofer of riding planting young orchards of choice variotio of apples and other fruits suitable for the export
trade, and in other ways encouraging the improve. ment of the conditions of life on' the farm.

FARM.

## Spring Seeding

The fact of the difficulty of securing sufficient help on the farm will remind the prudent farmer time during the present month in making necessary preparation for the work of spring seeding so that no time need be lost When the condition may be pushed through with the utmost possible despatch.
thoroughly end, the seed should be all premared, sufficient is on hand for the land to be sownt she tools and implements should be repaired and horses put in the best condition by generous feed ing and ample exercise; the collars and harness repaired, and fitted to the horses that are to loss of time from the seeding operations. Fxperience has so painly taught hat, ats a rule, the earliest seeding, when the land is as a bule, brings by far the largest yield and the best quality of
grain, it should be the aim of all to rush tho work from the start, always remembering " that that to skimpor slight the work of pereparation against the crop throughout its season of growth Not only is carly seeding adramtageons in mo gard to the grain
grown, the seedin should be clover seed canmuth. seeds are more likely
careful to learn from w
by means of a magnifyi
portance of clover in fertil)
proving its condition is so
be liberally sown, as it will
be liberally sown, as it will pay
times over, even if plowed dow
imes over, even if plowed dow


and, therefore, the nutritive valuo oin decreases. creases. The earlier the plant is cut , the richer amount of digestible matter per ant the othaximum stage of maturity the plant should le ant what C will be discussed later.-[Bull. No. 111, O. is a little hard to cure as hav. thick inios stom, it results from lucerne. it must ho (oul carlier than clovers. The determinations, which the writer
made in 1897-8 (Bull. 111, O. A. C.), on the composition and digestibilit when the blossom was nutriment was oltainerl This is shown in the accompansine table : (0pent. Serond crou 18917.

 Third cutting, 2
 Whole of the late war in South Airica that the tine from Incerne.

 It is themer mo in moresting to compare the Line whey apparnly stald then man and




coods for all farm animals that

Marcil 16. 1909
will do for all the lighter cooking, and
ter, for kindling coal fires
will have them larger till As time goes on why feet apart in the row. By and by youl out alternate rows and have good-sized firew cul
You can cultivate and the young trees will stretch up and replant. for having large trees near them. haps your children mafter keep you going, and perjecture, for 1 have seen sounthing of what all coll
Along with Along with maple you may raise native ash, an
provide excellent timber uses. You may get coftonwondes and othe poplar to grow faster than maple, and Russian
one more experine utility.

## History Repeats I1self

## Sir,-You will have

itself. Away back in 1898, newspaper files re. cord the visit of delegations to Othawa to lusist on the restoration of the duties on binder twine Another view prevailed awaited the manufacturel stored, but the manufacture of twine has gone on ies since that time 1 believe that six new facto Wies have gone into operation, viz, those at ham, and the Richelieu Co., while those perial ly engaged in the enterprise continue doins ness at the old stand. It is no secret that very handsome dividends have been declared by these Companies. But what do we find? The same re-imposition of duty are again abroad in a land. Statements are being scattered broadcast such as this, that binder twine is manufactured
chiefly from Manilla fibre export duty of three-eighths of wich there is an Canada, while it goes free for the cont coming to facturer. But what is the fact? Why, that from 85 to 90 per cent. of the binder twine made and from Sisal fibe and the United States is made is also declared that over ninety $\begin{gathered}\text { no duty. It }\end{gathered}$ twine made in the $U$. $S$. is manufactured. of the large implement manufacturers. Now, outside of twelve makers of chat chass, there are some ten or estimated that they ane states, and it is cent. of the twine used in the States. They asser Conat while there is no duty on twine coming into Canada, there is a duty of forty-five per cent. on
twine entering the Republic. What is the twit feet tho duty on Sisal or twine ruming 600 Canada : there is going into the States from twine rumning 650 feet to the p-ine per cent. on cery little of this length of twine but there is not be sold in the States, even ii there would duty upon it. Sisal fibre is grown in Mexico
and is luy it as cheaply as the Anerican maker can cighty-five to nininety per cent. of all binder fully 1s made from Sisal fibre, and as Sisal twines are armitled to the states duty free, what advantage has the American manufacturer over the Cana-
dian? Then the American harvest is alleged to ,e earlier than the Canadian arvest is alleged to makers will slaughter their surplus twine in Can
adlat Time time antario and (quel)ec harvest is at the Wakota. The contention that hemp, for twine making has to be bought in August and Septem wer for the following season's harvest is also
wile of the mark. Sisal being raised in Mexico a vessel will make the trip in about cight days,
it is cheering to the farmer to lye assured b, is cheering to the farmer to be assured by
thase who are urging the eluty that there is no
chance of a coubine the moving spirits in this agitation are thus
who formed a combination in the old davs, bus Who formed a combination in the old days, buy troment to give way on this moint ho bov would it be gill the fence-wire makers hould have Tinderstands the the canie way? Exerybady who


We Canadians should feel proud that we have Whished within our borders such a strictly first Cot

THE FAFMER'S ADVOCATE

Tillage and Seeding


Pr. W. brown, portage la prairie
Presidgnt of Sheep
ows sharp, the cultivator for it Are the har working harness sound? Do we know just, the crops we are going to sow in the different fields?
How about seed grain? How about seed grain? If we sow our own it should by this time have it contracked to buy, we is sometimes very hard to get at the last, as it to have all preparationd saves time and money In our climate there are seasons when any. body can work up the land and get the grain weather before seeding when, for instance, the nights. The land then is in better condition of ours. Frequently to by any manipulation out of the ground rains keor, alter the frost is operations are seriously delayed and to that gets so compacted that it is hard to work land it does dry. It is in such seasons that the farmother fellow. What are gaturally start of the parts of the field get dry the soonnost the wettest first opportunity he gets to work, while the othe man has to wait until not only, whe the other


Iydeshate stallion. Fouled April, 1898 ; sire Pandora'\& Prince (10391) ; dam Darling Vili., by Cairnbrogie Stamp.

THE FARMER'S ADVOCATE
Ounnen 1866

residence of J. w. suddard, frontenac co., ont
seed sown with spring grain to catch, attribute
his success to possible, all the work, including roliing, done one day. He claims that thus land is made grass seeds are at once brought work, and that moist earth and get, what is so important with This season to a farmer is really the opening of the year, and we take pleasure in wishing our

## A Successful Cement Silo.

## Mr. Harry Smith, the Shorthoun

 Mr. Harry Smith, the Shorthorn breeder,Huron Co., Ont., gives us his experience with round cerient silo built last year. The dimensions Were $12 \times 30$ feet, walls about eight or nine inches Portland cement, one to ten parts at the top awas used, and plenty of stones bedded in Nrave 9 wire was laid in also, with every raise of the wooden crib. It was finished about six weeks before being filled, and in about three or foul
weeks weeks after the walls were constructed they were
plastered both inside and out. The walls were made a little stronger at the bottom walls wer was taken with the foundation: The ensilage kept perrectry, alld there was no sign of give to with, Mr Smithe avove conditions are complied nence and superiority of cement silos the perma he had a wooden silo for many years. He grows the Leaming corn for ensilage, and cuts it a day or so before filling to wilt. Never heard of the
juice of the ensilage sotent cement silt walls cement silo wals. The work of construction
was done by Mr. Geo. McKay, of Kippen, Ont.

Hair as a Fertilizer.
Regarding the case of very marked results in
potato growing throuph applications of humnt hair, recently' reported to the "Farmer's Advocate, Prof. Shutt, of the Central Experimental
Farm, writes as follows: " ' Though hair may be considered rich in nitro gen (containing about $17 \%$ ), its value as a fertilstrongly resists decay in the soil. Nitrogen, as it exists in organic compounds in hair, horn and plants, and is so stowly is inert and unassimilable by plant food in the soil that it is very doubtrul if any response would be observable from the direct application of these materials to the land. By mentation, as in the mamure pile the nitrocen in hair, however, may be in a large measure rendered Chemist, Experimental FRANK T. SHitt.


## High-class Farmhouse

farm during 1902, at ac cost of $\$ 4,500$. I had in five years, and during that time drew many plans various members were in turn submitted to the criticisms and suggestions, my wife being principally consulted, as the house is the woman's parnearly as possible to meet her requirements There were two important points ever in he mind when discussing the plans. Her first was to have as much sunlight as possible in every room, and the second was to make it as con-
venient as possible. venient as possible. I was careful on my part
to make it comfortable. To secure plenty of sunlight, the house has a large south exposure: all the rooms on the first floor, except my office and the pantry, having south windows, and one only, are deprived of south windows second floor, partitions in the cellar are built of hard brick eight inches thick, the outside cellar walls being of stone, 22 inches thick. The cellar had clined to be bamn so . which, howerer, was in erly drained. The house is frame, sheeted inside and ou
with matched hemlock, and a finc grade of build ing paper was used bet ween sheeting and weather hoarding, and between sheeting and plaster.
Furring strips were used to lath on, thus giving a double air chamber for protection against both heat and cold. The floors in hoth flats are double, with building paper between them; the pine, the upper floors eing felect, being matched cept the kitchen and pantry, which are manle
The finish or trim on the parlor, living-room

office, stairway and bathroom is selected birch, stained and finished in three coats of hard oil. The floors are natural punishe stone and same way. The kitchen, pantry hall rubled in rooms are trimmed in pine, the kitchen and panthe hall and bedrotch the balance of the floonand ceiling of the walls are painted. The walls of cellar are built, flush with first side and outside sheeting it is filled in six inches tige ing malls of cellar sash, except the south bedroom windows, which are single. All doors opening outside hav pine. The roof is covered with Britith matched red cedar shingles. The front British Columbia has two floors, for use of both flats. The west porch, $6 \times 26$, is roofed.
The house is supplied with soft water from Boo-barrel cistern, which is forced into the house by a windmill, the tank being in the loft over
the cistern. Hard water is furnished to the house from a pump on the west porch. to the is
hot and cold water in the laundry, and on the water. The parlor has a handsome red brick mantel
Whith mirror, and is arranged with coal grate
The living-roon thas a brick pantol aroanmed fot burning wood. The wome


There are three chimneys, all built from found tion up, and have soot boxes for cleaning in cel pleted, including cistern, well, windmilu and all decorations, painting, etc The siand $26 \times 54 \mathrm{ft} .8$ inches, and $18 \times 36 \mathrm{ft}$. The first floon Since we have 8 inches high, the second 9 ft . - Since we have occupied the house, no member he other thing was not made different, that or ing satisfied that we have a comfortable, con enient farmhome, full of light and sunshine. uilder shal be much pleased should any intending blans, which are the glean any ideas from ou sideration and labor on our part and much con pense and forethought for the wants and wishes part. readers of your valuable paper on you part.
Frotenac Co., Ont.

## Farm Help from England

To the Editor "Farmer's Advocate":
Sir,-I have read with interest in your Feb. 2nd issue the article by Mr, W. G. Cowle on "The fears in problem." Having spent nearly seven are fully . the the above tide. Since coming back . owding of overare full of adver are. The papers are full of advertisements from men looking for work, in vain. They are to be seen standing on ment should appear in the and if an advertiseany description, the situation could a man of twenty times over. They are glad to filled of any description, and the wage need hardly be mentioned, as they are too glad of anything. I of going to Canada, as number on the question, where work is plentiful and good wages for bost" it. The answer in most cases is, because "I I
is cannot get the money to pay, my way out." "It takes all I can get to live." ""I wish I could
get out of this country or I shall get out of this country, or I shall soon starve." way, canmot helpese solve "the be tabor problem", in some are thousands of smart, active young men that would be only too glad to earn an honest living ross the water. Hoping this will the means to oo much of your valuable space in the take up orl journals, which 1 still get. Bristol, Eng., Feb. 20th, 1903. Late of Halton
ounty, Ont. . $\qquad$
We find the short-wool sheep to suit our cli mate best. The long-wool breeds collect the snow their flecce, and are hence not as well able to Garierar severe weather-JNO. MeQtiman


MARCH 16, 1903

Schoolroom Deceration. We have been asked to give a description state to whom honor is due outset we wish t the school, for they it was who supplied nearly their plans and the arrangement is eithe their plach, or modifications of their plans, and pride than if greater enthusiasm and greate by ourselves, the decoration inad been done solely
walls of which we shade, with a cre kalsomined a light green around the border extending only proved a very restfult the ceiling. This not harmonized with the foligor for the eyes, but pupils provided from time pe plants which the the blackboard, the four to time. The ends of the bulletin board, were draped with greets, and For the wide, vacant wall space a gove the riap. of pictures, large blue eight-inch the range procured from the D. C Cook Co leters were pieces of cardboard. The letters and pasted to out by the pupils and suspended on then cut wire in swinging loops, forming such mon spool "Willing Workers," "Welcome," "Honettoes as dustry, Intelligence and Integrity." At the end of each loop crossed flags of various nation line of letters, but furnished natural curved outpatriotism, and the use of subjects for talks on place to store our storm windows, We had no convert them into improvised picture frames sashes, 908 glass on thre sashes, $8 x 10$-inch pictures of birds and ani mastened their natural colors, the sashes were fastened to the rear wall of the room. The other drawing and writing spens of each pupil's fresh specimen as soon as the supplanted by a work Our museum were hung along vacant spaces, $2 \frac{1}{2}$ feet wide by 3 fostly, each was and lined with aret ong and 2 inches deep with six shelves. Each was provided one-ounce round bettles 150 kinds of seeds and srains hame of the ain grain, each labelled with tho pupil who collected it oba grains in the ear similaer contained Mani sections of the different woods of arranged, while buds and leaves of Manitoba, trees wora, and filled the other two. Our most interesting col ection was a number of small, delicate plat or which we provided a glass case, made our window panes. In the bottom we of oose, moss-covered sandstomes, elevated in the enter, with the space between the stones filled南 suitable soil, in which the plants were set Four cylindrical, cracked lamp-chimneys, filled the sawdust, enabled us to observe the germinaion of the various kinds of seeds at different stages of development. The boys provided five brackets, and as many vases for flowers, and during the season when wild-flowers were in bloom there was considerable competition among the girls in each of the flasses in securing either the best arranged bouquet or one composed of the a part of the decoration, as did pictures formed ers in pots, and sprays of various trees and grasses, placed in out-of-the-way corners.
In closing, we our success was due to the active areat part of in the school by parents. Scarcely interest takien by without visits to the school from a warents went frienids. The pupils thus felt encouraged, and realized that the school was their own ; that stimulated to take appreciated, and were thus school. When parents are willing toest in the night and morning during the period of bad roads and bring their children to school, we have and school that closer relationship between home our boys and cirls which it will be difficult for conditions of the present day. Intelligent farm mg, progressive methods and increased facilities are rapidly gaining for the farmer a social status welual to any of the learned professions. But if parent and teacher must co-operate advancement minpire our boys and girls with self-reliance the dignity of true manhood and true womanhood, he desire to strive for perfection and to take that the future of our country, We our prosperity
and our institutions depend our schools.

THE FARMER'S ADVOCATE.

settlers \& ince
livry of leters \& so
4th to farmers is
one way we kin dis
one way we kin do it. And speek in mind we got to hey hore ralerodes
Thay hale het i kin no use
ase to 60 millins to bushils of wheat up of it is leit in the
farmers hands cus it ant be took ralerodes. But i want to make a pint want of wen we git the noo ralerodes we mus git em sur penys to speklate in. Sum fokes hear in the cum ege wen we are argyin in the store ses it is a sine and leedin ta see land cumpnys gittin formed see ware that cums in. it on em, but i can to my way of looking at it it wood mutch good to es

$$
\begin{aligned}
& \text { mutch good to pu } \\
& \text { tole gates up on }
\end{aligned}
$$

all the rodes and
grate pile but peers to bin jis about enuff to keep childern, sose thay he 2 work. Wel, nex thing git along thout hevin to farm and go to reside in toronto, mus leeve the outen the questin fer a man of lesher and jinkins Corners wusent a leedin enuf place so thay moyed that time. Mr. Wifieltree cum up hear \& it lisit las week life dont agree with
him. he haint so helthy es he ust so brite in farm ner it peers to the hed hed sum tawk with tole \& he good es in town haint wot and bout the hardist work a man kin
do is do nothin. calklate we will see

ack unfortnit man
back on the farm agin afore long. I suspishin We wus hevin a debate tuther nite at the store mungst the subeck how to keep fokes on the farm and one good idee thet it bleeve in and and thay wus
help along all ikin.
it wus free delivry

papers in the noose-
districks
districks, es Mr.
Brite the noo meth-
dis preecher methin the sitty to bringfarm and make life more worth livin in kentry places, he he
sed it is did now sed it is did now in
the $S$ tates and
w
charm, and enyhow
wy haint the farmes sitty fokes. frum the guvermint es muten on this in the Advocat \& i hopp yule go in fer it
strong. it will help to spred infermashin and eddicashin among the that is wot Canady needs speshilly es is cumin in frum fokes States and the ole Kentry to settel in
the West. i am tossin up my hat os this incresin of our es it is noo blood not our gittin and movin frum the the west. We wot to take rite hold
and make good brit-
ish Canadians outen


\& if the guvermint haint mitey careful it will hear sumthin drop if it gose in fer sech a pollicy. Bildin ralerodes outen the publick munny \& then with thousends of em to big coperashins along dont stand fer no-longer cm es a bisness nothin to do but see thet thay gin fare rates hev good servise, that is the skeem. Yurne fer justis
to the farmer,--
C. jinkins.

## Do Your Neighbor a Favor.

do his neighbor a favor by sending to "Farme" may of the "Advocate" the names and post-office ad scribers to the paper neighbors who are not subbe sent to each. paper, asking that a sample copy them and ask them to subscribe ant oom o get to show them your last Christmas not for I spent a few hour's in this way, with goord r
sults.

[Editorial Note-
cr's Advocate" will publishers of the "Farm copies as sugrested be pleased to send sample course, at this late date wher cher expect a copy of tho 1002 Christ supply of which was long since exhauster will give them an idea of good thinestor and the new subscription will date full yor issue of 1903 .
iscent time, including the Christmas

By feeding 1,012 bushels frosted wheat to seventy-five pigs two years ago I made $\$ 736$. -
HUGH DYER, Mínnedosa.

In connection with the agricultural college to a department of domestic science, such as will fit the young ladies of the farm to do better work.-
HON. A. P. ROBLIN. At the Ottawa Experimental Farm we have
never raised hogs cheaper than when pasturing on never raised hogs cheaper than when pasturing on
rape--PROF. GRISDADE.

The man who is content, feeling he knows all that can be learned about farming, is ready to
learn about something else, and that is "failure."

Chas. Dickens said: "There is nothing strong or safe in an emergency of life as the simGrouchiness seldom gets us what we think we
want.

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The Nature Study of Insects.

## Tsually, teachors fonl quite at a lose how + approach this suhbect. Where to begin and what

 to do are mptters that oppress, hut in no othersubjects should they feel more at their ease. The trouble has been that the field is so wide, the inadequate that it has seemed impossible to bring the subject into any fruitful relation to elementary teaching Leaving out all anatomy and classification and taking the common forms alive and or more valuable lessons
aim-som nature-study, the teacher requires an purpose here? Information regarding insects is not sufficient. Something higher is needed is give vitality to the work. Has the teacher ever several into the remarkable interrelation of the and the insects, the insects and the birds insects and the plants, the plants and the soil, are all bound together in a complex activity, each general welfare of man. Thers and affecting the be left out of nature-study. For elementary study one must select just those things that stand in fundamental associations with life and worth while to do. Has the teacher something that elemenatry agriculture grows ever thought practical phase of the study? It is possible and desirable to arrange all nature work so that many of the facts and principles of this "oldest grasped and most recent of sciences" may be pupils who expect to become farmers to appreneed of a special study and training for that work. At the same time, those who do not aftir-
ward follow this occupation will gain a useill training and will better appreciate the dignity of his profession. In thus relating standard rain the intellectual faculties, increace the also est of your pupils in their school work, stimulate an appreciation of the beautiful.
We may suppose now that $y$
Takew. With what insect shall you begin? an interesting life-story, a story easily mosquito will answer the purpose. In your treatinent, remember that you are to suggest and to guide, th
and the thinking

How shall you conduct the work? about this insect. This will give you a founda (2) Obtain a collection of eggs (3) Observation work in connection with the (4) The reiation of the insects to water, man, (5). How can the mosquito be pemoved This, roughly sicaking. is the " plan of carat
paign." You may have to assist the childron im tudied the ofgs, they will when they have ond the swamps. What advice shall you sive? Have them thace shallow pars of soft water (the
tank fights in the height of the srason. In the more ing, sooty spots will be coen on the water-surface,
Remove these and place in a sealer containins solt Water. Brine to the schoolhouse and plact Obey nature in this pratinuar fon trone your observations. To assist, note the follow What is the share of the coes-mass?
How many ches in cach? What is the color?
Why are the masses artanged like a boat?
How many hours were the equed in How many hours were the egre in hatching
From which end did the wrixglurs escape? How did they cken, etc.
Is it casier for hin

Do the

## Can you find what

Wfer the wrigglers have
water? Later, when the this insect in its native hamut
lhis if the work at school has

THE FARMER'S ADVOCATE

## Butter from Gathered Cream

pupils older pupils. As an experimont, have the
pupils add a few drops of coal oil to-a a bottle pens. Get the pupils to make the inference. Is Again, obtain the nature of the it be applied ? past three or four years. Were all equally favor able to mosquito life? Which was best. and have pupils watch for mosquito here. Finally, hare pupils watch for mosquito enemies, particu-
larly the dragon-flies. It is unnecessany
work may be made the mention that the above written composition, and provide valuable training in drawing

The teacher who has worked out carefully the culty in understanding to tell will have no diffiin wishing to understand, the round no aversion case of the house fly, the house moth, the in the beetle, the grasshopper, the aphis fly, and the caterpillar.
Vice-Principal Winnipeg Normal School

