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Persevere and Succeed.

## and Home Magazine

$\qquad$ EDITORIAL. the government and the national RECORDS Board, held last month in Toronto Rutherford, Veterinary Director-General and Livestock Commissioner, took occasion to correct a tional Live-stock Records are administered through the Live-stock Branch of the Department of Agriculture. As a matter of fact, the National Records are not under the tutelage of the Department. For patriotic reasons, the Dominion Government endorses, and to a certain extent assists, the National Records, but the desire and intention is that thatity as well os in name stand on its own in actualit, as Department De clearly and sharply drawn in the public mind.
The scheme of organization is, briefly, this : The several breed societies and associations elect their representatives to the National Record Board. The Record Board elects from among its members a Record Committee, to which is entrusted the general charge of the administration
of the National