## DAIRY.

## Brouding Fime Dairy Cattle

is an breeding of typical and fine dairy catt thought and study to attain the desired result To be successful, the breeder must set himself ideal for type and form, and with this combin the highest possible production of milk of rich quality. The type should be true to the breat he has chosen, and the form, that of the milk raw beef combination, not coarse, angular or fect squareness and evennecs show the nearly pertype (for it is impossible to produce the ideat dairy cow from this typee), but the form must be derance those points whichays show in preponthe dairy cow, among which is a perfectly talanced udder. To obtain this idwal refuires move than simply mating cows with a bull. It re (forcs micere, also, than just a study of pedigree (loep study of is often misleading), it requires a keen observation of the individuality of the the your coupled, always keeping your ideal before which handso old saying that handsome is he who produces cattle which do partly true, and at the same timeste which do handsomely and benefactor both to thandsome individually, is a to his country. It is a deplorable fact that without any apparent purpose in mind are bred instances cows are bred to most any kind of others breed to purely beef-bred or tyires, simply thile get cows in calf and fresh for next season's work become members of the dairy herd. Is it any wonder, under such circumstances, that some men it is not. profitable? What man would diat same other enterprise if he conduould succeed adverse conditions, the However, under all these lination with the raising of hogs (which so nicel someses of revenne we have frome thost profitable Could, no doubt, double our real profit, but we Coser attention to the business. Canadian
dairymen have built up a mood fil datiry products, and great strides are still to. Iad the world Her Hand in hand with this wh treeds. We should, and I feel confident can Podnce dairy cattle that will have a world-wide roputation, and will be in demand in manld cound
trins, for in this grand and We have all the necessary requireoumty of ours invicuat marint-w feod, a healthy, bracing and
 OY:…
$\qquad$-



each gathered-cream creamery had its
instruction and suggrest wong the patrons thegivdle the cream properly ways and means to hala more uniformerly, so that it would be kep
It would nothly good condition
isit all the patre necessary for the instructor tooureived in good condition by the creamnstruc. But it would be of advantage to th
atrons once at least
saving ways and means by which they can latoo
號
help some who have poor wetter posted
COOL THE CREAM and Make better

$$
\begin{aligned}
& \text { RAM AND } \\
& \text { BUTTER. }
\end{aligned}
$$much to the quality and value of ade ser

made in the gathered-cream
and make prepsary that some farmers store isproperly cooled and kept in good comdition i,warm weather. Farmers who have not a plentisupply of well or spring water that canthe cream can used, should store some ice so thatpurroseunloss thequred. Good butter cannot be madits the place andcomperature controlled. If the cream is noipen and dese fast, overas well as its god the butterWAYS TO HANDLE THE CREAM
handle their cream by putting it in small shallpails or pans, set on a cement or ground flowad-ventiafter the ced cellar, where the air is impuremay the cream is cooled in the small vessels,may be mixed in a large vessel. It should betime fresh cream is added. Some droy eachfarmers have told me they have kept their creanin this way sweet and in good condition for theopen to allow the hot winds to bindows widewarm up the cellar, especially on the windy andjust a little open to ventilate and let in fresh airkeef their water their stock at the well calwater tank or bar placingthe water will cool the cream while it is so thatthrough to the watering tream while it is passingat some farms where the stock is not wateredcellars well, and where there are poor, mouldyto 15 feet from the a hole dug in the ground 12deep, into which some small stones or four feet$1 \frac{1}{2}$ feet in depth, will prowe to aboutbe set a barre, into which the cream vessels tocream sweet the water pumped around to keep thetom of the barel should be a hole in the bot-gets warm and has to be ware $r$ wherrnough to reach to the top of the barrel tommight be a hose the hole in the bottom. Thereittle bolow the th side of the barrel, justover-filling the barrel and cream cans, oo prevenream. This overflow should be tie water in theto the can escape down the outsides of the hemesroundand cream will bei should be sunk so the waterround. A simall horer than the top of theputsidg lumber over the water always be builtkeep and away from any other huildinen sethe water sun and the hot winds from warmingor house having a good cold spring near the harin fine condition with vare of keeping the creardre some ways that cream may be liter. Thescondition without the use may be kept in goodTuire care and attention, as the creat witl will re
$\qquad$
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[^5]ahatar.

MARCH 16, 1903
being able to keep the cream in a condition tha
will give satisfaction, please the and improve the good reputation of the creamery CREAM SEPARATORS.
articular attention to the immers should pay the cream after it is separated. cream is cleansed from all impurities, it is the would do if not cooled do the same as the milk soon as possible. Warm. Set it in water as not be mixed together. It is while the should warm that lactic acid germs will multiply start the cream to slour quickly. The cream ves sels should be washed and scalded every time ripened cream sticking, as there will be enough sweet croam to sour more the sides to start the Every patron should have quickly if not cleaned. him in the care of milk and cream. The cream should be cooled below $58^{\circ} \mathrm{F}$., and butter to $50^{\circ}$
F . The fresh cold cream aded hours will help to keep the older every twelve Better butter should be made and cream sweet. and less complaints we made and can be made aboute ter made in the gathered-cream creameries if the patrons would follow out the suggestions here
given. COLLECTING THE CREAM.
The patrons' cream should be collected in large
tanks, round, oval or square, wood outside tanks, round, oval or square, wood outside and Each tank should be large enough tace between. the cream on one route. Some creameries all an ice chamber in the center of the tank. horse will gather the cream on two ten-mile
routes, from about twenty-five patrons ton route, in mixed farming districts. It has been suggested that each patron's cream should be dethe cream of load flavor could be detected and that jected. The place to reject crean is at the patron's home, and not at the creanery, as the hauled through the country on a warm day and have it returned the next in a fermented condition, as it would be wholly unfit to make marketable butter. The average patron sends only one to ten gallons of cream, and the volume of cream in each can would be so small that it would be delivered at the creamery. This system when work where patrons send their cream in separate cans a long distance by train, but it would not
work satisfactorily in any other vay, except work satisfactorily in any other way, except
where the patrons have large herds of cows and where the patrons have large herds of cows and
live near the factory. But the gathered-cream creamery is usually established where the patrons keep few cows and live far apart. In such dis-
tricts one tank will pive much better tricts one tank will give much better results.
When the large tank is used a tap is opened on When the large tank is used a tap is opened on
arrival at the creamery, and the cream runs into arrival at the creamery, and the cream runs into
a vat in the creamery without loss of time or
labor labor. But with small cans, the cream-collector washing them, lose much more time, besides wasting more cream.
in the high temperature of the cream delivered in the creamery cooling the cream, and the chances are that it would not be cooled quaick enough on prevent it from overripening and to a low enough churning temperature to make butter of lirm texture, especially in the busy season, and in
creameries where 1,000 to 3,000 pounds of hut are marde daily, such as in the gathered-cream creameries of Bruce and Grey counties, Ont., the one tank is cheaper, more economical in the saving of time and labor handling the cream, and wit, which is the most important thing in buttermaking. There will not be so much trouble with the flavor of the butter if the patrons go to the
trouble to fix-wavs to keep the cream sweet解 Patrons should be very careful not to spill
milk about places where their cream and cream are kept, as the place will soon hecome in this way air foul if there is any carelessmess lean inside and outside, and should be set in a kinds made with enamelled casings into which the cream and milk is discharged. The bowl,
tinware and all parts touching the cream and milh should be removed to the house to be cleaned. When the cream separator is set in the barn all these parts should be kent away, only
while the separating is being done. Pour hot Water into a clean tin pail that has been in the stable or near a silo all day and notice the ordor
that will pass off, and be convinced that the ream is not a fit place to keep such parts of a Toping that these suggestions will lead many to anore their methods of taking care of the Wainut

THE FARMER'S ADVOCATE
Ottawa Cheese Board Farmers' Meeting.
Type in Dairy Cows.
a Se Ottawa Cheese Board has just completed a series of ten meetings in Carleton County.
These have been conducted in the interests of the
dairying industry of the dairying industry of the county, and the enthe
siasm which has been displayed meeting augurs weell for a successiml season in


Sussex steer. Weightsham rivali iil


fended each of the meetings and dealt wh care of milk from the time of production with the reached the cheese or butter factory. In speaking of the benefits to be derived from ripening cheese out that the saving in 60 degrees, he pointed eighty pounds weight was froge in a cheese of half to three pounds over the ordinary method of curing at an uncontrolled temperature. One fac tory in the neighborhood of Brockville, by curing sumamer had a low temperature during the last saving in shrinkage, Mr a saving of $\$ 150.00$, due to Montreal, gave very practical advice on cold stor age, and described in detail homely methods of summer's supplye storing and handling of the summer's supplyy of ice. Mr. John Fixter, of the meetings, and gave addresses at several of the hees "and "The growing of clover and corn."

To the Editor ". Farmer's Advy Cowe
I would like to heartily endorse the sentiment of the article in your March 2 nd issue, page 20
"Form as an indication of dairy propencities We hear the trash argument dairy propensities. anything to do with periormance coming from han. go by, and I firmly believe that all we have to seys and in twenty-five years' selection for ber points, breed them to the perfect beef form of Durham to the perfect dairy time can breed the simply by selection and nicking.
If we cannot iudge from the Jersey
inge to go by. I have had fifteen years' experience in
dairving dairying, and I find that every time we try to in the production, and when the dairy we lose their cattle to dairy production they men breed I am also confident that a man is just as hig a fool to waste good feed on a dairy animal to animal to make dairy products good feed on a beef on that needs a general purpose cow is a penral purpose man.
Elgin Co., Ont.

## Boyine Milk Cans

## es, arrangements for caring for season progress-

 milk supply are being made. In this summer's we are reminded of a milk can that got into Outwardly it appeared like parts of the country. milk can, but the inside cxposed one serviceable the bottom came toward you when you defect, into the can. The fact of the bottom coming toward one might be a harmless enough thing in groove around always associated with a deep bottom and the sides, where junction of the meet on one common ground, and with and germs mon aim, namely, to contaminate the milk as soon as it is strained into the can. Therefore new can, be sure that the necessary to buy a from you when you take the tid draws away you shall have several 'quiet interviews' with the gentleman who is trying to make first-class services at your factory, and who employs the services of a factory instructor to assist him in
## Blondy Milk.

Heifer calved in June last, and is still milking. During the summer one of her still milk Would occasionally give clotted and bloody milk.


COUNTRY blackgmith seop and post office combined. are similarly othents are similarly affect-
ed.
Sometimes the milk is all right. and sometimes slightly hloody. Ans-Bloody milk a small blood ves sel in the quarter
This may be the re This may be the re
sult of an accident or inflammation of
the gland. When it occcurs repeatedly w i thout apparent
cause, it is due to cause, it is due to a
congenital weakness of the vessels, and its recurrence and not be ayoided in bathing with cold water and giving $1 \frac{1}{2}$ in a pint of cold
water, three times daily, until cured There is no danger
in using the milk in using the milk,
but most people ob-
ject to milk that is ject to milk that is
not pure. The lump tended cach meeting, and placed before the dairv- with millins and if it interferes men the advantages to be derived by elling veterinariang, will have to be operated upon by a cheese
method of pivate sale. The action of the the disappear with age, but as there are three teats
tawa Board is a very commended, I do not think it would be wise to ara followed is a very commendable one and combl 1. supper
pects for doumbing the investment are so secure. have to deal with.-HON. THOS. GREAENWAY.

GARDEN AND ORCHARD The Apple Orchard. When trees are received from the nursery they
should be heeled in unless immediately planted,
completely covered with soil, or placed in water
until they revive.
The cultivation previous to planting should be
thorough. A hoed crop the previous year makes
a good foundation, but in any case the ground
should be in a high state of cultivation and fertil-
1ty. The apple will do will on almost any kind
of soil, but nothing is quite as good as a friable
clay loam. Stiff, clayey, sandy or gravelly soils
will give paying results from a well-cared-for
orchrad. If the land is not naturally well
drained, underdraining should be thoroughly done.
No tree can grow and do its best on wet, cold
land.
Every orchard should be set with some regu-
larity. Some recoramend planting on the square;
that is, the trees are planted so as to be in line
in all directions. Others prefer the hexagonal
method; this enables one to set about fifteen per
cent. more trees on an acre of land, a great item
where land is valuable. In the latter method of
planting, the trees in the second row are set
alternating with those in the first, six trees form-
ing a hexagon and enclosing a seventh in the
center. To ascertain the correct position for
the first tree in the second row, and, consequent-
ly, the distance apart for all the rows that way
in the orchard, talke two strings the same length
as the distance apart which the trees are to be
set, fasten one end of one to the first tree in the
first row and the other string to the second tree
in the first row. Next stretch out the strings,
and the place where they meet is the position for
the first tree in the seond row.
[We have never seen an orchard set on the
hexagonal method, and fail to see how by this
plan any more trees can be set on a given area,
plat plan any more trees can be set on a given area,
although we beliere the land will be more uniformly utilized, and consequently the sunlight
more evenly distributed throughout the tree-tops. - Editor.]

Before any trees are planted the ground should be staked out, in order that the trees may all be
placed correctly. It is better if a small stake is placed correctly. It is better if a small stake is
set where each tree is to stand.
To plant correctly and auickly, use a board To plant correctly and quickly, use a board
four feet long, with a notch cut in the center and a hole bored near each end. Place the notch each of the end holes: remove the board and dig the hole where the first stake was placed. Re-place the board and plant the tree, keeping it in the notch of the board: if the work has been
done carefully the tree should occupy the exact position of the previous stake. When planting, one man may go ahead and dig the holes, and another follow and set the
trees. The holes should be dug about two feet deep, and a little surface soil placed in the botthan it stood in the nursery, and slightly inclined towards the prevailing winds. The roots must not be cramped, as every bend causes stoppage in the circulation of sap upwards f
the manufacture of plant food. the manufacture of plant food. place where they are heeled in at a time from the roots should be kept in thin mud or water to prevent them from drying out. Remove all
hroken or injured roots. Head back the tre to from three to five strong branches, and the to off to about six to ten inches, so that the buds may be forced by the circulation of plant food.
It is always well to leave the last bud pointing It is always well to leave the last bud pointing
in the direction in which we wish the branch to in the direction in which we wish the branch to
grow, as the last bud usually makes the strongest growth.
With reference to a site for an wrehard northern exposure is generally the best adapted
as it is not so likely to be injured by early fall as it is not so likely to be injured by early fall
or late spring frosts. In regions where there are many high winds and no natural protection if the orchard, a wind-break should be planted.
The hest wind-break which I have ever seen was composed of a double row of Norway spruce. maple, planted alternately, makes a very serviceground for the orchard.
In order that young irees may grow rapidly
they should he thoroughly cultivated mitil, the they should he thoroughly cultivaled momit, the


anal $4=9$
mored. as a robbed tree cannot give the best retendency for some growers to allow the secondary
plantation to remain too long and so injure the apple trees.
When an orchard comes into full bearing all When an orchard comes into full bearing all
cropping must cease and the orchard receive thorough cultivation until about the middle of summer when some leguminous cover crop may be sown. Such a crop tends to prevent capillary evapora-
tion from drying the ground, and also furnishes tion from drying the ground, and also furnishes a large quantity of vegetable matter to plow Where following spring.
bility to obtain sufficient under orchard, the in the best of all fertilizers, farmyard manure, orchardist to tax his brain to conceive of some suitable substitute. When a leguminous crop is matter left in the soil, and the roots furnish a large amount of nitrogen.
Other plant foods must be returned to the soil For a supply of potash and phosphoric acid, untain. Many so-called commercial fertilizers are sery useful, but their correct composition must be ascertained beiore using.
In the spring, after the ground has become Somewhat dry on the surface, the orchard should
be plowed rather shallowly exercised, as deep plowing will cut off many feeding roots. After plowing, keep the ground worked on top with harrows or cultivators, at least once a week. In rainy weather, if the
ground could be worked soon so much the better.
About the middle of July is the best time to
rease cultivation in order to mave the cease cultivation in order to have the wood properly hardened for winter
ticed, it is much more difficult fruits is pracfertility than in cases of general rotation the crops, hence the cultivation and fertilization must
be much more thorough. be much more thorough.

## (To be co

## Pear Scalb.

oms profusely and fruit turn black and mouldy. Fruit leaves Could you give a remedy in your valuable paper? Ans.-From the above description I think it is apparent that your pear tree is affected with pear scab, a fungous disease known technically as Fusicladium pirinum. This disease affects to a greater or less extent most of the varieties commony grown in this Province. It is particularly bad on the Flemish Beauty.
The fungus is surposed to live over winter in
the young branches, and in the diseased fruit and leaves. In the spring it first appears on the leaves as roundish dark spots, which finally emproduces at first merely brownish me fruit it to a deadening of the tissues. These become darker and increase in size until, if badly affected, the entire pear becomes covered and eventually cracks. This cracking usually accompanies
the scab, although it may not be directly the scab, although it may not be directly caused varieties, the result of certain irritable external influences.
Since it
Since it is believed that this fungus winters in evident that the early diseased fruit, it is quite ease should be prevented; for once having secured a foothold, the spores are rapidly produced and The best means of preveren in cool, moist seasons. Bordeaux means of prevention is spraying with made soon after the leaf buds expand should be ond, just before the blossoms open ; the third immediately after the blossoms fall; and subsequent Sprayings at inte $\qquad$ B. Cutting.

## A Big Onion Crop.

of Nowember 15 th, regarding the profit to be ob-

> $5-2 \times 5=5$

## Fertilizing Orchards

A correspondent writes to know whether we ould advise the use of commercial fertilize his orchard. The soil is sandy, and it is almost mpossible to get barnyard manure. There is $n$ oubt that the orchard needs barnyand manure which should be applied as frequently and liberained possible, but as it can scarcely be obor this purnatives must be resorted to s the soil is sandy have several commodities all the fertilizing constituents, and as the owner has a business in town, we would suggest that he secure all the wood ashes possible to supply the potash to the trees. For nitrogen, and to she ply humus, green crops may be grown. In the pring, if peas, oats and vetches are sowm and Mlowed down, followed by a crop of buckwheat retrin plant food during fall and spring the tand ill soon be plentifully supplied with nitrogen and humus. Phosphoric acid is still lacking, and in all probability will have to be bought, alashes and in which green crops. Probably the best form of superphorm vill depensphate of lime. The price per pound horicpor apon the per cent. soluble phoshe superphond also upon local conditions. Sow veek ron. The later, then again with the summer in the per buying, a certificate phosphoric acid, and should be mined, enough fis factor is deteradded to furn she phosphoric acid ar soluble the trees it may be sown ach crop. About Another good method a little thigker cid is to large wooden troughes and stratify them in a When the bones become aft the ashes (which will require abo to mix with the whole mass can be raire about six months), is an excellent application for the sor. This and is a most common-sense method of utilizing bones and ashes.

With such treatment, and by applying a liberal coating of manure about the foot of the trees, a short time be coaxed into growth and bearing.

## Canada Hardwood Ashe

In the February issue of Country Life in Amer, half-page illustrat Harrisburgh, Pa., is a large lawn and park show "the benefits of Canada's the picture is to on our lawns." And we think hardwood ashes slightest note of commiseration in the title the illustration. Perhaps we feel too keenly on ashes bect, but why should our good hardwood ashes be taken to the states to be used as highgrade fertilizer, making their lawns and parks complish the sam onmph the same end, spend large sums of mone lesson fore surely there is Our lawns and orchards need fertilizer illustration tain their growth. Barnyard manure is good are objections employed, but in many cases ther about some trees. By sprinkling on lawns and lawn, and then giving it ankling ashes over the liquid manure, the grass is watering with dilute life and increases its beaty and utility lease of firm. The ashes may also be applied to an benefited by a sprinkling of and every garden is
spene on why denler in ine in in ind

It is not the price which we get for our stock ween the cost and the rather the difference be

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## POULTRY

## Wryneck and Roup.

1 am glad to say that the wrynecked cockere so Mr. Graham woun't seems to be getting better specting his carcass this time. After I wrote to and the advice inquiven about a wrynecked hen six to twelve hours and then give two tablet for
Santonin $2 x$, Santonin 2 X , repeated every hour till six are
given, and then give a tablespoontul given, and then give a tablespoonful of sweet oil,
or feed the bird crushed garlic bulb. I gave the
contenin santonin and fed it onions. The bird's neck was
like this S , with the head it is now, nearly well head twisted under the neck one side. It is said to be the result either of digestion trouble or worms, and is a brain
nervous disease. I have iust
theria or roup, am not quite sure which of diphdumpish in the morning, and would not eat, and
its comb had been fion its comb had been frozen, though it had not not been feed it, when I found its mouth wand went to smelling mucus, and its tongue seemed of bud down. I washed its mouth and shroat, thed sprayed with a mixture of coal oil, Graham's liniment and listerine. I think that checked the
disease to some extent. nor did it have any discharge from did not swell nostrils. I was not able to get powdered o cium sulphide, so used peroxide of hydrogen, recommended for roup, but which is used by doc-
tors in dinh ors in diphtheria. This was mixed with water,
one to four, and used in a small will also used sulphur. I gave it ance olday. about one-half inch in diameter, of lard a pill parts, vinegar, mustard, and Cayenne pepper, each one part, with enough flour to make it thick. it will be a month at well; it is very thin, annl breeding, but as $\$ 10$ would not buy me ns ford a one, I am well content to have saved it at all.
I'rescott Co .
C. W. BEAVEN

## Raising Turkeys.

The first essential in raising turkeys is to have table birds, small boned, plump individuals should be used, and old birds when not fat or otherwise incapacitated are better breeders than the younger
females. A large range is exercising. The hen turkeys usually required for in early spring, and to more easily secure the eggs, nests are arranged in secluded places about the yards. It the hens are inclined to stray away to lay, they should be kept up until they not desert it.
Generally speaking, turkevs be come broody after having laid about eight to twelve eggs, and, if possible, they should not be allowed to sit until they have laid about twenty. natural incubation most commonly hatched by turkey hens themselves. They are ,ietter pro tectors, better rangers, do not wean the rounc so early, and are kinder to their young than are
chicken hen mothers. A turkey hen will cover
from fifteon twenty eggs, and requires twenty-
cight days to hatch hem. When the oung hatch they alone until the old
turkey brings them turkey brings them
off the nest. ossible a clean coop ith an enclosed anged near the nest ters for the first le, they should be crised in a clean, rass. plot. They nd dry Kumnine the cold, wet Whats in the morn-
ant is fatal to oung turkeys. They not require any
od during the first chty-four or an food must be ally fed. Other stale bread S. hard boited
and cur ded
for the \#irst


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after this, cracked grain, table scraps, mill
feeds, etc. (growing turkeys) Alway give grit. When the poults
wattiles to develop red comb and wattles, they are then about lable to care and
themselves themselves, and will need nothing more than a
feed of grain at home, and the ordinary care that all stock is home, and the ordina
given in wet weather.


Foxiound puppies.

## An Ere Record

A lot of poultrymen are doing a good deal one year, throurh many egge their hens lay in like very much myself. It is I thinkser, which greatest papers of the world, not only for the 38 pure but everybody. But let me tell you what me: During thouth Rock hens have done for 38 hens laid 501 egrs: in Fehruary, 102, my March, 844 : April, 900 . May $89{ }^{2} \mathrm{y}$, 611 eggs July, 70 Ahagust, 676. Soptane, 827 ber, 580 ; November 301 . December, 210 age a total of 7,599 eggs, or almost an there is eggs per hen for the year. Now if breed, that man with leghorn hens, or any other rom him. Durham

## Do we Need a Honey Exchange

So many good ideas have been advanced late with reference to co-operation and organiation of honey-producers, that one is at a loss time know just what to say on the subject. The the betters to be ripe to do something towards not be out of order of our producl, and it will ditions with which we have to deal.
In the first place, while it is growing rapidly, the industry is still in its infancy, and, although
following thie tendency of the age, town ization, it is by many conducted as a side issue: Chisequently, the bees and honey do not receive eight hives happen of attention. If the six or for family use, the balance is apt to be looked the as so much clear gain, and turned over to bought at at his own price. The latter, having customers by selling cheap can accommodate his small producer thoughtlescly sets other words, the low at the beginning of the season the retail price lose much on a few hundred pounds, but the large producer, who must to a certain extent follow his
lead, loses considerably in his tons.
sell to th the producer to know how or where to large average yield, and conclude that hove a very plentirul, while, perhaps, a few miles away
there is there is little or none. This is often the case some other place is that Toronto, Winnipeg or plus. Others have heard the same thing his quently certain centers are crowded with conse while outlying points, perhaps nearer the to be avoided ?
theng a shortage. How is this lems can be solved th the form simiar erly organized and properly conducted a prop embodying the co-operation of the thousand and WHAT Hows throughout the land.
A well-organized EXCHANGE COULD DO. exchange could ced and properly-conducted honey for the benefit of its and distribute information ducers. Information could be collectel promembers, and a monthly or fortnightly bullet number of their especial beneft, showing the amount of both and condition of bees, also the all parts of Ontario and old honey in sight in that date, of the current and two preceding yes a These reports should also show how much honey has been consumed in each section of the country meets the demand enough and not too much can be bex exist, just the nearest place having a surplus. In in rom surplus, perhaps by judicious advertising, the de any case be increased to meet the supply. In be allowed. Better to ing of the market should much lower figure nnid distribute the small loss
to their honey crop, than allow it to remaln a
demoralize the whole market. A matter which is at present sadly neglected
is the advertising of honey. The very heavens
resound with the cines, white the most pleasant and nutritious of natural sweets is comparatively unknown in our Canadian homes. The reason is not far to seek. "Honey is honey," and under existing conditions sale of Brown's honey almost as much as his
own. The only way al, to form a honey exchange and advertise honey of the exchange. They would then agree upon a remunarative price, which would not be-
come exorbitant, by the way, on account if the direct competition of fruit, syrups, and for ang "honey", would would addertise extensively a u itil along with "papa" and "mamma" by the lisping Another matter which can only be mentioned putting it up in the best grading of honey and agents of the exchange could see that the honey each package should be sealed and packed, and each package should be sealed with the seal of
the exchange, not to be opened arain excent by the consumer. This seal would come to be sough after by buyers.
The thoughtful reader will be able to work
out and add to these few suggestions until he out and add to these few suggestions until he

QUESTIONS AND ANSWERS







## Veterinary

[Answered by our Veterinary Editor.]
Subscribers are kindly requested to read the conditions at the head of this department before diseased

She has a lump a little larger than a the throat. egg, not very hard, but she has considerable difflculty in getting her breath, she is running matmouth and chokes her so she is coughing a good the disease for drinks fairly well; she has had trouble tuberculosis? The months. Is the jaws, right below the windpipe.
Roseland, Man between her Roseland, Man. SUBSCRIBER. Ans.- The trouble is probably due to the
lodgment of some foreign body in the soft tissues gullet (larynx or pharynx) of the windpipe to examine, very carefully, the parts mentioned, which cannot be properly done without the aid of open, and if any foreign substance is discovered, Which would likely be all the treatiment necessary. The lump below should be freely opened with a knife. The symptoms you have mentioned would
not necessarily indicate tuberculosis. You might, however, have the animal tested with You might, LUMP JAW.
When about the size of goose eggs I hard a vers. erinarian remove them. He pronounced a vetdrench with, and now, three weeks after treatment ended, the cows have a cough. Was it llmmp
jaw ; is it contagious, and does a cough attend
it? Essex Co., Ont.
Ans.-There is Wo doubt the cases were lump Ans.-There is mo doubt the cases were lump
jaw, but the bones were not affected It is not
casily contagious, but a healthy animal, cating the discharge from a diseased one, mimght, canting
the disease. A cough is not a symptot coughs mentioned have not a symptom, and the
disease. If the courbs contion with the disease. If the coughs continue, you had hotter indigestion in lamp.

1. Mare has scabs the size of punpkin seeds in standing in the stableting she kicks whistles. When breaks the halter. She outside she pulls back and within the last month. Are they due to worms? his hair is dry and thin. I feed him two quarts crushed oats and one of bran, but he will not cat
2. What will rid young pigs of worms?

Last spring my pigs, about three week days,
5. Heifer has short teat next to one of her ront ones.
Kent Co
Ans.-1. Dress the scabs three times daily with Nothing acid, one part; sweet oil, twenty parts. a box stall until she forgets the hat pur in ing, and tie her with a strong rope halter that she cannot break when outside. These vices are dling due to worms, but to carelessness in handing, and they are hard to cure
2. Give him a
linseed oil; scald his chop, and dive eight ounces what he will eat. Feed often and a little only ime. Give fifteen grs. each, sulphate of iron 3. Give two to daily
six ounces raw linseed oil, according to size.
4. This was due to something the pigs
4. This was due to something the pigs or sows
5. A veterinarian can remove the teat, if it
must be removed. It is an operation an amateur should not attempt

## LAME HORSES.

all. Horse went lame in his shoulder early last of different kinds. He got nearly better alisters drew rails with him a few days ago, and he went as lame as ever before night. leg about the same time. I bathed, bandagred and rubbed with liniment, and followed by blister-
ing. He is still lame. and the tendons hard swollen.
Middlesex
Ans.-These horses require the same treatment hut it will, in all probability, take some months
to affect a cure. Take biniodide of mercury and cantharides, of each two drams, vaseline, two ounces; mix. Clip the hair off the parts and rub the blister well in. Tie so that he cannot bite blister, and in 24 hours rub well again with the head down now, and apply sweet off. Let his until the scale comes off, then tie up again and blister as at first. Give rest, and after this SORE baCk AND wITHERS.
One of my horses has a sore back where the
saddle rests. It was sore lact worse now. It raises in little lumps and but law. Another is somewhat the same, but does
not get raw. Mork Co., Ont.
will be - no phe harness must be fixed so that there the raw parts with butcer affected parts. I) es with a feather once daily fortimony, applied Bathe well with cold water threr four dressings. dry and apply the following lotion: Sulphat oul one pint acetate of lead, of each one ounce water one pint. Simply bathe and use the lotion on
the one that has no raw sot

## bursal enlargements.

side of his hocks colt has puffy lumps on the outInfferin Co three. He is not lame sars and Ans.-These are bursal enlargements. Keen
him quiet in a box stall. Blister with two
cach, biniodide of merany with two ounces vaseline and cantharides, mixer rub blister well in. To Tie so that he cannot bite
the parts. In 24 . blister, and in 24 hours rub well again with the anply vaseline daily until the scale comes nof

INDIGESTION
Cow calved last week; ; before calving she hat chop. The meal was ino guarts ont and wheat
amount in two sick, appletite impaired, and sectetion of became duced. I ain now feeding pulpet mangels, two
quarts chop, and clover hay.


## agalactia in sow.

I tried farrowed in February, but had no milk all died. The sow was in cow's milk, but they fed very lightly for four days before far rowing peared sick in all for 36 houns after. She ap purged her with oil and Epsom salts, and she got all right, except for the absence of milk. She it was milk trouble last litter, and I thought ing. She has bred successfully for aiter farrow Wentworth Co., Ont. Ans-Agalactia, or an absence of milk, occa-
siomally occurs in all classes of animals without apparent cause. I do not consider it good prac ing. The want of nourishment was after farrowcause of the sickness in your sow. The stably the or fasting would certainly tend to check the ecretion of milk, and this is exactly what you the female should encourage the secretion of mill on solt food to liberal feeding will correct the fault and in cases the mammary glands remain inactive. I would raised breed the sow again; young pigs can be one-third of its orwn bulk should be diluted with added, and given often anid a little at a tite sugar a temperature of about 100 degrees a time, a hiciper with a couah -swo

1. Heifer had a wheezes loudly and breathes short and quick The least exertion affects her breathing very
much. Does it require a professional with tuberculin? require a professional to test 2. Heifer just calved. Before calving one
her teats swelled to about twice its normal size She is hard to milk, especially the large teat. Ans.-1. The symptom A. E. If a person has the necessary instruments alosis perience, it is not necessary that he be and ex erinarian to test with tuberculin, but unless he expert experience it will pay him to employ an ably bungle. 2. Experi
external openings with a view to enlarging the make milking easier, have not been generally suc make the case serious such inflammation as to congenitally small, as in your the openings are to let them alone; either have patient is bette ing, or fit her for the butcher. At all events do Bencfil has inexperienced person to experiment plugs in the in between milkings, with view to remain the openings, but great care must be expranding have them thoroughly disinfected, and pren t proper size and shape.
```
                                    miscellaneous.
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How would you treat horses to make them
a sleak coat, keep them healthy and kidney
What causes horses to slaver at mouth?

usting in will prevent

## Northumberland C?

oats of good quality, with a amount of hay and Groom feed of bran and linseed meal twice wealy warmly. This y at least twice daily, and clothe No drugs are required them sleek and healthy, require medicine to keen them heal that horses periodical administration wrong. The regular or pose is injurious. Horses should for this pot be piven
drugs unless given them will depend of course, the drugs to be luires careful feeding and plenty disease. It rekeep horses looking well. A lazy man never has a sleek team, as nothing will take the place of of The molar teeth cause of slavering is irregularities this. It is tometh. A veterinarian will correct 3. Rubuingange to pure food is indicated the 3. Rubbing the mountings with sweet oil will
vevent tarnishing, otherwise it cannot be preanted in a moist atmosphere.
I bought a mare a month ago. She appears
oo be in season all the timo. She is fisagreeable to handle : is continually switd and Bruce Co passing small quantities of urine. Ans.- Your mare is not suffering from any disfrute. If you are not very careful she will kick on medicinal treatment will be of any value kick.
$\qquad$
feet should be trimmen

1. My colt, 10 months old, runs loose in box
stall and barnyard. Her fore feet are flattening out on the sides, and one is split are three-quang ters of an inch. 2. What should he be fed
worked ? 4. Would he have more life if not worked unti Addington Co.
Ans.-1. Get a pair of hoof clippers, knife and rasp, and dress the feet to as near the normal shape as possible, or get your blacksmith month, as the wear is not done about once a and if neglected the feet become abnormal in size and shape.
2. All the first-class clover hay he will eat about two quarts scalded crushed oats night and of carrots at noon. A feed of bran should be given in addition twice weekly.
3. A colt should be handed go in harness before two years old, but should go in harness before two years old, but should
do little work until four, or better, five years 4. He will make a better horse if he does little work until fully matured. 1. I noticed my horse passing white worms He does not look as well as he should, considering the food and care he gets. Ans.-1. Twike $1 \frac{1}{2}$., ounces each, sulphate Ans.-1. 1wise $1 \frac{1}{2}$ ounces each, sulphate of
iron, sulphate of copper andi tartar emetic, and
one ounce one ounce calomel; mix and make into twelve
powders. Give a powder night and mole powders. Give a powder night and morning, in
damp food. If he will not eat them mix with damp food. If he will not eat them, mix with a
little water and drench him. Starve for ten hours after the last powder, and then give a
purgative of eight drams aloes and two ginger. Feed bran only for 24 hours after giving the physic.
4. Repeated blistering and long rest will usu-
a:lly effect a cure.

## INDIGESTION IN COW.

Cow has been sick for fifteen days, eats little holds her head low. Quebec East.
Ans.-She has indigestion. Purge with $1 \frac{1}{3}$ pounds Epsom salts dissolved in warm water low with two drams nux vomica, and each, sulphate of iron and gentian, night dram morning. Feed lightly. If constipation and bloating continue, give $1 \frac{1}{2}$ pints raw linseed oil will not ruminate. The cud will return when the
disease is cured

> ECZEMA.

I have a young mare with eczema in hind legs, She took it about a month ago; her legs are prescribe a cure. Perth Co., Ont.
Ans.-See last issue of our, journal, page 213,
"Indigestion and skin disease,

## Hofor is ophthalmia.

Heifer is poing
ing over her eyes.
Bruce Bruce Cor eyes. Ont.
Purge - Fithe in partially darkened S. Purge with one pound Epsom salts ; bathe the after bathing put a few drops warm water, and iotion into each eye: Nitrate of silver following distilled water, two ounce

w. m. Champion, reaburn, man. esident Manitoba Dairy Associatio

## FATAETY IN HiEIFER.

Heifer was noticed shivering one morning, but ing her cud. Next morning the same; was chew at night was found hand did not appear right stall. Next morning she seemed was put in box dead at ten o'clock. Ans.-It is impossible to diagnose the case without further particulars of symptoms. A post cause oi death. She may have died from the internal hemorrhage, or possibly from inflamma been due to bowels. In fact, death may have
horses with cough.
My horses have a bad, hollow cough
at and drink well. W. Feel, the cough, without further symptomat causes are many conditions that cause coughs. Hollow horses are affected this way heaves, and if your feed little bulky food of first-class give larger quantities of grain, also of good qual ity. Dampen both with lime also of good qual-
thiokening after wound.
over the spring of 1901 my mare got her leg posterior surface of the pastern. It was ver and the whole pastern is swollen.

Ans.-The
action in the swelling is due to inflammatory drams aloes and two drams ginger. Apply hot poultices of linseed meal to soften the scab and moved from the scab After the dry surface is redaily application, of a little butter of by the Apply with a feather. You will find it is a yery frard mather to reduce all the enlargement caused by an accident, and in many cases an operation

## AbSCess in foot

Horse went lame. On removing shoe I found ald odstained spot, from which matter escapes and Grey Co a projection of a soft fleshy material Ans.-This is an abscess caused by a bruise or prick. The protruding substance a bruise tion of the soft parts of the foot, and will dis appear on subsidence of the inflammation will dis and poultice withe part; sweet oil, fifteen parts applied warm three times daily and linseed meal
lump on thioat,
Pease inform me, through your valuable a lump on the side of thear-old steer which has Lambton Co., Ont.
Ans.-Ascertain whether the lump ons carbolince and wash out with warm water and contain acid. If the lump is firm and does not lump is hard like a bone with iodine. If the juw, it is probably lump jaw and attached to the last issue, page 213 .

## TORPIDITY Oer kidneyg

and her hair dry. urine is milky, thick and foamy, little results. 1 have given sweet nitre, with
o., Ont.
ot give sweet nitrerpity is more of a stimulant than a diuretic. Give a dessertgpoonful of nit hight of potash, in damp or boiled food, every urine, repeat in ten days.

## EWE Vomits.

hat a year and a hall one of my ewes vomits loat she eats, especially turnips and salt. She Ans.-It may be that it is not vomition, teeth are irregular have them her mouth, and if her account for a sheep vomiting turnips I cannot and not other food; and if it really be vomition On account of you to not feed her fny turnins turnips may disagree with her


Crackeld heels and ophthalmia.
Last fall my mare's less stocked and one heed
broke out. Later her eyses tot cor and the
 hetter, but the pupils are contracted.

 has a honstitutio oull disease callod periontic
ophthalmia. Its recurrence carnot be avoided
 probability, go blind from cataract. When afdrams givee her and thight purgative of say, six
dray comfortable, partially darkened box, bathe the eyes well three times daily, and put a few drops
of the follo owing into the eves after bathing vizs. Suthe following into the eyes arter bathing, viz: five grs.; ; distilled water, two ounces.
partial dislocation of pat

1. Three-yenr-old colt has an enlargement one stifle joint, and the other cracks when
trots locks in front and walked same age, had weak fetmost of the first summer. The pasterns are too oblique, and she stumbles now when I am breaking her. Co., Ont.
Ans.-1. The colt's stifle bones come partially out, and the cracking is the noise made by the bone slipping into place. There is usually an enlargement such as you mention. Absolute rest ments, but it is not probable the lump the ligaremoved or a perfect cure affected, but the colt will make a fairly useful animal, especially for slow work.
weak Tt oblique and long pasterns are always weak. It is a normal conformation and little can be done. Repeated blistering might be fol-
lowed by an improvement.

## Miscellaneous.

Subscribers are kindly requested to read the conditions at the head of this department before writing or mailing their enquiries.

MARE IN FOAL-FEEDING RATIONS foal to a sire of 1,900 pounds. She is eight years old this spring, and this will be her first four weeks, and so far her udder has shown very little signs of enlargement. Have been feeding her clover hay and two quarts of groumid oats night and morning, and some salt at night. Is there any danger that she will not have enough milk to supply the colt? If she does not, what is the best thing to do ? tening steers be the same? dairy cows and fatthing steers be the same ? I have ensilage, plenty of oat and wheat chop, and some oil cake What would be a balanced ration for each out of my feed ?
3 . Is it put up by divisable to feed stock foop which is put up by companies, or will stock fo just as
well if fed oil cake and plenty of salt? Simcoe Co., Ont. FARMER. milking, if you continue feeding her as described and give plenty of exercise. Give her some light milker, teach the colt to eat chopped oats good bran as soon as possible.
2. As the object in feeding cows and steers is almost identical, namely, to produce fat, the rations may be somewhat similar. Of late, howof feeding wider rations than were formerly used in fattening cattle. In this case it is difficult to
determine a balance in the ration, on account of there being nó analysis of ripe threshed clover hay. We have assumed, however, that it is of
about the same composition as pea straw, and have based our calculations on this assumption. If bran cannot be had conveniently, thirty pounds
of ensilage, fifteen pounds of clover, four pounds of oat chop, two pounds of wheat chop and two of oil cake might be given to get a ratio of
$1-6.5$. Where the what could be exchanged for cake making four poumds of when and on cake making with the roughange;
cows each day for even The steers might be fed
jumbl cach of wheat and

$$
\begin{aligned}
& \text { tatio of } 1 \text { to } 7 \text {. As feeding } \\
& \text { :homble increased up to eigh } \\
& \text { 3. There are certain times }
\end{aligned}
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$$
\begin{aligned}
& \text { hond he increased up to eigh } \\
& \text { So. There are certain times } \\
& \text { stove forms are valuable for tor }
\end{aligned}
$$

## many queries <br> . Is it a good practice to bury dead animals

 has outlived his usefulness, or other farm ani2. Do you think the growing of ginseng is as profitable a business as the Chinese-American Ginseng Co., of Joplin, Mo., would lead one tobelieve? 'Would you consider it wise to attempt to raise it in this country for commercial purposes ?
3. We are informed that the best grade of
clover seed raised in Canad is expor clover seed raised in Canada is exported to
Europe. Is this true? What is the difference Europe. Is this true? What is the differenco
in price between the first and second grades, and where could
4. Is swamp muck or marsh mud in any way benefited by composting with lime alone? If so, what proportion of lime stould be used, and how long should it remain in compost before applying
to the land? P. E. I.

Ans.-1. In burying such animals, many of the roots of the trees would be broken, this retarding animal would or it may be that the decaythe tree, causing excessive growth. It would not injure the fruit.
what representations have ginseng has been carried on The growing of certain plantations in the States, and in some parts of Canada it is grown on a small scale. It unless one were prepared to furnish these it could not be made a success. It may be worth trying on a small scale.
3. As a general rule, the best clover seed is cheaper grades, and sells more for freight than markets. The difference in price depends largely upon the local dealer. In the open market there is usually a difference of from flifty cents to one the best export seed, to a reliable seedsman for best on the market. you would probabiy get the 4. Generally, muck, has a certain amount of the soil. By composting the bacteria working in lime neutralizes the acid and the muck undergoes partial decay, thus hurrying the process that lime, use about ton bushels of fresh slacked with to one hundred of muck. The two are laid in layers and the pile turned once or twice in the course of four or five summer months, at the end of which time the compost. is ready for use. Wood sheer injuring crops.
We are having some difficulty with our neigh-
bor's sheep coming onto dur fall grain suppose the case to be as follows : A. We will adjoining farm from B.; C., the present tenant has possession until the first of April. A. had tilling privileges as soon as last harvest was fall grain. C., of course, has the privilege of keeping his stock at B's barn until the first of April, but he is allowing his sheep to come into A's fall grain, there being no barnyard fence. The sheep are doing considerable damage by eating days. C's sheep also come tramp ing on soft of A's and do similar damage. The sheep appear to be breachy, but the snowdrifts assist them in getting over A's fence.

1. What steps should A. take
2. Has C. any right to allow his sheep to go A. Can A. legally impound C's sheep ?
make C. house his sheep?
Ans. -1 and 3.-A. should warn C. agains trespass on his, A's farm, by C's sheep coming tual, impound the sheep, which he is love ineffec titled to do.
3. Perhaps not; but as the case is stated we obligation to Aee that he is under any legal rather seem that if the grain is to be protected from C's sheep, A. must see to it himself, by arranging
the field.

## PERCHERON COLORS. <br> Is there any standard color for pure-bred percheron stallions? Is a black as nure bred as <br> Percheron stallions? Is a black as pure bred as the gray? Should his legs be free from hair

 Ans..-Pure-bred lercherons may be either Wha is ". Wray. We do not know that there is - + - $=$

## Line mencing disputes.

A. and B. own farms joining, 100 rods of 'line
fence running between. A. builds north 50 . and B, south 50 A. sells 40 acres ff the tous of his farm to $\mathrm{C}^{\circ}$., keeping 10 , and builds the 20 1. Can B. force C. to build 40 rods of the iormer 80 , making him take 10 rods of B's 2. Supposing the 10 rods is a poor fence must B. supply rails enough to build it? and build from them, supplying there is there not see fit to put up the same kind of a fence? clarness and fulness to enable us with sufficient questions. But we may say that if you are un able to agree with your neighbors regarding these matters of line fencing, you should take advanage of the provisions in that behalf comtained Your first step thereunder would 1897, C. 234). other owners that you would, after one week fron the service of the notice, cause three fencelviewers of the locality to arbitrate in the premises (Sec 4). This might of itself tend to bring about an agreement between you, and by Sec. 14, any respecting such line fence, may be filed or tered and enforced as if it were an award of regis viewers. A short form of agneement (the Form eferred to) is to be found in the schedule to the Warbles - hioking ox
same in cattle hy fending fower of culphur or of chemical in food, without injuring cattle ?
2. How much sulphur is necessary to destroy vermin
3. Young ox was trained to kick by children neighbor, from whom I got him, by tickling his heels
with a fork. Is a fine beast to work and very lind out of stable, except that he frequently kicks one leg over tongue of sleigh. Kicks forward out of stable and backwards in stable. Takes periodic turns of himing. Will not punishment on legs for kicking make him 'worse ? Please suggest a remedy which wit Muskoka District.

Ans. -1.
suffocast enough to get into the air channels and so suggest the kicking spells are periodic, we cannot ment and never abusing him. bug goat

lucernich is consldered best for hog pasture, rape leeding, and when should they of them good for cattle or vetches be cut same year as sown? Do hogs do well on pasture with little other feed?
Ans.-II our correspondent had all these crons he would have an ideal hog pasture. The lucerne would July, the for early summer pasture, the vetches for rape for second crop of lucerne for August, and the well on the same crops, although the rape sometimes talints the milk of cows. The etchese sometimes year as sown, just like peas; but lucerne requires a rain get a stand, like red clover, if sown with a dacidedly the better aown alone early in spring, which is The second betlor it, may be cut the same season changing hogs about fray be cat three times. By other very little other feed is required until the finish ing period, say the last six weeks before marketing hen more concentrated food should be given

Would you kindly give me some advice as to what Would make a good pig pasture for coming summer? have about an acre of ground near my pen that 1
have grown roots on for two seasons and would to sow something on it so that my pigs would like part of their living.
Grenville
SUBSCRIBER. Grenville Co., Ont.
one-hati the plot and rape, sown at different dates, on the remainder, would give green food from the middle of June until on the 1st and 15 th of June and 1 st of July sown and coonomical method would be to mow these crops pasturing or mowing will hogs, but if kept short by ing alfalfa with the grain a catch might be secured thereby providing a crop for the succeeding year. For alfalfa when once established.
What duty on imported horses.
Canada to the States, and how far is Chatham and Michigan. U. Ans.- The duty on Canadian horses entering the Cess, over that valuation $25 \%$ ad valorem. Pure-bred
btock for breeding purposes, registered in offcilly stock for breeding purposes, registered in offcicilly
recognized U. S. records, passes into the States free

## MARCB 16, 1903

buttermili for deliciens - natural
and to mix with chop feed for thems as a dimi . Could it be fed the same as skim milk? Is it as good as skim milk
What is a good ration for
untii they get about three weeks old? (ickens from a 150 -egg incubator are as wall chickbrooder ?
Kent Co., Ont.

Ans. -1 . It is frequently used
3. There is not much difference unless the
skim milk is always sweet, and then it valuable.
4. First feed to young chicks should consist of hard-boiled eggs, one part to three parts. of dry
bread crumbs.
Then for five or six weeks feed coarse oatmeal, moistened five or six weeks feed
any bread crumbs skim milk, with About four o'clock each evening feed hours. cracked wheat. Give green food often, and a lit-
tle meat food occasionally. 5. Yes, if the weathy.
5. Yes, if the weather were not too cold ;
about 10 or 12 chicks to a hen in cold weather and 15 to 18 when warmer 12 chicks in cold weather, CEMIENT v

1. I have a house which is lathed and plastered How would it do to take off the clap-boards and fill in with concrete, having the cement extend about two inches beyond the studding.
2. How much cement will it take for 800 feet of face measure, six inches thick, and how much
will it cost? 3. What do you thin,k was the
my sheep ? Their legs got cold and stiff; they killed one, but could find nothing wrong with it I killed one, but could find nothing wrong with it Huron Co. ${ }^{\text {W. W. }}$

Ans.-1. It would be a good plan.
2. If you would correspond with panies advertising in this journal they would comou the most accurate estimates.
3. We cannot was the matter with your sheur description what was the matter with your sheep. Be sure they
are not too fat, or constipated. See that they get salt and water
amount and value of ensilage in silo. supply through the columns of you if you can paper a fair and accurate rule for estimating the amount and value of silage in bulk. H. H.

Ans.-Much depends upon the depth of the silo, the silo will weigh much more than thattom of at the top. Generally speaking, thirty pounds per cubic foot is a fair estimate of the amount of corn ensilage in a silo, and the cost of putting
ensilage in has been estimated at about $\$ 1.75$ per ton; under Ontario conditions this includes cost of preparation of the land, cultivation, rent for land, cutting and harvesting. The value for stage of maturity of the corm, and the prices of other feeding stuffs.

PReSERVING fence posts.
Can you give a method of treating cedar posts terest to a great many of your readers be of inengaged in the Page fence business, and would like to know if there is any way of making cedar posts last a natural lifetime ; also I intend putling up foot bridges across rivers with Page
fencing; the anchorage will be cedar, buried six feet deep in the wet mud at side of river. What ess to prevent cedar from rotting in such a Huron Co., Ont. covering wood to increase its durability. Three rood mixture to one of unsalted grease makes whitewash is also good, but the parts should be Hry when the preservatives are ap'plied. sowing alifalfa. 1. I want to sow fifteen acres of alfalfa, eight for
masture and seven for hay. What would be the best uring crop to sow it in? How much shall I sow per
Would you advise mixing any other seed with 2. sown for pasture?
2. My land is clay lo

My land is clay loam, well drained : do you think
spelt would do well on it?
ent Co., Ont.
Ans. -1 . Barley has always proven the best nuise for alfalfa, although we have seen good catches
$h_{i}$ oats when the season was favorable. Sow the Crop thinly. Most people advise sowing alfalfa
and thus sown early ft may be cut once the sarce on. If the seed is pure and vital, from 15 to 20
fer acre will give a good catch. Timothy, or ber acre will give a good catch. Timothy, or
orchard grass, might improve the field for
ce, but we would not advise any mixture The chief trouble with spelt is its weaknes

THE FARMER'S ADVOCATE.
tree seeds-beekeeping.
When do elm and white ash seeds get ripe what kind of soil?
to keep? 4. The kind yau prefer; do they work in red
clover? hive? How do you make the best kind of beeKent Co., Ont.
Ans.-1. The seeds of elm ripen in early sum-
mer, May or June, and white ash in antumn mer, May or June, and white ash in autumn.
2. Plant the seeds as soon as ripe, with the a cool, not too tory elm, which must be kept in spring. In propagating any tree or shrub and make the conditions of soil and shade as 3. A farmer bees from a neighboring apeekeeping should get ing good work, as these will be accustos been doconditions of the neighborhood. Later on im proved queens can be bought.
4. None of the
to any extent, owing to their work in red clover 5. Makeach the nectar. inches wide. Fit the corners tightly. Put, 12 good sound bottom board, easily detached, that the top edges two inches on the front end. On deep by one-half inch wide should be one-half inch the shoulders of the foundations upon without holding up the top. On top of this hive one flow, the supers being placed during the honey without any ters being made like the hive, but serve as a top. The entrance should be will one-half inch by one-half the width of the hive Have the hive just wide enough to take foundascription will fit your extractor. This is a description of the simplest kind of hive, and is very
satisfactory with farmers build more elaborate hives if course you can judge from your enquiry that you are starting beekeeping and want sofhething simple. starting CRIMSON Clover.
crimson clover? I would like to know: (1) Time to method of planting. (2) Does it yield good hay, and in Ontario, and, if so, what is the yield? Does it seed information that you may be able to give will bo thankfully received.
Elgin Co., Ont.
the legumes. It is cher is one of the most tender of cover crop in gardens and orchards. Ontario as a enrich soils after early crops have been taken off. is estimated that an average crop adds as much as $\$ 20$ worth of nitrogen per acre to the soil, and where four tons crop of two tons to the acre there will be sown in orchards in July, after cultivation has ceased, and also on corn land. It is fre-
quently used after buckwheat to build expected expected to live over winter. Its greatest value is as
a cover crop and, for plowing down retains nitrates, accumulates nitrogen, furnishes hus. It and keeps down weeds in the fall furnishes humus, known seed to be harvested in Ontario. So have not district fruit-growers let the seed ripen, mow the crop,
removing the hay to other portions of the of chard, removing the hay to other portions of the ofchard,
ecattering on the land and disking in to seed that portion, while enough seed is threshed out in the
handling to reseed the soil on which the crop grew Would you kindly let we know the cure or arevile tion of pea weevil?
Victoria Co., Ont.
Ans.-Put the peas as soon as threshed in a tight containing carbon bisulphide on top of the grain, and formed from diffusing with the surrounding air whe carbon bisulphide quickly vaporizes, and the ver mg heavier than air, settles through the peas, poison-
ing the bugs. Ing the bugs. A pound of the liquid should do 20
bushels of the peas. Lanterns or matches should not bushels of the peas. Lanterns or matches should not
be used when the gas is in the pranary, as it is very
$\qquad$
I have a field seeded with clover that is also badly
infested with English plantain. How should I treat
Middlesex Co., Ont.
Ans.-Cut the clover early,_and if spikes of the plantain are found, plow the land shallow and culti-
vate for wheat or spring crop. The weed has not a very had reputation, except in grass
cut for seed.
CEMENT FLOORS. Would be pleased to know what thickness cement
W. II W. Maine. U.S. A.
Ans.-For alleys two inches, cattle stable three Anches, and horse stablos four inches. Stable thire

## Can you ining for the track

 ing, feeding and driving any good book on train especially on training ? the race (harness) horst y in the pacer, and am anxious to get especia Wentworth Co., Ont thaining for a race. SPEED Ans.- "Ed. Geers' experience with trotters and your purpose of the best works we know of fo had through this office on receipt of the price $\$ 2.00$.For Subseribers are kindly requested to read the
conditions at the head of thas department before
writing or mailing their enouinies

## NOTES AND NEWS

## Forestry Association.

ing was held in Ottawa, March 5th and 6th. Beetwith a question which Canadians dealing, as it does, years, have needed to give but little concern, the assoof its meetings a large membership, nor were many and ever-increasing importy attended. The evident Association and the foresight of the work of the they show in planning and carrying out their which make it evident, however, that in a very few wearg it will be a very influential association. As was
pointed out by Prof. Goodwin, of Queen's our forest resources. Goodwin, of Queen's University, matnly because the people conctereciating in value, to the necessity of conserving the forest educated In Germany, on the contrary, the forests resources. and ang more valuable, due to intelligent handling Our future supply mediate action, and an organized is largely upon imwill most quickly satisfactorily arrange of forestry tions. It is expected that the courses soon condiOrganized in connection with Toronto and Queen's seminating on tuta good work in more widely discouraging feature of the forest wealth. An enthat is being manifested by leading lumbermen. to these that we must largely look for proction than any of Nelson, ther single influence. Mr. S. P. Stevenson, Manitoba." The Associntion Forestry Work in urging on the Government the need assed a resolution tion from forest fires, the exploration of unsettled cultural purde whether or not it was suitable for arr forest reserves : and that those unfit be declared the settlement of so, the undesirability of ellowing The following officers were
Minto ; Hon.-Pres., W. Little, Westa Hiram Robinson, Ottawa ; V. P., Aubrey White ors-Dr Commissioner of Crown Lands, Ont. Direct worth, J. R. Booth, C. J. Booth, J. Bertos. South
A. $\mathbb{R}$ ail Commission and a Transpor tation Commission.
10th it wes announ Throne, at Ottawa, on March duced this session providing a Railway Commission and also the appointion of commission to inquire into and report upon the da. It will will be a railway expert cantile interests also will each have anship and mee It is understood that Sir Willfan Var Horne will be the rallway expert, and that he will be chain the commission. The other two members will be me will have experience, knowledge and wisdom the public best means of providing suiry will be made as to the seaboard, and of promptly handing ation to the espectally grain, when they reach the Canadian termi als. The commission will doubtless report as to to be a point on the kiants which navigate for grain brought down will probably also give some attention to the question of whether the depth of the canals is sufficient destion the growing demands of the grain export trade. No
time will be lost in appointing the commission and That Big Beef Merger
Aladdin story of the great packing-house merger ity, speaking on the subject. Morgan. A high author . The government mildly estimates the clapital in$\$ 186,000,000$. The operating capital would be much larger.- The value of the sheep, alone, killed each year quire $\$ 2,000,000,000$ to contron estimate, it would rehe mere control. the United States. This would be opposition." No ; it's a little too big for even Mr

THE FARMER'S ADVOCATE

## I. E. Island

Oxford County
COUNTRY HORSE: TRADF There has been quite a lively trade in horses
this district. Many farmers have been (1) years, were getting up in years, say from 8 to have found it very difficult to buy again satisfac torily. Three-year-old colts of the right build have sold from $\$ 150$ up; parties who were looking for three-year-old colts say that at every farm they called at several parties had been there before them on the same errand. This plan of selling horses before they get to be 10 years of age, and buying or raising young ones, is perhaps the most profitable way for the farmer, but we often feel sorry to part with a team that suits us in every way; we get attached to them.
we keep them until they are 12 or 14 . they deteriorate very fast, in market value at least A great many mares were bred last season, and in course of time horses will not be quite so scarce. In

## 

had not been out for shad a mare in foal, and as she
for exercise. She jumped and played around the yard very lively for a time, and next morning a dead colt was lying behind her
in the stable. We turned our driver out in' the jumped around very lively and days of idleness; he day, and for several days. I believe unlimited exercin after several days' confinement is not rood, especially for a -young horse: far safer to hitch up and drive

## Vermin on cattle.

Several farmers have been troubled with lice on sene or insect powder is applied shortly after the cattle go into their winter quarters, there is not generally much
trouble, but when once they get bad with lice it is quite difficult to get rid of them. I prefer dry insect powder in cold weather, as the animals are very apt
to get cold after an application of any liquid preparato get cold after an application of any liquid prepara-
tion.
 cattle eating.
Cattle are doing very well this winter, there are so like, but roots are the "clear thing " for cattle to keep them healthy and hearty. Our cattle eat straw as greedily as they ordinarily would eat hay. of course, the straw is good and well saved. Our roots we:e what is here considered a great crop. I think notice from Bulletin No. 41 that the per acre, but I variety at the experiniental plot at Ottawa Lathian yield of nearly 54 tons. They must have been "whoppers." A farmer in Scotland, wishing to get the farmers on the market to understand what a 'took five turnips to make a cartload-one in it only ner and one in the center to keep the others from coring. But I further notice in the bulletin that this phenomenally large yield was obtained by sowing on the 12 th of May, while the plot sown on the 26 th of May only yielded a little over 34 tons, so that we
know the first sown would naturally be coarse woody, and ours, which were not sown until nearly the midule of June, were likely a much better quality than either of the Ottawa experimetal lots. Moral : and keep it stirred, but don't sow until about the mictle of June in our latitude.
odDS AND FNDS.
$\qquad$ firewood, and are spreading the manure on supply of
as it it is made. We have part of a day's threshing to do yet, and must get our harness washed and clean-
ed up and well oiled and repainet

## The Telephone Monopoly

Aware, the effort of the promoters of the Markham and arivicege of putting an instrument in the Locust Hill an afrement by which the C: P. Re had entered into


The Waters and Nockett Shorthorn Sale

The auction sale, on February 26th, of the herd John Sockett, of Rockwood, Ont., was quite success. ful and satisfactory to the sellers, the 21 females sold averaging \$115. The three young bulls catalogued huyers. A large company wand and cid not fiud auctioneer. Mr. Thos. Ingram, of Guent. The popular aucte in whe sule in a masterly manner, and was complimented on the sale list:

Claret, 3 years, and calf; E. B. Battye, Gore Bay. $\$ 200$ Circe, 3 years, and calf; Alex. Tupling, HoneyNell's Duchess 5th,
Cook, Marmora
Nell's Daisy, 2 years; Jas. A. Watson. Eden Mille......................... 145 Nell's Duchess, 5 years: Geo. Fraser, Minnedosa,

 Nell of Arkell 8th, 9 years, and calf ; Henry Arkell.

Frances, 2 years: Geo Fraser … ....................... 115 Alexandria, 2 years ; W'm. Parkinson, Eramosa... 105 Eertha's Pet, 2 years ; Wm. Parkinson................ 100 $\begin{array}{ll}\text { Elsie, } 2 & \text { years; Jas. Auld, Eden Mills................... } \\ \text { Victorine, } 2 \text { years ; Wm. Agnew....................... } & 90\end{array}$ Nell's Arkell 2nd,' 11 years; Geo. Armstnong.
Speedside

Vell's Daisy 3rd, 10 months: Geo. Anderson, Eden
Mills
Mills
Nell's Daisy 5 th, 10 months; Geo. Anderson........

## South Perth

Since last report, we have had a plentiful fall o now, which has lain on the ground fairly well, pro lecting the wheat and young clover. Up till this las February, and from these been remarkably mild for he outtook for the is quite promising This and year importance, as in mite fact, we think, is of no small wheat is still the stan stock-raising, nd upon the iges provich of the average farm.; feetilizers, depends vitimately the purchase artificia find of these green-manuring crops, clover still holds There is considerable depression among the ste Men, owing to the big slump in the price of fat cattle. was on last fall heavily at high prices, when the boom consequences. The prospects for butter the inevitable much better than for beef. but the and cheese arc of help on the farm is causing the turnover from dairying to stock-raising.
Our cheese factories have had a very succeasful season, and will doubtless be tronie competitors of the big creamery next summer. With cheese at 10 c . former, because they get a bigger lump of cash for the season's operations, and don't count that the cheese are much the worse off. In fact, we have seen on skim milk calves which looked as well as any fed t.red up " with flaxseed, oatmeal etc At the annual meeting of the South Perth Agr. meeting of was decided not to send delegates to the Toronto, as it was felt that the circuit fair idea would Spring Seed Sliow was held to the the fair. The Mary's, and was crowned with a fair measure of st. cess. It is a good idea, and, like other movements for the farmers' benefit, will no doubt yet movements The institutes were well attended this year, and at several places in the Riding, Women's Institutes were too early to anticipate. On the whole, prospects
are bright for agriculture during the coning

## A Grain Shocker

Prom Nebraska comes the report of a grain stooke he diocker attachment to a binder. It is claimed for tone hy hand. Several firms have investigated the Some offiers to the inventor. Its introduction will be
watched with interest by all

Foot-and-Mouth Disease
notice of Farmers' Institute work.
Hamilton, of Pennsylvania, has re
will soon enter upon his new dutles


## MARCH 16, 1903

## Messrs. Hartman's Shorthorn Sal

of the small but choice Shorthorn herd of Mu. Ma,
J. W. Hartman \& Sons, filmhedge, near Meaford County, Ontario. was very largely attended thy farmers
from the surrounding district and breeders sections of the Province. The cattle were nicely bred and in excellent condition. Capt. T. E. Robson Inderton, offciated as auctioneer in his usual happy satisfactory to the sellers, while the buyers value for their money. The highest price, $\$ 320$ go paid for Nonpareil 61st, a red three-year-old cow wit
calf at foot by Imp. Sterhen Fity calf at foot by Imp. Stephen Fitz Forrester. She bought by Mr. J. Bowes Sill, Richmond Hill, and was Smith, Exeter, took the red Iellie 1R., with calf at foot by the Watt-bred bull, May Duke, at \$275, and the red six-year-old Nosid Cow, Marjorie, by Imp. Blue Ribbon, with calf by he side, at $\$ 250$, and Mr. N. Dow, Tara, took Effel 2nd, frature of the sale was the good prices A pleasing the four sold making an average of close for bulls while the average for the whole herd was $\$ 170$, Th aged roan bull, Abbotsford, bred by Harry Smith, ooted prizewinner and breeder, now in his ten-year-oth fell to the bid of Mr. W. G Millson brought $\$ 225$, and The total of $\$ 4,270$ for 25 head ourht Goring, On indered very satisfactory
$\qquad$

Cows and Heifers.
Vellie K., 5 years; Harry Smith, Exeter
Filfel 2nd, 4 years ; N. Dow, Tara Centennial Isabella 66th, 2 years; W, Douglas t. Vincent Belle, 7 years; R. T. Clute, Toron.................................... R. D, Bowes, Eln hedge
erfection
Thornbury
Mina Lass 4th, 9 years; J. Lemon, Walter's
Isabella 67 th, 7 months ; H. Muxlow, Goring.......................................... rabel, 10 years, and calf ; D. Mills, Bay View. lara, 3 years; Thos, Bristow, Rob Roy Mina H. 5 years ; Roht. Batty, Meaford.
tawa ....................................................... Flora May, 2 years : W. Demon, Walter's Falls Minnie May 2nd, 1 years; A. W. Hough, Meaford Clara2nd, 11 months; J. Conn, Heathe
I, ady Richmond, 2 years; A. W. Hough Elmhedge Blossom, 4 years: W. G Millson

## Bulls

Abbotsford, 10 years; W. G. Millson Duke of Colonus, 1 year ; H. Heisie, Thornbury Royal Geonge, 1 year: H. Fulford, Thornbury.. 21 females sold for $\$ 3,640$, average $\$ 173.50$ 4 bulls sold for $\$ 630$, average $\$ 157.50$.
25 head sold for $\$ 1,270$, average $\$ 170.00$

## Canadian Horse Show.

Show additions to their 1903 prize list. The height of pairs 15 hands, horses will be 15 hands $2 \frac{1}{2}$ inches, instead of humter events two additional classes are added to the heavy and middie weights and a special class is added to the lightweights. The lady's hunter class will tre for livery team, delivery wagon special classes butcher's cart horse four-year-old Canadian-bred horse, or gelding suitable for riding or cavalry purposes, over 15) hands and under 15 hands 3 inches. Horse and unabout, mare or gelding, mare or gelding suitable tefore a torive, and team of horses to be show thacton. There will be no classes for Clydes or Spide his year, as the Spring Stallion Show catered to the Interests of the heavy horses. April 20th and l30th which will be held 2 nd are the dates fixed for the show

## Anandale Stock Sale.

## sule, on the E. D. Tillson estate, of the Anna

 before in Canada was so large a herd of dait offered in a single sale, the total number to and young stock, thirty-one of the number bueing d Holsteins. The longest price paid was $\$ 125$ son a milkment, for Annandale Queen.$7,616 \mathrm{lbs}$ milk in 10
cows and calves tending to pull the month The bidding on the grade cows was very brisk

[^6]THE FARMER'S ADVOCATE

Live Stock at St. Louis.

Pork Packing Troubles.
Shearer Coo., of has been made by the Campbellfor the winding up of the walmerston is $\$ 20, n 00$, Packing Co. The Bank of Hamilton also has a clain with an authorized corpany wasi incorporated in 1898 $\$ 75,000$ was subscribed, $\$ 57,000$ paid up in cash, and notes iven for $\$ 18,000$. $\$ 57,000$ paid up in cash, and

## Guelph Horse Show

## ganized, has decided Show Association, recently

 and 6 , with prizes amounting to $\$ 1,500$. The officer president. Mr Lockwood M.. Duif, Second Vice-President ; C. L. Nelles, Secre with a committee of prominent business men and horsemen.

## MARKETS

## Canadian Hogs in Buffalo

## Sir,-Our market is still taking Canadian hogs

 and will be in a position to take quite a good many for a long while to come. Hogs are scarce in this country, and are selling high. They sold here to-day up to $\$ 7.90$. In Chicago, the extreme top to-day is$\$ 7.60$, so you can see our market is in line with them. There is every prospect of a good trade in Canadian hogs for a long while to come.
East Buffalo, March 9th, 1903 . EIRICK BROS.

## Chicago Markets.

s5 Chicago, March 12.-Cattle-Good to prime steep, \$5 to $\$ 5.75$; poor to prime steers, $\$ 5$ to $\$ 5.75$ fteders, $\$ 2.75$ 10 $\$ 4.80$; cows, $\$ 1.40$ stockers and heifers, $\$ 2.25$ to $\$ 4.60$; canners, $\$ 1.50$ to $\$ 2.50$ steers, $\$ 4$ to $\$ 4.25$; culves, $\$ 3$ to $\$ 5.40$; Texas-fed $\$ 7.30$ to $\$ 7.65$ : $\$ 4.60$. Hogs-Mixed and butchers', $\$ 7.80$; rough heavy, $\$ 7.30$ to $\$ 7.60$; light, $\$ 6.90$ Good to choice wethers, $\$ 5$ to $\$ 5.75$ to $\$ 7.60$. SheepGood to choice wethers, $\$ 5$ to $\$ 5.75$; fair to choice,
mixed, $\$ 4.25$ to $\$ 5$; native lambs, $\$ 4.75$ to $\$ 7$.

## Buffialo Markets.

 common to good, $\$ 5.50$ to $\$ 8$. Hops, Heg. Heavy and higs, $\$ 7.70$ to $\$ 80$. Yorkers, $\$ 7.85$ to $\$ 7.90$, Pitigs, 87.70 to $\$ 7.80 ;$ roughs, $\$ 7$ to $\$ 7.25$; stags
$\$ 5.50$ to $\$ 6$. Sheep and lambs-Western tol lambs $\$ 7$ to $\$ 7.35 ;$ natives, $\$ 7.25$ to $\$ 7.40 ;$ culls to
moon, $\$ 5.25$ to $\$ 7$; yearlings, $\$ 6$ to $\$ 1 ; \%$; ewes,

## Montreal Markets



Now that finer expecting to see things brichten up and cattle mor o have ery istere Lenten season seem Export Cattle No
shipping space onering vor export cattle, no wanted. Choice oflering.
rice naid tor at $S_{4.40}$ per cwt bes Export cattle ; medium export cattle $\$ 3$ extra choic Butchers' Cottle - A utchers' cattle for of this city was never so good. Best butcher cattle, $\$ 3.50$ to $\$ 4.40$. export, not so heavy, sold at fron Medium, $\$ 3.00$ to $\$ 3.7 \overline{5}$; canners, $\$ 2.60$

Bulls.-Very few on offer. A load of fairly good export bulls sold at $\$ 4.00$; light bulls $\$ 3.00$ to
$\$ 3.50$. $\$ 3.50$. heep feeders, at from $\$ 4.00$ to $\$ 4.15$, average shor Hos.; medium light-weight feeders, at from $\$ 3.60$ to Stoclers.-Not many on offer ; no denvand from Buffalo ; are quoted at from $\$ 3.25$ to $\$ 3.40$; of
colors of poor quality Sheep.-The run of sheep rather light. The trate fairly brisk on all offered, at unchanged prices. best
 Lambs-A cwe
Lambs.-A few spring lambs on offer, which met of spring lambs, reared by Mr. I. Skeen, Port Credit Milch Cows.--Not many on ofer. All milch cow of good quality readily sell at from $\$ 35.00$ to $\$ 55.0$ Calies sold at from $\$ 3.00$ to $\$ 10$.00 Hogs. $\$ 4.50$ wing $\$ 6.00$ per cwt .
from $\$ 6.10$ to $\$ 6.35$.ight supplies, the price advance week. To fetch and not above 200 lbs., live wey must scale 160 lbs watered. Drovers report a scarcity of hogs ready and morket in the western districts, while the easter有hern districts predict a greater supply tha

 PRODUCE MARKET.
Wheat.-Red and white are worth 70 c . per bushe middle freights: goose, 67c.; No. 1 hard Manitoba
87 tac. ; No. 1 northern, 86 c . 2 c . to 73 c . per bushel: red at 72 Lc . rom 67 c . to 68 c . Barley.-No. 3 extra for export, 4 Gc . per bushel orato, at from 41c. 51c. ronto at from 36 No. 2 north and 33 c . Bran.-City mills sell bran per bushel. horts at \$18, car lots, f. o b. T16 to $\$ 17$ per ton Hay.-The quality of hay ols offer is bad, and ices are away down, from $\$ 3.00$ to $\$ 15.00$ per torn.
 Dressed Hous
Sht at $\$ 8.50$ per cwt. ; heavy hows $\$ 8.25$. He \$6.50 per cwt. Ftc. per lb.: hides 7c perc. per lb. ; No. 2 steers per lb.: sheep skins, each, 80 c . to $\$ 1.00$; wool Butce, 16 c . per lb .; wool, unwashed, 9 kc . per lb .
Butiveries ware 1b. for choice gilt-edge farmers' from 20 c . to 25 c Eggs.- Deliveries were large at
dozen for choice new-laid ergs

Pag from farmers' wagons. from $\$ 1.00$ to $\$ 1.10$ per $\$ 1.00$ per bag; in gaod supply in car lots, at about Apples.-There is a foōd demand for choice dessert arples. Greerings are quoted at $\$ 125$ per tarrel,
and $S$ gites at $\$ 2.00$, for choice, unspotted fruit: 10 laads on offer

British Cattle Markets.
$\qquad$



Be sure that Luck
Is only Pluck
To do things
Courage and Skil
Patience and Will,
$\qquad$

Mission of a Mrs
The postmaster smiled a little when he passed ou
the mail, but Luther Wilkins did not notice. He wat trying to remember whether it was a yeast cake or a After he got home and had eaten his supper he to the table and sat down to examine it. There was the weekly county paper, a popular Journal, an agricul" Well, now." said Luther, a letter
wonder who's been writing to me. I don't up, "I He had a letter. He looked et
then further off.

The In. "Milkins. And I Wikins," he said. "' Mrs. Luther much as hardly thought of getting married! Mrs. Luther Wikins : why, where is she, and who is Mrs " Well, I guess I'll see what's in ft." He inserted he point of his knife under the corner of the envelope ". What business have
asked hlmself. "I never did open her letters ?' letters, end I guess I won't begin now." $\begin{gathered}\text { He folks } \\ \text { He to }\end{gathered}$ this feet, and, carrying it to the mantelpiece, leaned it against the clock.
Hie settled hime
Mrs. Luther Wilkins kept in his papers, but thoughts of reading ebout patent nest-boxes on what he was and the news of the village. Thereafter, during all Luther Wilkins was often in his waking hours, Mrs. haunted his dreams at times. He wondered what she was like, and he thought of the kind of woman he in imagining how it would seem to have her meet him at the door when he calce in from the fields, and how nice it would be not to have to get his own meals. He worked doggedly, trying hard not to think of the disquieting subject. It was no use, and toward colming very neighborly. He spent his evenings at
different neighbors: houses. He tea, he went to church regularly accepted invitations to sohool picnics. And still he could not find a suitable It was the letter
It was one cold, raw day in early November that mending a very ragged pair of socks. Happening to glance across the road, he saw acks. Happening to Hammonds' yard. She was busy raking up the fallen
autumn leaves. auturnn leaves
" Letilia
Hamroond's sister. We don't see much of her ". Bill She don't even go to church, there's so many of Bill's
So children to look after, and Bill's wife is so took up
with her clubs and things. It's hard on Leftitia. but with her clubs and things. It's hard on Letitia, but
she never finds a word of fault."
The sock he was mending fell on the floor, and the The sock he wus mending fell on the floor, and the
wooden egg inside it struck with such a loud bang
that the cat starled in his theop that the cat started in his sleep. Luther did not
notice. He was standing at the window staring ont.
" That is the best which lieth nearest." he catl "That is the best which lieth
solemnly. " Whist a fool I've bee
He found his hat and luft tha. He found his
ning across the ning across the ri
from Letitia gantly
little thing like yo

## Letitla's blue eye, find

## ." You'd better go into

it would make her reel better, and it gave me a chance
to see her, too."
He found that it was an easy matter to invent
Hcuses tor seeing her, and finally some time in the excuses or seing her, and finally some time in the
winter, he asked her, in fear and trembling, if she would
 was given to its rightiul owner
."Why, it's nothing but an advertisement of some new preparation it
opened it.
"Let'sh, keep itt," said Luther, softly. ./ If it "Let's. keep itt," said Luther, softly.
hadn't been for that ."
" Yes, well keep it," said Letitia, blushing.

## Power of a Sweet Voice.

There is no one thing that love so much needs as a sweet voice to tell what it means and feels,
and it is hard to get and keep it in the righ tone. One must start in youth, and be on the watch night and day, at work and at play, to get and keep a voice chat shall speak at all times time when a sharp voice is most apt to be the quired. Watch your voice day by day as a pearl of great price, for it will be worth more to you in the days to come than the best pearl hid in
the sea. A kind voice is a joy, like a lark's song the sea. A kind voice is a joy, like a lark's song
to a hearth and home. It is to the heart what light is to the eye. It is a light that sings as well as shines. Train it to sweet tones now and it will keep in tune through life.

There is no saying to what perfection of suc-
ess a man may come who begins with what cess a man may come who begins with what he
can do, and uses the means at his hand makes a vortex of action, however slight, towards which all the means instantly begin to gravitate Let a man but lay hold of something - anythingand he is on the high road to success, though it

To be sensitive is to be lovable ; but to carr sensitiveness into self-consciousness is to be very The one safeguard against such a nature is to look out, and not in: To think what we may be able to do for other people, not what they might
do for us-that is the keynote of What we think, or what we know, or what believe, is in the end of little consequence. The only thing of consequence is what we do. Th If, then, you would wish to live in the true sense of the term, cultivate the mind, give vent
to the purest affections and pen not every thought and desire in seeff, and more for the good of your fellow-creatures; and in seeking their happiness you will promote your If you wish to be miserable, you must think about yourself, about what you want, what you
like, what respect people ought io you; what people think about you : and then to you nothing will be pure. You will spoil everything you touch; you will make sin and misery for yourself out of everything which God sends you. You will be as wretched as
choose.-Kingsley.

It doesn't amount to much to always promise
and never perform. Nothing ever attains confidence in this world excepting what is attended byhonesty and truth
Finish every day and be done with it. You absurdities no doubt crept in fome blunders and absurdities no doubt crept in ; forget them as
soon as you can. To-morrow is a new day be gin it well and serenely, and with too high a spirit to be cumbered with your old nonsense. This day is all that is good and fair. It is too dear, with its hopes and invitations,

Bad luck is not apt to pursue long the man
ho is going in the right direction.

## Humoroas

A man left his umbrella in the stand in a hotel
aceently with a card bearing the following inscription
attached to a

## THE QUIET HOUR

## Counting the Cost

When God is to be served, the cost we weigh In anxious balance, grudging the expense.
The world may use profuse magnificence. A thousand lamps from gil ted monf may sway Where its poor votaries turn the night to day, And who will blame? But if two
Apart before some solitary shrine, Apart before some solitary shrine, Why was this waste? Indignantly men say. To God, releasing him from dismal fears bring What cost him nothing for an offering Unlike to hers, commended while she shed Of that true nard which grows in spiky ears

There is in this age a great tendency to make aristianity as easy as possible. Just as we are bribed to buy tea or baking powder by the prize. ofered, so the young especially are enticed to join this congregation or that for the entertainment the easily of course, when the novelty wears off is such discipleship worth at any time? Will it stand any strain? It was easy to win the ap plause of the crowd, the multitudes wore cap induced to follow Christ on Talm Sundey whe His cause was popular and pleasant bor crowds were just as ready to shout "Crucify the few days later, when His cause had become popular. Let us see the attraction the Maste Himself holds out to those who would follow went with them He turned when great multitudes "If any man come to Me, and haid unto them : and mother, and wife, and children, and brethren and sisters, yea, and his own life also, he cannot be My disciple. And whosoever doth not bear ciple " ${ }^{\text {chass }}$, and come after Me, cannot be My diswe must count the cost before two parables, that service. It is not only in times of persecution that we must face the necessity of being called to give up all for our King; only those who hold hand res and anl that they have in an open it, can possibly be said everything if He requires tions He requires of a true disciple hard condimay be taken for the deed, as in the case of Abraham: For "was not Abraham our father son an easy thing to follow Him no one think it is declared: "Whosoever he thm who has solemnly eth not all that he hath, he cannot be My dis Now comes the strange fact that it is the very tive. If the Son sef that makes it so attrac lived here a life of luxury and ease, departing gloriously in a chariot of fire, He would never have won the admiration of the world.
Dim Did refused to offer to God that which cost which costs us nothing is a very that a religion It is not really attractive, for worthess thing for a game if he can win it without effort. Why do so many boys wish to be soldiers? It is not the desire to kill, but rather the enthusiasm of and glorious thing makes them think it a grand the word of command, forward, in obedience to death." We don't really want to slide easily and comfortably through life ; in theory at least w bv allife attracted by heroic self-sacrifice more than of a train was once taking lury. The conductor church. When a man failed to put anything in the plate he reached up absent-mindedly for the bell cord, and said: "I will put you off this is not if you do not pay your fare." of course it the plate, but let no one think he cantribution on way" to heaven. God does not need our sacifices, but from the earliest days $H e$ has require times refuses is well to remember that He somevery beginning of man's history it wis In the the Lord had respect unto Abel and to his offer respect. "Don't let us be satisfied withad not away only the things we have no use for ; don't then give to God a little of what is left. He requires the "first"" fruits, and if we present only
the "last" fruits of our lives, our money or anything else we have to give, is it likely that He
will accept our offerings? A voung man once said to a college friend : "If A fail in my exam I shall probally go into the church, as we have a
living in family." His friend answered, shortly. "That seems rather like giving the refuse to the Almighty, doesn't it?"' The words struck

MARCH 16, 1903
soul, to his Master's service among the ero The Israelites houses. fices must be without blemish that their sacri bidden to bring anything "blind, they were for maimed." The prophet says : "If ye offer or blind for sacrifice, is it not evil? And if ve the the lame and the sick, is it not evil? Offer it now or accept thy person? saith the Lord with thee Don't we Christians often feel pord of hosts.' to offer worthless sacrifices? It might be well for us to cultivate the spirit of the mittle birl who kept atl her brightest coins for church and S . S pers until they shone, singing all the time, "The brightest for Jesus." singing all the time, "The We must count
Christ's service, lest, as He says, we begin choosing are not able to finish; but we are forbidden to We must not count actually offering our gifts. Christ has said : "Let not of our offerings, for what thy right hand doeth." It was not Mnow who explained that the ointment she poured out so gladly in her Master's honor might have been sley's sad irony may three hundred pence. King-gifts-don't let it be applicable in the true of our

I was not good enough for man

## "Thursday."

The way to thoroughly enjoy your dinner, we are told, is to have earned it yourself. Probably these worthy monks will find the fish which is to be their Friday's fare twice as toothsome because they all went a-fishing on Thursday. That they are enjoying their outing can be plainly seen by a study of their several faces; and why should they not? The artist has brought out delicate shades of character, and has fittingly grouped them. The four kindred spirits watch with keen interest the landing of his prey by the jolly old monk in the foreground; the monk who, having jar of bait; the studious monk, placidly by the feet, and the monk behind him baiting his his out catching no fish; with the monk to the left, with chair tilted backwards, taking his ease without disguise has each a place in the typical picwork and healthful play will assuredly Thursday too good an appetite for a fitting fast on Friday
H. A. B.

THE FARMER'S ADVOCATE


My dear Guests,
The three best sets of Canadian Memory Gems Ont.; Miss Marion Lewis, West Flamboro Ormond and Miss Mary Ker, Fenwiak, Ont., to whom the Only eleven competity awarded in order of names. three of these did Canadian writers, and, therefore selection to judged. The contributors, other than not be winners, were: Janet $\mathbf{E}$. Waterman, Elsie Arnold, M. Adelle Kyle, Alberta Bastedo, Maggie Juttle Jessie McIntyre, Myrtle Bailey and Sadie
[Note from Editor.-Many of our most Canadian writers were entirely of our most noted contest, but, in spite of this, the quotations sent in were of great literary excellence. Among the authors chosen were : Roberts, Ralph Connior, G Sangster, Morton, Brown, Edward IBlake, Chas. Faton, Duncan C. Scott, Annie Jack, Stafiord, and Ethelwyn Wetherald. that we have dexidects sent were of such length time. The prizewinners will publish them this promptly, and the editor of the Home Department thanks the many kind of acknowledging with of these prizes, which are, indeed, well worth striving for.]
A. B.-I hope you will no longer be "a stranger to the Ingle Nook." Did not your name ap-"Jewess."-I have lived all old puzzle days? and my occupation has always been that a farm, orthodox farmer's daughter. I have often visited in towns and cities, but much prefer country life.
but one-that was from an admirer four years
Jessie McI.-Your letter was quite interestin I should like to visit your Prairie Province. will hot be too discourared to successful this time something new for next time try again. We have OUR COMPETITIONS.
Not all of our readers care for essays or mem ory gems, but the majority of them like some o the ataste of the greator numper we will cate a chance to test your alphabet? Here, then, is ing puzzle certain letters are used phonetically to represent certain words, and three prizes wil of answers to the most correct and neatest set ple: What two letters name a well-known plant r, I V (Ivy).

1. What two letters mean to adorn?
2. What two signify mean one who hates?
3. What two mean to surpass ?
4. What two signify an attempt ?
5. What four mean higher worn ont ?
6. What three are excited by malice?
7. What two are an ornamental molding
8. What two signiry frigid?
9. What two describe this puzzle
10. What three make a moapon?
11. What three signify vigornful poem?
12. What two mean to coop u'p operation?
13. What two are a transgression of due limits?
14. What three beget wrown with rushes ?
15. What two mean malignity ?
16. What three name a book of the Old Tes soun certain allowed in sounding some of the letters, but all are clearly ceiived until May 10th ham, to the address given below. This is a very simple contest, and I look for a large number of THE THE HOSTESS Ingle Nook Chats, Pakenham, O
marked "Thar bein" nothin' to cultivate in the city. ${ }^{\text {n }}$, re marked the farmer, " of course you folks don't have no harvestinn"-time."
home was reptled the summer boarder whose city home was next door to a conservatory of music,
"there are volces to be cultivated, and then we have
a harrowing time."

"thursiday."

A Wise Adviser.
Moth Is Mrs. Girahame coming small, "I believe that she is coming here, and the foor isn't clean. am sure 1 never dreamed of any visitor coming to-
day, and just look at my dress ! I am afraid Mrs. Grahame will talk
"Dismiss your fears, Nettie," said her mother talks, at least hooking), "Mrs. Grahame never Nettie, Mrs. Grahame is a good, conscientious woman, a wise counsellor and a faithful friend. There is no deceit about her. if more women
were tike her in this respect, there would be far less ill-feeling and unhappiness in the world." Nettie ran upstairs to dress. The door-bel!
rang, and Mrs. Small warmly welcomed her visrang, and Mrs. Small warml welcomed her vis-
itor: and take off your wraps. $\begin{aligned} & \text { Come ing oom, Mrs. Grahame, } \\ & \text { You can stay the after }\end{aligned}$ noon, can't you ?"
"No, Mrs. Small, only a little while, for Maud has gone to visit a friend. Oh, you are busy
hooking. That is why we haven't seon you fors long a time. Nearly all the women in the settle-
lone sent have caught the booking ment have caught the hooking fever. IIt is very
prevalent during the months of February and March. I am glad that I am not susceptible to the disease," " said Mrs. Small, "don't you believe
in hooking mats ?", "No, I don't. I used to, but I have grown
wiser (though some people might term it lazier). wiser (though some people might term it lazier).
But I learned a lesson when I hooked the last mat, which I shall never forget. I was hooking
all alone for housework, for Maud was kept quite busy doing the
attending the poultry, etc., and hadn't time to help me. It was a large mat, micely stamped, and I was very proud of it. I
was anxious to get it finished up early worked very hard. get it finished up early, so I
wometimes I was so tired that I could scarcely, walk, but 1 kept on tintil one morning I couldn't get out of bed. The doctor was sent for, who pronounced the disease
nervous prostration, caused of outdoor exercise. caused by overwork and lack
I was
or laid up for several of oustaor exercise. I was laid up for several
weeks, and I I, vowed that I would never hook
unothe, another mat." ". Mrs. Grahame, I am not surprised
" Really,
that you don't believe in hooking, arter such that you don't believe in hooking, not surprised such a
trying experience trying experience. It is certainly hard wort
especially when one is hurrying up to finish. feel very tired when niththt comes,"
 still persist in breaking down their hany women starving their minds, merely for the sake of having some rag mats to put on the floor. They talk comes in. Half-worn garments are cut economy comes in. Hall-worn garments are cut up, that
with a little mending would last for months, and 1 have known women who actually bought new material to finish up their mats. Worn-out rags
are almost useless are almost useless, for they are hard to hook, and
the mats won't last way to make a strong durable mat is is. The cuttings from the tailorp,",
"But they are expensive, aren't they. Mrs "But they are expensive, aren't they, Mrs.
Grahame?",
"Yes, rather, but homemade mats are expensive articles anyway. Just figure up the worth
of the material used spent, which should be better employed ers' wives and daughters have no time to hook is neglected,' or they suffer from the effects of
overwork,
 rather read the papers and magazines." practical literature. But where is she this aftel ". She is upstairs, Mrs, Grahame, and
shouldn't wonder if she is Shouldn't wonder if she is reanding the Advo-
cate.' She often forgets all about her worl when she is reading an internating anticle. Werk just received the 'Advocate' this morning, and
James and the boys all waint to read it the minnat "Just like our folls, for all the world. There is a general rush for it. We sulscrible for four
other magazines, but it is It contains so much profitatle and inslructice information, it is truly a crovit to the pullishers
My boys laugh when they sec in mendiule thic cultural columns
"Why, Mrs, Grahame, dn, ", "ants when
call the men's departmicont ", Home Depart ment and
don't bother readine il

It is the women's busine
good practical literature. We
the children to read agricultural
hovs take far more interest in
have taken the "Farmer's Advocite
sider it the best magazine published

Isn't the Christmas nu of and prize highly?
Such a handsome cover, beautiful delighted with it. so many instructive, well-written articles."
"Now, Mrs. Small, take a friend's advice. Hook less, Mrs. Small, take a friend's advice. with plenty of good literature, but don't allow mat all day long, $\cdot$ but go but for an hour or two every day, to enjoy the fresh air and sunshine. I know that we should be industrious, but we should not work too hard. We should always arrange day for rest, reading, and recreation. Heve pays to violate the laws of nature. We should never forget that prevention is better than cure.
But I must start for home at once ; come and see But I must start for home at once ; come and sce
us soon. Good-bye." can't Thank you for your advice; I am sorry yo can't stay for tea. Gond-bye, Mrs. Grahame."
(MRS.) ANNIE RODD Charloltetown, P. E. Tsland.

## THE CHILDREN'S CORNER

## Growing Up.

We often hear it said that there are no children nowadays; the little ones are so clever (or
think they are), and learn such a things at school, that they seem quite grown-up long before they get into their teens. Now, it is not very wise to grow up too fast. Perhaps you marly in the morning are people who get up tod noon and stupid all the afternoon i, the fore that people who live on a farm will be shocked by that saying, but whether it is true or not on certainly true that the children who insist on growing up too soon, and who look down on
their elders, are conceited all the foren life. They are pretty sure to be stupid all the afternoon of life too,for as they feel sure they know leare than anyone else, they soon give up trying to Sometrecoming like a stagnant pool of water. be ashamed of themselves, as the snowdron to when it found out what a mistake it had made in pushing itself forward in too great a hurry.

One day in spring, a snowdrop woke,
Far down beneath the snow.
And said, 'I mean to sleep no tnore.
And want to stir and grow.
I want to leave the cradle-bed,
I will, I will grow up, it said.
' You must not go,' the tulips cried.
It so not time, the ground is
So nestle down and sleep.'
No, no,' it answered, quite ill-bred,
So up it crept, and soon its head
Peeped forth above the ground.
The air was chill, and drifts of snow
But T melting all around.
I will, I will grow up. ${ }^{\text {. }}$ to bed,
And so it upward pushed its_leaves,
And soon a flower-bud whe frost:
And by the storm was tossed.
"Tis time iny pretty flowers . wo
In April days so soft find warm,
Making their flowers were seen
Making their way in thrifty
Of deepest, emerald green.
No storm winds now; warm sun, in
Who there they saw the snowdrop stand,
Who would grow up too fast ;
Were tatlered by the blost
And all ashamed it hung its head,
And wished that it were down in b
It is very foolish to look down on other peowork. Ore they show signs of age and hard
wo a kettle started to lake "I shombe someerpan was old and chipped. (1) "In env: "ane the Kettle mockingly,
 soon, answercd the saucepan. - ou should not -ourself some day " Be as bright and shining as the kettle by all means, but don't sing your own praises or look down on your elders. You would admire a soldier who came back from Africa wounded and
shabby, far more than one who was gaily off to the war, without a scratch starting self or a spot on his uniform. But you will himme a worse "old bore" than the Saucepan, if I preach too much when you are wild to get out of

Hurrah! Hurrah ! it's marble time
And every boy who's got a dime
Or nickel somewhere stored away,
Will, after school, be out
What if the wind blows chill?
And there are corners in the sun ?
Now bring your " allies" bright, and bring
Your bag of ". mibs "" and make a ring.
There's not a feller'll care a
But if you "hunch"" no boy in
Will play, and you must " knuckle down.
Oh, don't I wish that I might go
Upon the trees like fruit, and pull
Them off, and fill my pockets full
Though I can't find that country, I't
Just jolly glad it's marble time.,
COUSIN DOROTHY

## Domestic Economy.

FOR "SQUEAKY" SHOES
To prevent shoes and boots squeaking, put a pers and sole round the shoe between the upTHE EMERGENCY CABINE
Every household should endeavor to have an nished and promptly rephished, carefully fur begin to lower. In it should be tept enzineaning fluid, turpentine, casoline or lime, ammonia, absorbepared chalk, chloride of thousand and, absorbent paper, alcohol, and the are indispensable whengs why if not used dail. QUICK RELIEF FOR SLTGHT BURNS
or the immediate application to a burn or scald, perhaps there is nothing more efficacious ion simple four. It should be apolied imme face, the part being wrap over the affected sur wool, kept in peing wrapped arterward in cotton linen. If the burn or a bandage or strips of old ficial, this remedy will be found most excellent but where the deeper tissues are involved, othei emedies are to be recommended in preference.

A NEW VARIETY OF APPLE FRITTER.
An attractive and timely dish is apple fritters Magazine gives the following Select seven or eight apples th will cook quickly (mellow Greenings are good for this purpose). Cut out the stems together with a round Cut out the blossom clean out the core carefully. enough to meet the cavity in the not cut deep he apples, fill the centers with marmalade Pare the corresponding pieces of apple with stem aidhering into fritter batter and press them into lace. Dip the apples in fritter batter, covering equire six or and fry in deep fat. They will dust with powdered sugar.

## Hygienic Chat.

mo clothes Roth so dangeron hearth as should be thoroughly aired before under garments nev garment should have particular attention paid to it in this respect. Stockings, vests and from the shop shop for months probably for have been in a ost liable to be domp wen garments have become wet while being possible wearer should discard them as soon as Wet clothes should be dried slowly. To put and other a hot fire is to ruin them. Cloth ockle, and boots and shoes contract and become dried. Always chang soiled and useless if quickly may be convenient. When it shoes as soon as off change, bodily exercise should be taken to ward erson be ver. These will not arise (unless the cpt in motion, but if the wearer remains still or natism and other evils will most probably fheu

## лаксн 16, 1903

Something About Devonshire

## There is an old house with its thre

 row windows, one above the other, at thyiunction of the narrow still narrower Qucen street leading down to the harbor, where it is believed that Keats, al-
ready in bad health and needinm a warmclimal spent a winter and spring, putting the finishins, touches to his "Endymion"," revising its proois as
they came to him from the they came to him from the London printers, ann
writing his "author's preface," which loars thin inscription "Teignmouth, Apriil 10th, 1818," It
is evident that Keats could sonntw, from the clouds and enioy some of the foon things of this life, for atter speaking of the beauty form :

Here all the summer I could stay
or there's Bishop's Teign, and King's Teign, Where close by the stream
You may have your crearn
What Devonshire man, woman or child does not, at all events, know of Coombe Cellars, with its
cockles, cream and skittles, which for over o cockles, cream and skittles, which for over a cen-
tury has been the picturesque yoal of many-water-picnic up the Teign? The old thatch has been replaced by tiles of a more modern date, but old characteristics, its foundations nearly all its the balcony upon which visitors love to linger to view the summer sunsets before they reluctantly leave the enchanted spot. They have enjoyed during the afternoon hours the distant views of against the sky, below them the undulating hills meadow-clad, that lie beyond Newton " have discussed with one another the accuracy of Baring Gould's description of Coombe Cellars, "Kitty Alone." They have heard of his novel, smuggling legends which adhere to Coombe celd lars, although it is doubtful whether the guilty spots were not rather the old salt factories near going down of the gun on, for a sight of the from the river bank at Coombe Cellars sument the extra effort required at the oar if the tide and time limit has been somewhat overstepped to the are an easy passage of their little craft under between Shaldon and Teignmouth spans the Teign For Shaldon T have a very offt spot in heart, and a prowl aroumd its queer little tangle of streets bet ween the water side and the main street and the climb upwards to the Torquay Road, has lands me almost in front of the house where lodged more than once in the old days. It is evidently in private hands now, and I am not daring enough to ask for a peep inside, but I have with those who have all passed a usay before me me and I have seen the spot where a slow-roing old tortoise used to drag itself and its house up and lown the pebble pathway, snapping at the passing insects until the winter coming, with its warn ow underground and not rappear it would bur time. "Yes, ma'am, I've heard tell that spring ised to be a tortoise in the garden, but that was long hefore our time." as I might have known 1thout the asking. I was glad to see that the old, its posts being formed of the enormous as of if a whale, and. as it were, in defiant attitude. estifying to the fact that in life the creatura had had the opportunity. Starting from Shaldon as a center, there are many lovely walks to villages around, most of them with an old church manorhouse, or some old-time record, to make their names, in the hope that they may strik, whose hands our Hone Magazine may fall. They will know that to reach them one's way generally
passes through the winding, high-banked lanes, at asses through the winding, high-banked lanes, imes a trifle narrow, if the pedestrian is headed ronshire is so celebrated ay Road, there are gaps in the hedges and sev seateways, where from an elevation as high as Xiss, and on either side of it, there are lovel,
ps at the sea, but if you want to climb up to at the sea. but if you want to climb up to
zy Dee," through a lane most uncompromissteep, leading youl to Stoke-in-Teign-Head hac thrn off to vour right. A kind land oll may rest yourself, and while voll ie pedestal of a sundial facing you. The

THE FARMER'S ADVOCATE

| YOUTH."Mark well the hour of need.The too fleeting shadow, tells,And, reader, ne'er commit a diedOn which a shadorw dwells."AGF. |  |
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Beautiful Land of Nod.
Your head, like the goldenrod,
And we will go sailing away from here
To the beautiful Land of Nod.
Away from life's hurry and flurry and
A way from earth's shadow and gloom
Where roses are always in be'll float of together,
Just shut up your eyes and fold your hands,
And we will go sailing to those fose
That never an atlas shows.
On the north and the west they are bounded by rest. On the south and the east by dreams:
'Tis the country ideal where nothing is real. But everything only seems

Just drop down the curtains of your dear ejes. And we will sail out under starlit skies
Down the River of Sleen fairies dwell.
Till it reaches the mystic isle, And there we will peause awhile.
will croon you a song as we float alon
Then, ho ! for that fair land, we're of
land,
$\qquad$
" What can I do for my little boy," asked mamnin. so that he won't want to eat hetwean, meals?".
Have the meals ficker together." replied the young

On Women in Canada Mollie has been "off duty" for awhile, and he friends across the big herring-pond may think her
is getting lazy. Perhaps she has no better reate to offer, but she Perhaps she has no better reason small allowance of space in the Home Magazine in making mere excuses. Winat sho wants to tell you about now, is the high tribule of praise and ing held under the auspices of the Colonial sec tion of the Society of Arts on Tuesday last, the
10th February. Lady Aberdeen cead a paper on the Women of Cunalato was a very large attendance, and amonest, ther adience were several well-known Canadians and ur sister Colosies Great Britain itself and he discussion which few of whom took part in Lady Aberdeen, who was cordially
aid there were few countries whose past history nd whose present development were so closely ada. The carly influence of its women as Can after it was settled by white races were Canada in all its Provinces by the cherished traditions of traditions whage and devotion of heroic women descendants worthy remained the inspiration of not be too much said about the tere could tractions, and the rich promise of life in Canada but its present position has been won by the unemitting toil of its pioneer settlers, and none young mothers, who share of that toil than the and brought up in comfortable homes, had ater wards passed through all the vicissitudes of rearing young families far away on the great lone tains. She could depths of the forests and mounsion made upon her by very close intercourse and friendship with Canadian women for several year official and unofficial, by one word which was Canadian, or Manitobeday-efficiency. FrenchColumbian, or the women of Ontorian, British all alike hall-marked by this stamp. society, watch them at their sports, examine their philanthropic or missionary work, or obwould find, as a general rule capacity, and they erywhere.
Atter telling the stories of the foumeen-vea Madeline de Vercheres, who, with her little fended the Fort if Verce, and two soldiers, defor a week; of the Lady de la Tours' her husband's castle in Acadia arainst hence of in 1812 his absence ; of the heroic Laura Secord alone and whe travelled on foot for twenty miles, country full of hostile Indians, through a wild mander of a secret plan of attack of the Comhad heard accidentalls, thus saving, not only the brilliant soldiers, but enabling them to secure other band of heroic womentant victory ; of that bands and children sacrificed their all toir huscountry in the days of the American Revolution ather than relinquish their allegiance to the fla

parts of Canada, and more recently, in those wo
derrui Western Provinces of the great Dowiniop
 When her as wives of of tupars, the nev country
lumbermen, or Hudsonst Ravy lumbermen, or Hudson's Bay hunters, or miners.
These stories had their climax in the following. Thhese stories had their climax in the following
which, having ocurred within her own personal experience, and being a typical illustration of the "All-round capacity" of the omentron ot the Canada of to-day, not oniy aroused peculiar int terest in
her hearess, but appearces in several on the thaly her hearers. but appeared in several of the daily
papers on the tollowing morning. It ran thus:
The were making a iourney across the Dominion they one night at a house tresmarkable even among Canadian homes for its charm and beauty, pre-
sided over by onn sided oyer by one of the most attractive of pis-
tresses."
They were waited
 training. ".oh." said the tady. .I you think Jane did well-I should like you to toll came,", said Lady $A$ bertdeen, when that should tenty cover but Jane, Arrayed in evennng dress dis proving to be the daughter of the house, who, in
consenuence consequence of the unexpected departure of the
servant, had had not only to servant, had had not only to wait at able, but
to cook the meal, with the assistance mother. Thus, she said, do Canadian women learn casilly and graceefuly to combine the domes
 time, dressing charmingly, taking their place in
society, particinating in
 ness."
Lady Aberdeen's last, words were: "I trust that what I have said has left the impression land of sunshine and of promise, and that of that who are seeking a new home will find no better country, nor one where they will have fuller scope for the exercise of all their abilities.
Courtney, after a tribute to Hon Leonard H , played by both the French and Scotch element in the "great and magnificent whole," said "women were asserting their place and making their place whole of the Dominion. society throughout the the great co-operators in bringing they looked as development of the Canada of the future." Sir John Cockburn, of South Australia, i
thanking Lady Aberdeen for her beautiful wor thanking Lady Aberdeen for her beautiful word eulogistically and as of a sister Colony, spoke Colonial women were capable, and Mr. Preston Emigration Commissioner for our Dominion, went still further and claimed for our country that it held within its vast boundaries the very "highest
type of womanhood," an assertion which he forth we must all do our best to deserve henceThe only other lady speaker was Mrs. Boomer, of London, Ont., as representing the National Council of Women of Canada, to which frequent and most appreciative allusion had been
made in connection with its broad scone of anthropy generally, but more especially with the Victorian Order of Nurses, the several hospitals
built under its auspices, and the establishment of therature amonest the coveral distribution of of the Dominion. Mrs. Boomer was allowed five minutes over the regulation ten, in which she was enabled not only to confirm all that had been already said from her own experience and knowl-
edge, but to offer a few added facts to the recorl of women's work in Canada within and without the ranks of its National Council of Women Perhaps some of her words of testimony may of-

## The Sphinx's Riddle.

ing, two at noon, and thrce in the in the morn How many, of the young readers of the "Farm-
er's Advocate" can answer that puzzle? Do you know the story of the Sphinx and her riddle? I
will tell you; there may not be a word of tru in it, but it is a matter of history, and you may
not meet with it in your school hooks. The old writers tell us that Juno was angry at the King
who reigned in Thebes, a city fingrome this Sphinx to plague the country and sent Sphinx did by proposing enigmas or dificult gues-
tions to the people, and the condition was that if any one answered one of her pureles corvectly she would destroy herself and relieve the conntry would put him sphinx? It is only an imamiatan ...ne described as monsters, with nd the head and face of a
were called Androsphinxc
The Sphinx that plagued Thel
a woman and a terrible voice
seat fust outside the city and
vexed the King of Thebes so that he offered his
crown, and daughter to wife to any man that an swered the riddle. The story tells that a young man called Oedipus, lame in both feet from childhood but was stopped by intending to enter the town he inust answer the riddle before he would be riddle he go further. When Oedipus heard the Sphinx dashed her head argainst the which the appeared. Oedipus then entered the city dis came King of Thebes, married the King's daugh mother, which who turned out to be li:is cuwn here is the answer to the Sphinx's story. Now who while a child in the morning of life crawls on hands and knees, walks recte on two feet in the middle of life, but growing feeble in the e
ing of his days, needs a stafi to suppre him.

## In the Saddle: A Winter Ride

Riding is enjoyable at any season. There is an inspiriting charm about it in spring weather es, when " 'the folded leaf is wooed fromay coursbud," and under the warm zephyrs the the trees blow in blushing profusion. On summer evenings, when the hew-mown hay rests fragrantsave for the chirp and and the cooling air is still, is a dreamy pleasure in riding many insects, there and on the "days that darken to winter ", whetly, the whole landscape is a vivid pageant and a perishing one, in its dying robes of red and gold, ing querulously and the annual caucus, callunder your horse's hoofs, there is a fascination in a meditative, leisurely ride. But what about in ride on a winter morning in the teeth of a gale, and you brace stinging storm? You'd "y rather stay in the house and knft ?" I wouldn't Yer stay in the what riding means till you try it on such an occasion.
dressed wed recently-buckled the girths tightly, my horse on the shoulder, and awhy ! was black-grey, the roads icy, the wind wild, sky from the north-west there drove fine, hard snowsiftings. As I rode, the sky grew darker, the all the elements seemed waging a furious battle - But I enjoyed it, and to all appearances so did Thucydides (call him that for short). He shook his head, kicked up his heels, and bounded off at O'Shanter's Maggie. On me like that of Tam down, and I almost caught myself looking and to ascertain whether any terrifying witch was about to rob my Thucydides of his tail, as that gie. But I had no cause to fame robbed Mag as Tam. It was a picturesque road that we traversed with numerous picturesque farmsteadings along turns, bridges where were long, steep hills, sudden various cross-roads, every least expected them, and dides would fain explore as a possible short.cut, suppose, to his own warm stable. The snow mane, and I rubbed my nose into my horse's freezing, while the wind moaned through it from through shieked through the elms, and whistled wails up the oaks, and switched about in eerie ment about such a ride, you think ? Wuch enjoy-
can say is what all I At one time Thucydides stumbled slightly in sprang ap and cantered along a more vigorousl than ever ; another, time he shied at a stump that he tried to take the bit in his teeth and argain whither T would not, but on my admonishing mi slightly he became all docility again. On passing screen, as a good many things appeared off and For instance, gates were off their hinges and off. off the truth, shingles off the roof, boards the barns, and shutters, lightning-rods, etc, off stones, lumes and implements of all kinds form each object should not have been Drar
n fan

## ther. .... forks or difficulties may be, is

## A1... 1 thare were heauty-spots, too,


new shingles on the roof, the tidy front porch had row of evergreens on the lawn were trimmed to one size, and the same precision and care were evident about the barns.
That little beauty-spot seemed to influence the How can people see no color or lovelineught winter scenery?" The curling snowbanks it tered, and the road wound ahead of us like gleam ing silver rails. There were clumps of faintly above, and deep blue shadows on the snow. Some of the slopes looked almost pink, and arame their brightness rested the lovely greens of the pines. The willows, with their tiny yellow goldenrod's brilliant autumn beauty her, and the to a fawn feathery lightness. Aly had changed clustered the brambles in shades of golden-brow and purple, and even the lichens on the old rail now, how greon like the first spring leaves. And How soon this pure snow-mantle be unfolding the shoulders of the hills and mother earth wit come to her own again, and there will be no more

glad brown earth, we greet

Freed from the shrouding snow
To starry bloom for thy dear sake,
Soon where the rivulets flow,
The slender rushes grow
O glad brown earth, to greet thee
The skies of Spring

## CHRysolite.

## Floral Notes

March is a good time to start pansy seed for
early blooming.
Cut back oleanders early in spring before start Drooping house plants will revive if sprinkled Plant gladiolus bulbs early, as soon as the Th out dround
This is a good time to take heliotrope cuttings All thi conse the Vine
All things considered, the Virginia creeper is Do not forget to plant a few dahlia seed about this year or March; then the plants will bloon Hollyhocks can be made to bloom the firs year if the seeds are planted now in boxes and back plants that are well grown. pot and other plants: occasionally will help you kill all anglewors in the soil the house and transpe started in a cool place in the ground is ready. It may, perhaps, hasten
bloom somewhat shrub, or fruit or of the lilac and other lawn and place in water in the sitting-room ; they will Canary bird vine is a pood annual is very easy of culture, and a profuse bloomer
its pale green, finely cut foliage and yellow fringer hossoms are very attractive
Unless your rubber plant is growing well do dust, and give fresh air frep the foliage free from in full sunshine, but do not keep it in much shace
$\qquad$
Ferbena seed or March is a good time to start benas growing thriftily can use considerable
water, and thev should bied ing in the ends of the shoots in sunlight. PinchWhen seed cowing is the plants to branch freely. should not then he attermpted, but plants cang it


## st-TWomms suturun

". Is the corn. who was lying fast asleep in a field
of him wit thin full intention of making an example


march 16,1903

GOSSIP.
Messrs. R. \& S. Nicholson, Sylvan, Ont., in ordering a change in their ad vertisement, send the following note of their Shorthorn herd: "Of our las
season's importation were four yearling heifers from the herd of Mr. John Marr sired by his chief stock bull, Luxury, a Rosewood, full brother to the champion full brother to the noted Silver ;late These heifers are of the Rosemary, W. Bud families, and are Averne and May Another yearling is Honeycomb 6 th A. Crombie's Hawthorn tribe, sired by best son of Spicy Robin The yearlin Coroniatia, was purchased fro yearling, Campbell, Kinellar. The from Mr. S in her pedigree were bred by Mr. W. S Marr, W. Duthie and A. Cruiokshank.
She is three times descended from the noted Scottish Archer, and is tue to tish Archer. These six, a son of Scotbest lot of yearling heifers imported the 1902. The two-year-old heifer, Lady Hope Wimple, was sired by the Lady getter, Prince of the Vale, lately illus-
trated in the 'Advocate, calf, Spicy Wimple, came, and her heifer are a beautiful pair. Of a former They portation, we retained the handsome
young cow, Pineapple 9th who young cow, Pineapple 9th, who during
the last 18 months has produced two superb heifers that, if not sold, will be sired by Imp. Chief of Stars, the best getter we ever used. Amongst the
home-breds are six red Nonpareil females home-breds are six red Nonpareil females,
most of them having none but imported bulls on pedigree of imp. cow, Nonpareil purest Scotch breeding, a low, thick even lot, and two Campbell Clementinas
that are extra that are extra producers, one Cruick-
shank Lovely, a granddaughter of cld slank. Lovely 19 th . Sranddaughter of old
Ine is the dam of chased for $\$ 500$, and we consider these two the best bred Lovelys in Canada. There are also a number of the grand which have won prizes at Toron half of why should not they, as the last cix or first-prize winners at torgnto or the all Provincial. The herd is now headed by a Clara, sired by Spicy King bred Count, Mr. Wm. Anderson, Saphock, Old Mel drum. Spicy Count is full brother to at Chicago in 1901. He was the lest exceeded our most sanguine and has tions. At just one year old his heart girth was six feet two inches. His upper and lower lines are perfect, his
evenness of development beautiful carriage, width and depth of
buttocks is something

## SHORTHORN DISI'ERSION SALE

 sale of the entire herd of seventeen head O. E. C. \& E. C. Attrill, Ridgewood Park Farm, Goderich, Ont., to take Ilace All purchased from the cattle were noarly ard herds of Robt. Miller, Stouftille James Douglas, Caledonia, and T. Doug las \& Sons, Strathroy, and have thehemefit of the blood of the high-class cires used in those herds, and all are in of hreeding age are in calf or have 237545=, a soot by Genora's Prince The champion Abbotsford, out of ty. a Toronto first-prize winner; or
orld's Fair King $=38431=$ by Beau a sorir King $58431=$, by Beau
a Toronto winler, sired by Sitty-
Sitamp (imp.) and out of Bessie Siamp (imp.) and out of Ressie
(imp.), bred by Sylvester Camp-
$\qquad$
$\qquad$
$\qquad$ miles from Clinton Junction, on
lon and Wingham hranch. Cata-
are in preparation, and will be

THE FARMER'S ADVOCATE NOTICES.
 LOAN SOCIETY, of Hamilton, calling and these column calling attention to the favorable
terms on which they are willing to lend shormers. Parties intereste shourd look up this advertisement and

" COCK O' The north."-The most ing and entive catalogue reach that recently issued by a long day is Abell Engine and Thresher Company. is a beauty outside and in. There is a lescription and cut of the Gordon High rander charge at Dargai Hill, the music of the regimental march, the last Duke hreshers andides all about up-to-date mentioning the engines. A post card,
ander.' vill secure you a copy. Address Ameri can-Abell Engine and Thresher Co., To supply may be exhausted once, as the

FREE BOOK on FORTUNE-TELI ING.-The Mystic Fortune-Teller, Jalm ist and Dream Book enables you to en way, makes you sought after at nartie and social gatherings, and arouses in those around you the belief that you possess the mysterious and occult powers which are attributed to those who tell Cortunes. This book is composed of 48 pages, and besides a treatise on fortunesarding Dr. Chase's famous fomily remedies. It will be sent postpaid along with a free sample box of Dr. Chase's and address, and mentioning their nam o Edmanson, Bates \& Co., Toronto

SELECTION OF OATS FOR SEED. We wish to advise you that there is an increased demand for oats for milling purposes, but on account of ${ }^{-}$foreigr proportion of the barley mixture, a large you are unfit for milling. As oats for this purpose command a premium, we request that you see that your seed oats wild oats and are free from barley, it is absolutely necessary that oats for milling purposes shall be choice white oats. With your hearty co-operation in furnishing us with choice oats suitable
for milling you will enable us to btain the highest prices for oats at all times, as we will then have both an export and a milling market for the same.
March Gth GRAIN MERCHANT.

## (1903.

A PIANO WITH $A$ RECORD.-We have very confidence and the greatest pleascate " readers to the advertisement
Heintzman \& Co. that appearg in the columns from
wous frm of piano-makers have been i
business in Canada for fify haver business in Canada for fifty years. Their
pianos have received the endorsement the world's greatest artists and all the eaning musical conservatories, and of
proninent citizens in all pats of Can da. Readers who are thinking seriou: firm, whose head office and wareroioms firm, whose head office and wareroions
are at 117 King . St. west, Toronto,
and who
GOSSIP.
H. K. Fairbatrn, Thedford,
writes: "Our Shorthorn cows
of the following Matchlesses Wiing amines same herd, has drope Maid, from th grand quality, sired by Coming Star sappy heifer, Matchless 34th, is a good calf by Royal Wonder and has a mode the States at $\$ 1,000$. Golden $G$ em, by Golden Rule, by Golden Crown (imp.) red-roan bull calf at foot. Frances Folsom 3rd, dam of the, heifer calf that Tas shown by Capt. T. E. Robson at
Toronto and Western fair. importing fercherons from U. S $\begin{array}{ll}\text { In } & \text { reply to an enquiry from the " Farm- } \\ \text { er's } & \text { Advocate," asking }\end{array}$ horses for breeding purposes registered in the Thompson record were admitted
duty free into Canada, or must they be recorded in the new Stubblefield registry, we have received the following reply from " Either certificate accepted, provider animal possesses qualifications for im-
provement stock."

Free ertry to U. S. of regis-
TERED STOCK TERED STOCK. OF REGIS S. Congress on March 2nd, providing explicitly that all animals registered
in books approved by the Secrotery Agriculture shall be the Secretary of duty whether being imported for purposes of sale or not. ' This action disposes of breeders, which interest to Canadian been enshrouded in a limited time has telligence will be received with satisfac

QUESTIONS AND ANSWERS. MISCELLANEOUS
feeding rape trees.
". Advocauld like to hear, through the
Advocate," something on feeding rape some last or our neighbors tried fearfully sick. Is it good for sheep 2. Is February a good month in which
to prune trees? Pictou trees ?
Ans.-Rape is not very widely used for hog pasture, but where employed it
gives good satisfaction. with your neighbor's hogs The trouble due to pasturing when the rape was wet With dew or rain, or perhaps they were
too suddenly put upon rape feed. All kinds upon rape alone for gradually accustomed to rape, and should not get it when wet until they are well used to eating it. It is one of the best
fall foods for sheen and catle rall foods for sheep and cattle.
2. Trees may be pruned in winter.
See Feb. 2nd issue.

> MELOTTE manem SEPARATORS Are the popular farm oream separators
for several heasons. Ono of them is
inlustrated-here. The Bowl hangs on $\Omega$
Bon
 These invaluable featares are
possessed by possessed by no other cream
separator

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HIGH-CLISS GERIMAN COACH STALLION Adam, No. 508 . H. E. S. B., of Germany, also
No. 599 V. Vol. I. G. H. and O. C. H. S. B. of A. horsees. At two yeard old of omooth carriage
German Government stud. Coken into the


Valuable Farm and Residence for Sale




 GOSSIP
advertiselass German Coach stallion is Salford P. O., Ont., near Ingersoll,

Mr. L. Rodgers, formerly of Weston Ont., breeder of Improved Yorkshire "Ave." inform readers of the 5. address to Emery, Ont, and wil rs, and many now his old customrepared to supply with young stock ther sex and different ages, 1 good hected, for which orders will be booked

 Illinois, formerly of Michigan Agriculaural College, has purchased the ta said to be about the best in Michigan. and long noted for its Shortintends it for his future home. theugh he does not purpose giving up collece
and station work in the meant ime. Windsor sate of Shorthorns from the Windsor and Salllringham herds of His
Majesty the Kinur. February 26th an average of $\varepsilon 82$ 2s. Gd for forty-eight head was realized. The bull, Royal
Duke, champion of the Roval Show three years in succession, mande the highest prire, being secured by Mr. Miller for ex-
portation to the Argentine Republic, at 800 gs. ( $\$ 4,200$ ). The vounc hull Body Guard, realized 300 gs., the rurChaser being Mr. J. Douglas Fletcher, Rosehaugh. The highest price for cows bought by Lord Calthorpe): Sweetheart ander Henderson zave 200 Es , for Citree, and Mr, Sydney Hill, 165 gs. for Prima Donna.

Messrs. Wm. Grainger \& Son, Londesd., write: ${ }^{\text {in }}$. "The young in a change of Wo would especioring are a grand lot. e would especially draw the attention months-old bulls. They are extr good ones, will weigh 1,700 lbs. in extra working order. Sired by the Isabellabred bull, Golden Eagle $=30943=$, from
Isabella Isabela 14 th, same dar: as the cham-
fion Moneyfuffel Lad, and their dams ty Beau Ideal $=22554=$, the third-prize bull at Toronto in 1900-a grand bull, of great substance and quality, weighing at five years old 2,700 lbs. Golden
Eagle $=30943=$ weighed, at
 one bull to H. Smith, Fxeter are one bull to T. H. Evans, Trenholm, Que and one hull to Sandy Mattchet, Peter borough, Gin _-_

## 

 weli plensed with the results from advertising in Advocate, Have madethe following sales since February 13 th: To Robt. Miller. Shoufville, the year-
 13 los. 5 ors. but ter in seven days at
two years old and sired Rutter Boy 3rd. He was winner of
first prize at ottum wnd Shorbronter

 Vxhinition. Mr. Andrew Kennelly. Win-
chester, secured a fine yearaliny hull
 Am Ottawa Exhibition, ned sirect by

 Notyly-bred young bull, sir Waltorf De
Kol. whose dam, Mondamin's Daisy's

 Winchester, tork two fine buill calves. Them out of Lady. Ahh rum ' Poicterty ${ }^{2}$ 's wimner of first proiz. ...l
 Nath Take, To Dr C.ank Mout
$\qquad$
About one mile from Ailanford station,
on the oven sound branch of the G . T.
R. iil R. in the county of Bruce, Ont., lies
R. i. ind \iew Stock Farm, the home of a Very choice herd of up-to-date Shorthorn Thlack \& Son. Trist herd numbers about 20 hend of Mary Booths, Meacowsweets,
Floras and Roan Duchesses, Floras and Roan luchesses, at the head
of whiyh stands the richly-bred Missie hull. Marengo 31055, by Mysie's Sailor, Missie of Neidpath 23rd, Sy Scotsman Erandam 3rd Missie of Neidpath, by Imp. methlick Hero. Marengo is one of the as a sire, as he possesses abundance of sive, has plenty of quality, is built on
true Shorthorn true Shorthorn lines, and handles like
sllk. The females of sllk. The females of this herd, both old
and young, are an exceptionally nice being large, broad, smooth, and in grand Condition. One of the Floras is May-
fower 16808, by Julius Cæsar 8560 dam Flora 87th (imp.), by Sovereign She has a one-year-old heifer, by Fergus
Clief 26376 , that is certainly a cracker, and a five-months-old white bull calf. by Royal Beau, a son of Imp. Royal Member. This young bull is the making of something extra. One of the Meadow-
sweet family is 15, by Imp. Blue Ribbon ; dam Mea dowsweet 2nd, by Imp. Sussex; grannow in calf to Imp. Baron's Heir Maggie Lauder, Vol. 15, is one of the
Mary Rooths, sired by Royal: dam Nancy of Alma, by The foundation cow is The Roan Duchess 12, by Don Vampa 9th; dam Lena, hy
Scottish Prince. There are a nunber of other females bred on these lines, rare good ones, several sired by Fergus Chie
26376. In bulls, besides the young white one mentioned above, is the three year-old, Golden King 35084, by tha dam Queen Mary 2nd, by Rantin Robin; grandam Queen Mary, by Rantin Robin
Golden King is as nearly perfect in his make-up as possible. He is very low
down, very thick and even, grand quarters, and a nice soft handler, and is the fourteen-months-old red one, by
Fergus Cuief; dam the above deacribed Fergus Chief; dam the above described
Maggie Lauder. This bull is also typically-formed animal, how, thick and exception of the stock hull, are for
sale: also, a number of females various ages. Also, Messrs. Black have
for sale about 8 head of high-grade
sown pure-bred herd. Write them to Allan
important dispersion sale. Readers are ashc
the advertisement. issue, of the dispersion sale of the
splendid herd of registered shorthorns sold by auction, April. Tyrwhitt, to be tiful home of Mrs. Tyrwhitt, near Brad-
ford. Ont., on the northern branch the (i. T. R., 40 miles north of Toronto bull. Royal Standard $=271: 34=$ bred ty
J. \& W. Russell, Rriclomond uaity, having already shown his goor
uatrong
quat qualities as a sire. He was sired hy
Scarlet Velvet 21446 , dam Isabella 15 th There are besides five yearling and two-
ypar-old bulls. which are so evenly
matched that it would be hard of
Ham.
malle. Mal
$\qquad$
$\qquad$
$\qquad$
$\qquad$


APPLE TREES.

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FOR

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It's a safe guide for those who do shopping by mail.
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It gives correct information about the latest dress styles for men, women and children.
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J Tras Roento Roses, one-year-o
plant
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price bents make goorl money solliny our Fencing and Gater. Write for catalogue and
ESPLEN FRAME \& CO.g STRATFORD, ONT
$\qquad$

## THE FARMER'S ADVOCATE



## Churn, Churn!


Best grocers sell it.


GOSSIP.
Hown, Middlesex Co.. Unt, in his advertisement in this
issum, offers Shorthorn heifers and bulls
 to be in first-class condition, and the Messrs. J. \& W. B. Watt, Salem, Ont Scottish Beall is home in his- new quarters, and is doing well. We have
now two bulls, Scottish Beall and Vice roy, sired by the two best breeding bulls
in Britain, Royal Star. $\begin{aligned} & \text { namely, Silver Plate and } \\ & \text { Scotish Peer }\end{aligned}$ imported bull, two years old, is now
or sale. He is of the lowdown aight good bull, and his calves are a several imported and We have still
and three stremebred females to dispose of. The herd, yumbering
nearly one numg nearly ohe hundred, is looking well

Four miles west of the flourishing town Ont., lies that perfectly-arranged stock 1. Shean, wholesale tea merchant, Owen Chat is never satisfied with a thing malf stables on in his splanning his barns and
splid farm has spared neither time nor expense in finishing
what is one of the best-arranued in the county. The main barn is 87
feet long by 52 , are all finished in dressed beech lumber,
with cement floors with cement floors, thoroughly drained.
The ceilings are 11 feet The ceilings are 11 feet high; the
windows large and plenty of thein, mitting an abundance of sunlight. The ventilation is the most modern in ise metal water bowl, the supply paten $\begin{aligned} & \text { teing }\end{aligned}$ regulated by the latest improved valv
system. There are a number of fitted-up boxe stalls. a number of nicely
white whole a of non-rub-off whitewash. with a coating limestone paved ; the whole yard is into one huge cement tank, from which
the liquid is pumped the the fields. On the opposite side house, where feed is mixed steaming Shean's as necessity requires. Mor Mr.
herd of Shorthorns now numbers 30 Lead of Crimson Flowers,
Minas, Polyanthus, Strawberrys and Lavinias, at the head of whioh is the
richly-bred and typically-forwe richly-bred and typically-formed stock
bull, Marengo Heyden Iuke (imp.), a son of the great Royal champion prize son of the great Royal champion prize-
wiuner, Marengo. Few, if any, better bulls than Marengo Heydon Duke, either individually or as a stock getter, have
crossed the Atlantic, and the enorme demand which Mr. Shean has for hic shows that the people appreciate his royal breeling. On the farm at pres-
ent are a number of very choice heifers,

roan, sired by Imp. (iolden Conqueror,
ceptionally good calf, This is an exvelop into something above the average. brisk. Orders are coming in from near
and afar, and during the last year he
has sold W. Territories, Virginia and different
parts of Ontario. This herd, as might.



IF there is one lesson farmers ought never to forget it is the poor economy of buying cheap seeds, just because they are cheap. We sell none but what are thoroughly reliable-the kind that grow with a flourish from start to finish and produce enormous crops. We make a specialty of

## -Improved Short White Carrots <br> Royal Giant Sugar Beets

Good Luck Swede Turnips
and challenge all Canada to produce their equal. The persistent argument of this business is not " how cheap" but "how good," with the result that Steele, Briggs' seeds always lead the procession.

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NEW SCOTCH WHITE OATS.
are glad to know, yielding 65 to 100 bushels per acre. Grain beautiful in money. This wo
 Grass $\mathbb{P}$ eas (ro-cleaned) just what they will do.




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The H. R. LAMB FENCE CO., Ltd., LONDON, ONT.
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THE FARMER'S ADVOCATE


UNRESERVED DISPERSION SALE of Goderiilh, soll buty public anction, at onr farm,", "Ridigewood Park," one mile from the town

TUESDAY, APRIL 14TH, 1903, SHORTHORN CATTLE 10 female and 7 bulls. of choice breeding. Convesances will meet 11 and 1.20 trains. Cats.
lognues furnished on application. E. C. \& E. C. ATTRILL,

WEDNESDAY, APRIL 8th, 1903,


 Bradford is on min line of Grand Trunk, Northern Division, 4 miles from Toronto.
COnereancess will meetall t trains during the day. Catalogue on application to


MRS. TYRWHITT, Bradford, Ont.



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TORONTO


## Camadian Bume Phow


Fifth Military Tournament The Armourles, Toronto, Canada, On Wednesday. Thursady,
Friday and
saturday,
April 29, 30, May I and 2, 1903, Entries close on Saturday. April 18 th
1903, and shoulat
HF DRY addressed
to Parliament Buildings. ${ }^{\text {HFNRY }}$ WADE $\mathrm{E}_{\text {Toronto }}$


Winter in California
Sunshine and summer, fruit and flowers all winter long in California. The quick way to get there is via the Chicago, Milwaukee \& St. Paul and Union Pacific line. Three thro' trains, Chicago to San Francisco, every day. If you're interested drop me a card. A. J. TAYLOR, Can. Freight and Pass'r Agt. 8 King Street East, Toronto, Ont.

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The Livingston Linseed Oil Con, Ltor,, BADEN, ONTARIO,
Manufacturers of strictly pu

Old Process Linseed Oil Cake and Meal, also Ground Flax Seed, -Write for prices.


## CREAM SEPARATORS <br> at reasonable prices. A free triai      <br> Windsor Supply Co., Windsor, Ontario.

GOSSIP. writes that he has two imported bulls,
ready for service, now for sale
A few days ago, a representative of the "Advocate" called on the well-
known firm of Jersey breeders, B. H. Bull \& Son, of Brampton, Ont., and had a look over their splendid herd of 80
head of choice Jersess, and found them. as usual, in splendid candition. yielding
an abundance of rich milk an abundance of rich milk. That won still hale and hull, Monfrch (imp.), is
three years bull herty. For the las
the throe years bulls of his get have won at
Toronto, first, second and third it junior classes, and there are at present
on hand for from a few months upen to siften of his,
onth
old, some old, some of them already winners ; also,
$t w o$ sons of the noted prizewinner al of Dentonia. These young bullar, Bin out of winning, tested cows. This firm have lately purchased the richly-bred
bull, Imp. Brampton Nameless Kiny. bred
 Iong, price; sired by Imp. Financial
King, a buil for which the owner refused the enormous price of $\$ 5,000$. His dam Adoration, won first on the Island
several several times, and she is out of the
champion cow, Namelos champion cow, Nameless. Again, his
dam and sisters are all tested cows and hold the highest records in the world. This firm reports sales away ahead of any previous year. Lately they have
shipped seven fermes shipped seven feumales and one bull to
Hamilton, N.-W. T, one to Quebec and one to British Columbia. In females, they
have $\begin{aligned} & \text { have for sale any } \\ & \text { animais aumber of young } \\ & \text { and }\end{aligned} a_{\text {a }}^{\text {fev }}$ older

 just been elected a life member of the American Jersey Club, an honor held by
no other man in Ontario.
clydesdales for canada Quite an important shipment of nine
highly-bred Clydesdales was made from Glasgow on February 23 rd by Mr. Oswald Sorby, Guelph, Ont. Mr. Sorby
had been in Scotland for several weeks making selections. Amongst the stal
lious shiped are the noted Prity (8144), and the Mearns Club stud horse
 Pride, Black Baron (10987), and (olden
Victor (11056), are young horses of
(1) Hilood and merit. At Lord Cecil's sal
Mr. Sorby bought the noted prize nnare,
Maroness Montague, and her son the $\begin{aligned} & \text { Baroness Montague, and her son, Baro } \\ & \text { Montague. } \\ & \text { Both were shipped with an }\end{aligned}$ other from the same quarter named
Lady Calista (14167), the daughter
 complete Mr. Sorby's shipment, several
in which were bought from Mressre in which were
\& w . Montgomery

GOOD ONES FOR THE WEST. Messrs. James Henderson, of Belton
Ont and J M Sinderson N.-W. T., recently shipped to the latte place a Eood consignment of drart
horses, including the Clydesdale, AmphIon (imp.), a showy young horse of good
quality and action, that won first thre-year-old at the 1902 Western rair ;
the Clydesdale, Florist (imp) bred by the Clydesdale, Florist (iimp.), bred by
Sorby, Guelph, rising three years old, that took Dfth place in an entry of seventeen Show; the Shire, Vulcan 2 2nd (318) bred by Morris \& Wellington, Fonthill, Ont, and winning second at the tecent
Toronto Spring Stallion Show; Prince ILewellyn, the Shire, rising five year Old, a big strong horse imported by
Morris \& Wellington; also, two extrin Eond
intoal to Morris \& Wellington's Imp
Mars, The Mars. The great rush of set lement
tifis season in the West and the demand for good breeding antl work horses will

Plant Dimes-Harvest Dollars.
detrimental togen ins the sol. is and quality
of the frutit. The cheapest aud riosi
NITRATE OF SODA

 Hil

"Firms and Softs" in Bacon. Fat hogs do not grade as "softs " in
kreater pronortion greater proportion than do lean ones,
but sott fat is more castly detected by the inexperienced than is soft lean, and
for this reason the impresion has hacome common that the fat hog is more apt to grade soft than the lean one. Rushing a hog to maturity withont Is the most common cause of soft pork. Rush him from start to finish by mak sideration, and you will not only mate successful rush, but you may be nhaolute ly sure of producing pork that will grade A1 "Firm
The Ingersoll Pork Packing Co., in a cldedly on the advantages of feedius Herbageum to pigs from start to finish and many of the leading breeders and oxhibitors of hogs, among whom are Mr C. Flatt, of Millgrove, and Mr. J. B of Herbageum as a means of keen pigs thrifty and always ready for their feed. geum-fed hor hor alwaysu fact that the Herba ceumi-fed hog al ways' grades "" frm," an
that his welght is alwnys

Our Seeds

Have been the standard of excellence for nearly half a century. We send by mail, postpaid, Seeds Plants, Bulbs; larger par cels by express or freight Direct deal will insure you the best and save you money. Try us. Your address on a postal will bring you our elegant catalogue, free.
J. A. SIMMERS, TORONTO, ONT.


UMAN nature is pretty much the same all over-everybody looking for a chance to buy things cheap. The everlasting rush for bargains is well enough in its way, but you can't afford to juggle in regard to seeds. Weeks and months of time and energy willube wasted if you get poor ones and the only safe way is to insist on

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## THE KIND THAT GROWI

Never any disappointment with them. We charge what good seeds are worth to begin with, and keep the business on a solid foundation by improving the quality year after year. We have enormously the biggest trade of any seed house in Canada. Such things don't happen by chance.

All kinds for farm and garden on sale by all reliable dealers. Send for illustrated catalogue and place orders early. Insist on Steele, Briggs' Seeds, and avoid all substitutes.

## тw STEELE, BRICGS SEED CO., wurrio

TORONTO, ONT.

gossip.
age are advertised in this paper by mir. R. J. Mackie, of Oshawa, Ont., whose
herd is oue of long standing and class breeding.
Parties desiring to iumport cattle from
Scottand of Mr. James Boden, of St. Anne the Bellerue, Que., the careful and experienced stockman and breeder of Ayrshire
cattle His adres cattle. His address, while in Scotland,
will be ns stated in will be as stated in the ad., care Icn-
allison Bros. 53 Bothwell St., Glaskow We have received from the International Stock Food Co. their handsome cata${ }^{\text {logue }}$ for the famous stallion, Directum 2.05\%. The catalogue lists the per
formances of the great horse breeding, with photo-engravings of his ancestors, and, incidentally, mentions that Internationai Stock Food is being used with great success in the International stock
stud at this farm stables. The $\begin{array}{ll}\text { sutch } \\ \text { Pate } \\ 1.59 & 1-5 \text {, Directum } 2.05 \% \text {, aul }\end{array}$ Roy Wilkes 2.06 z . It will be made
great horse-breeding establishe FARNHAM OXFORLS AND sum horns
Grom or tion, and when that $\underset{\substack{\text { retain at reputa } \\ \text { reputation in- }}}{ }$ proves with age it is the surest guar
antee that the motto has been honest and square dealing. Such is the hertuage of Mr. Henry Arkell, of Farn-
ham Fn half a mile from Arkell Station farm lies C. P. R., and four miles from (Guelwe
on both the $C . C$. on
1881 the present P. Fand and T. T. ford Down sheep was established by the importation of a number of choice shee from that time until the presentand, and ically, fresh importations have bean made and the flock enlarged and improved
until at the present time there head, comprising 125 one and two year old rams, 35 of which are flock headers
50 breading emes, 28 lanbed and are now suckling over Tambs ; the balance, younger ewes anid Bryan's 125 , bred by John Bryan \& Sons, Witney, England : without doubt
one of the best Oxford Down rams weighs, in ordinary breeding condition 350 lbs., and shows a faultess form and tovering. The other stock ram is Hampton Hero th, bred by J. T. Hobbs,
Maiseyhampton, Eng.
This ram is a place at the Pan-American: Wirst place at the following State fairs: : Illinois, Indiana, Wisconsin, Minnesota and St.
Louis.
 he considers him Mr. ATkell $\$ 150$, and sliipped the last year. Mr. Arkell hac Miinnesota, $\underset{\substack{\text { Indiords } \\ \text { Indiana, }}}{\substack{\text { Wisconsin, } \\ \text { Massachusetts. }}}$ Maine, New York, Pemsylvania, Michi-
Ean, British Columbia, N.W. T., ManiCoba, Nova Scotia, Queber and Ontario
and has over spon worth of orvilers now ooked for next fall.
book review.
Any bookt reriewed in this department may
be ordered throuth this oftce.
One of the most complete and conc ise "Fingineering for Land Drainage," by Charles G. Efliott, C. F. The book in the paper excellent, and the quplity of clear and well executed. There are $: 330$ pages of good practical information in
The book Che book, including many illustrations. It is principally intended sor those who makinarged with the responsibility of imung mans far and executing drainage anyone doing drainage on a smaller scale. As a text-book in colleges and sap. Our thanks are due Jolin wiley \& Sons, publishers, who have generousty
Whaced the volume in our office, where Whacen the volume in our office, where
 all the more, and his sleep is the
sweeter when you use BABY'SOWN SOAP

It softens and soothes all skin irrita-
tions. keeping it healthy and fresh. Don't use imitations on Baby.



AUTO-SPRAY
Best Automatic, Com-
pressed-Air Hand spray-
er pressed-Air Hand pray-
made. For trees,
rines, shrubs; for apply:
ing Whitewash. anty
 work of a barreel sprayer
at onethir of the cot
and onthalf othe labor,
Will onehe itf tout Cavers Bras., Galt, Cnt.

THE FARMER'S ADVOCATE.
 sale a good young Shorthorn bull of a
 John Morrison, of Whitby Township, who
is retiring is retiring from business, his farm stock
and implements for the himen of $\$ 6,225$. Six horses brought $\$ 1,225$;
17 $\$ 156): 33$ sheep, $\$ 400 ;$ and 4 grade
cows, $\$ 402$ Mr. Morrison had previousy sold, this year, privately, $\$ 1,000$
worth of pure-bred cattle, $\$ 770$ horses, $\$ 300$ of sheep, and has at least
$\$ 1,000$ worth of fat caltle stables. At the beginning of the year,
it is estimated, he must have had over $\$ 9,000$ worth of stock and implements
on his farm. Who will say that farming was no slipshod farmer. What he did
he made it a rule to do well. Mr. Harry Smith, Exeter, Ont., in his adertisement, offers some choice young
Shorthorn bulls of exceptionally good
breeding. Mr. "Among these is Vulcan, a very thick blocky fellow, by Imp. Royal Prince
36092, and out of Village Maid by Earl of Mar ; second dam the famous imported Cruickshank cow, Village
Blossom, who was the dam of the wellknown sire, Abbotsford, and the greatest of all modern Shorthorns, Young Ab-
botsburn. It is worthy of note that the dam of this young bull is now 16 years old. Her dam bred until she was
over 20. Abbotsford, as fresh and
useful as abser useful as a two-year-old, recently
changed hands at a good price whell nearly eleven years old; while Young
Abbotsburn was long past the usual age of show bulls when he defeated all beef
breeds of all ages at the Columbian Exposition in $1893-$ a record for vigor
and vitality that probably cannot be qualled by any other tribe of sor
horns. All interested should send for catalogue of the young bulls Mr . Somit
is offering. Thos. Mercer, Markdale, Ont., is well
known over a goodly portion of the tinent. or account of the splendid herd dious barns. one and half miles from
Markdale station on the C.P.R. Through his untiring energy, Mr. Nercer is the
owner of one of the best 200-acre farms in the County of Grey, on whičh stand one of the best equipped stock barns
the Dominion. Running along the reil $=v=45=$ being made to the straw cutter. grinder root pulper, woon-sawny machine and
threshing machine Mr. Mercer's herd
at whent mumbers fo heal of vissies Stamfords. Clarets. Fioras. Young Ster-
lings. Matchlesses. Real Roses and
and Fashions, headed by the super) 19
Broadhooks Golden Fame. Vol. 19
(imp), hred bv S. Camphell. Kinellar (imp.). hred sired by the great bull. botsford 2 nd. This bull is a roan of
the best build. In the herd are a
larre number of vounc fomales. from large number of yung temates
which can he picked winners. and any
ro
 40 c ., 50 c . and 60 c . per lb . Thorold, $\mathrm{O}_{\mathrm{N}}$


Windsor Supply Co., Windsor, Ont,

## "PURE, HEALTHY, TASTY." <br> Their sale proves their worth <br> "SALADA"

CEYLON GREEN teas are displacing Japans, just as "SALADA" Blacks are displacing all other black teas. Sold only in sealed lead packets- 25 c ., 30 c .

NTE THIS IS MR. T. L. PARDO'S (M.P'IP.
HASEMEENT BARN the finest and largest in kent co., ont. WALLS AND FLOORS BUILT WITH THOROLD CEMENT

arn as it appearkd in courbe of cometruction
WHAT MR. T. L. PARDO SAYS:
Estate of John Battlede, Springe, Kent County, Ont., Nov. 21, 1809.
stabling in my new barn, and I am well pleased with fully completed the out the whole building, which is $54 \times 100$ feet, with the basement walls 9 feet basement wall $14 \times 14$ feet, same height as walls, built in a corner of the We used in all 200 bbls. of your Thorold Cement in the whole building. result that our walls and floors are as hard as rock itself. work, with the

EST. JOHN BATTLE


SIO.00 GRAND COMCERT VIOLIN FOR \$2.95



SEWINg MaChines Sent on 20 Days' free trial.

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PLEASE MENTION THE FARMER'S ADVOCATE.

## J. I. Case Threshing Machine Co.




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\begin{aligned}
& \text { and your good fudymment whll percoal upowyouto order } 3 \frac{i}{\text { case Engine }} \\
& \text { to which munt be attached. } \\
& \text { both made to sceccesfully operate. } \\
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J. I. CASE THRESHING MACHINE CO ${ }_{1}$ - Corner of Duke and Jarvis Sts, - TORONTO, ONT,

## BINDER TWINE



PLYMOUTH BINDER TWINE AgENCY, ABERDEEN CHAMBERS,

TORONTO.

| YOU PED 4 CoWS or EMSIK AGE arame 3 on other |
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GENUINE
Pratt's Astral Lamp Oill
SOLD IN ALL COUNTRIES, AND RECOGNIZED AS THE highest-grade oil manu. FACTURED. wholesale only
THE QUEEN CiTY OIL CO., Limited, toronto.

## 

THE FARMER'S, ADVOCATE


## GOSSIP

 In addition to his ad. for seed oatsJohnn Campbell, of Fairview Farm, Woort
vilte ville, ont., places in this issue an ad He has a very Rice yard of birds, and one kind only, which have proved con
stant layers the winter yond the average. Birds sent out las season, as advertised in "Advocate

We are pleased to learn that the favor
able montio able mention made in these columns o
Dalgety Bros.' latest importation of
Clydesela well sustained, as shawn sysue, has been
Royal Kerr (see last issue. their sales. Royal Kerr (see last issue, page 238
has been sold to Mr. J. M. Cararthouse
Weston. Weston; also, to the same purchaser
the grand filly, Duchess of 25, got by the noted Marquilis of Mill
field 10813. To Mould gary, Alta.. the dark brown 1 bros., Cal
old Clyur-yearOld Clyde stallion, Brymbo, weight 1,700
lbs,-a good, useful-looking sire, witl
olent
 Connaught's Heir
 stands sixteen hands, with plenty of ac
tion. The Clydesdale stallito Alexander Albert 108sale stallion, Princo
Mr. J. L. Patterson bught by to have gone overson, who had intended
chnse, bootland to purchase, but was well satisfied to pur-
chase from Dalgety Bros, instead chase Irom Dalgety Bros, instead. Prince
Alexander Albert has all the action and
style of style of a Hackney, and should prove
valuable sire for his owners. mains yet, the handsome bay Clyde stal-
lion, Dividend 10729 Hion, Dividend 10729 , rising five, sire
Pandora's Prince ; dam Darling VIII.
by Colity Pandora's Prince ; dam Darling vili,
by Cairnbrogie stamp
commonly well-bred horse, to is an un
cocing buck to Prince of Wales ; stands seventeen hands, and weightse 2,150 stans. seventeen
onily just lanđed from only just lanted from a sea voyage
twenty-four days, he is almost ewenty-four days, he
enter the show-ring,

 H. GEE \& SONS, of Fisherville, Ont Eggs for Hatching grand pen of 30 hens, famout for their lamge a
size, marvellous taying tualities and splendid
color, mated strain cockerel. \$1 per set of 13, order earl-
 Mammoth FOR SALE.
 Sunnyside Stock Farm, Glanworth P.O.,Ont RIGGS FOR HATCHING. Barred Rock
only, from two pens. Choice pullets and ovce splendid satisfaction. Per $13, \$ 1.50$, or 40 fo Woodville, Ont
EGGS FOR HATCHING. Sitic lirown Leghorns exclusively. Most pro
litars, This strain wins highest honors at
New York ioston and Philadelphit showr
per 15, well packed.

 are the most perfect hatchers on the market
Fully garatedect
Write for circular to Built to last a lifetime J. E. Meyer, - Gourock, $\underset{\text { (Instend }}{\substack{\text { NEAR } \\ \text { GUELPH }}} \underset{\text { Om }}{\text { Om }}$

 MORGAN'S Incubator Works, London, ont EGGS FOR HATCHING - White Wyandotte

EGGS FOR HATCHING。


THE SPRAYER SONG AND STORY.
Why not join the chorus of our pleased patrons
"' $\mathrm{W}^{\mathrm{E}}$, sing the song of the Sprayer strong,


The Aylmer Sprayer.
 Superlatively simple: no gött paokling
to eag and losen : mechnoinaty to Rag and loosen : imechanically perfect
spring rings hold all the pressure. Thorough agitation wilhin the barre before spraying, and always at point of intake while in use, hence an entir
absence of cloggings
rite now THE AYLMER IRON WORKS,
YLLMER. ONTARIO

## 981/2 POINTS

Highest Score at any Dairymen's Conveníion this season, was received by butter made from cream separated by a
U . S. Separator at the Vt. Dairymen's Meeting, Rutland, Janl 5-5, 'o3.

THE U. S. SEPARATOR WINS HIGHEST HONORS AT IIANY OTHER STATE CONVENTIONS THE HIGHEST SCORE

98 POINTS
 HIGHEST in DAIRY TUB, DAIRY PRINTS AND CREAMERY PRINTS.

MIGHEST SCORE OF ALL.
Buy the U. S. Separator if you wish to make the Best Butter.
ERCIONT FARI MACriINE CO., Bellows Falls, Vt.

THE FARMER'S ADVOCATE.

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CREAM EQUIVALENT is used to substitute cow's milk where milk is scarce, made in éngland. $50 \mathrm{lbs} . \$ 2.00$; $100 \mathrm{lbs} . \$ 3.75$.
SOLD IN GAMADA BY LEADIMG dEALERS
or difect from WM. RENNIE, TORONTO.


FREE VIOLIN




## CHINA FRUIT







INAC QU此此STON,


USHERR, ONTARIO.

A new housse, barn, sillo, concrete floor, or any other such work? If so, use Queeriston Cemonemt
$T \underset{\text { process. No }}{\mathrm{HE} \text { old brand made by a new }}$ made. Arocess. No better cement contemplate using
cement should first inspeate the dif. ferent structures built of the different kinds of cement, and then
they would know which is hest cheapest. We especially request those interested to ask our many patrons about the new - process Queenston Cement used during the be misled by statements from thot who sell the goods most profitable estimates and We can save money fors. when building.

FREE


THE FARMER'S ADVOCATE


## NATIONAL














airs hit Natomal arial sean or parten
The CREAMERY SUPPLY CO., Guelph, for South-western Ontario. The T. C. ROGERS CO., Guelph, for Ontario North and East JOS. A. MERRICK, Winnipeg, Man., for Manitoba and N.-W. T. JOHN A. ROBERTSON, 108 Union Avenue, Montreal, Quebec,
The Raymond Mfg, Co, of Guelph, GUELPH, ONt.


Please Mention the Farmer's Advocate.


International Importing Barn, Sarria, Ontätio,


Clydesdale and Shire Stallions, and Spanish Jachs,





H. H. CALISTER, Manager and Salesman.

NEW IMPORTATION ARRIVED FEBRUARY 20, 1903
First-class Clydesdale Stallions
 They have superior quality, and are for sale at very reasonable prices. Persons desiring
to purchase should write or call on
om WM. COLQUHOUN, Mitchell P. O. and G. T. R. Station, Ont. Imp. Clydessalas ins Shorthorns


Messrs. Smith \& Richardson,
 them imported, including brothers of the world-re
nowned Baron's Pride, Hiawatha, and Royal Cairn ton; also 13 mares bred from imported teocok. Siorn-
horns, imported and home-bred, all ages. Stations : Oshawa \& Brooklin, G.T.R., Myrle, C.P.R.


JOHN BRICHT, MYRTLE, ONTARIO, Clydesdales and Shorthorns,


Is now offering for sale \& stallions, sired by such horses as Prince Patrick (imp.), Erskine's ence (imp.). Also a number of mares (imal Laurence (imp.). Also a number of mares and fillies. Miss Ramsden, Clementina such families as son Flower, Village (iirl, Stamberry. Crimn Flower, Village (iirl, Stamford, Rachel,

Myrtle Station, G. T. R. and C. P. R.

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& \text { NEW IMPORTATION }
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& \text { and Brandon, Manitoba, }
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| Grarnet ; Arthur Johnston, |
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Prince of Kenwool: Alex. Mlecaig,
 Ranton's Boy J Juo. Ketclen, cor-
Johny Cape ; I. H. Letlman,












Prince of Coverdale: Andrew Porter,
Givel,
Silver Kiur
Targh
$\begin{gathered}\text { Tan } \\ \text { ristoave hamply }\end{gathered}$
; J. W. Kerr, Mor-
$\underset{\substack{\text { nistown } \\ \text { Bruce Landsilowne ; Jacob (Gies, } \\ \text { Macton }}}{ }$



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GOMBAULT'S CAUSTIC BALSAM A sate speed and
positive
and


 Afigunavemer frini
 taB La WREMCB-WILLAAS COMPARY, Toronto, Can.
You Lose Money Tuttle's Elixir

Tuttle's American Condition Powders
 Dr. S. A. TUTTLE, 66 Beverly St., Boston, Mass. Beware of so-called Elixirs- none genuine bat Tatte'g.
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Montreal and Toronto, Canadat.
OAKLAWN FARM. Greatest Importing and Breeding amous Prize-Winning Stud PERCHERONS and FRENCH COACHERS, 500 HEAD. Four Large Importations in 1902 The Choicest Collection Ever Assembled, including Four of the Six First-Prize winher,
at the great annual French show of the Soclete
Hippique Percheronne lu 1902 INTERNATIONAL LIVE-STOCK EXPOSITION distinymothithe Oaklions. The Percherons achleved In tevery First-Prize winner (except one
in the ryluar statlion classes were imported by
Duntram, Fletcher \& Coltumes Notwithstanding the superior quality of
our horses our prices are lower than can be DUHHAM, FLETCHER \& COLEMAN, GEO, STEWART, Howick, Qubbec,


Clydestale Horses
has now on hand for sale 3 two-year-olds and 1 year
ling ballilion carrying the blood of Hiawatha
Dirwle.
 ever inported. Write with ifilly foal. The best lot

Fore: 6 CLYDESDALE STALLIONS fashionable breeding and good individuals, of most
ohinn maree


THE FARMER'S ADVOCATE

## Stallions

DALGETY BROS. LONDON, ONT. Largest Importers of Horses in Canada. FIFTH CONSIGNMENT this season will
arrive at Toronto first week in March, and will nclude some extra good horses. Our motto: Small mand

DALGETY BROS., LONDON, ONT

## CAIRNBROGIE'S

GREAT STUD
Graham Bros., Claremont, Ont.,


Clydesdale and Hackney Horses
$\mathrm{H}^{\text {ANDLING only the best of their repre- }}$ more good young stallions and mares than ever before - home-bred and imported - of
choicest breeding choicest breeding and ample size, combined
with the very best quality and action. Prices in keeping with the quality of ourt offerings. Prices New importations just arrived.
Claremont i is 2 milee C. P. R. Farm one mile from toronto, on the pondence and an examination of our stock
silicited.


ROBERT BEITH, BOWMANYILLE, ONT.,

## Clydesdale

 Hackney HorsesIo offering for sale a number
of choicely bred Clydesdales
and and Hackney stallions, als The Clydesdales are sired by
The noted horses, Prince of
Albion King of the Albion, King of , Pre Roe of
Lord Stewart and The Prior.

100 PERCHERON, SHIRE AND HACKNEY STALLIONS and mares


LEW. W. COCHRAN, 607 west main st.. crawfordsville, ind


The attention of horse breeders is C. Coates, Thariesford, Ont,., of two
large Standard and registered stallion that have shown good speed, pedigree and particulars of which will be supplied
on application to proprltol
A. M. Shaver, Ancaster, Ont., writes Sules are good. Our Shorthorns are
prime condition for breeding.
We find farmers would rather pay a few mor
dollars and get quality aven for grand dollars and get quality, even for grade
hierds. We have just added the grite tock bull Imp. Christopher $=2885$ (1) to head our herd.
 imported sows to farrow to importi
hoars in April and May, and litters wil
"ot be alin. Will book oriders now.

| es: | Smith Evans, (io |
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| to | an error in to lraw |
| bers | of the "Advocate," in resard |
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|  | rindlavcou |
| n | second and third in wether |
|  | should have read thus: |
| 'Smith | Evans, of (:ourock, Out won |
|  | second and third for wet |
|  |  |





FOR SALE
and good threshing outfit; complete,
good-will of first-class route in North Brant.


Pure-bred Rough-coated Collies,
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ing the tol ing the tool and a hog's snout operated
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you take of it the boter: it is not a
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olles of the lower jaw, between the sometimes at
it
other points.
Symptoms.-Languor, dullness, loss of
appetite, staring cont and
appetite, staring coat and general un-
thrittiess precedes attacks. The lands
between the jaws ane suctlen
between the jaws are swollen and ex-
teremely sensitive to the touch. There
is a rise of temperature, with increased is a rise of temperature, with increased
pulse rate. Sore throat is shown by
food and water returning through the
onose and nose or dropping from the mouth. As
tho disease progresses, abscesses in the
clands point nnd breat Trean ment-Animal should be placed in a weillighted, clean box stall, where the
temperature is
tairly even,
clothning suff should he nient anvinal comportable. If tit temperature
runs high, say to4 and the pulse is strong, give 10-dro
doses of aconite with hall--dram doses fluid extract of belladonna in an ounc times a day.
If the throat is much irritated dram
loses of chlorate of potash with two Noses of chlorate of potash with two
drans of powdered goldien seal placed on
dhe tongue throc tiwes ing gives good results.
Like all fill febrile troubles, strangles re-
lices the vitality. Tonics should not Wices the vitality. Tonics should no
bo neplected. Administer, as directed Fewlar doses of Dr. Hess' Stock Food-
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It is the only stock ormulated and manufactured by
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|  | De Kol (Imp.), stock bull. Stock of all ages for sale from the great De Kol Pietertje Clothilde and Bar |
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tivice Thec. 1st, 1902: over 20 of the


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    is now the intention of the proprie
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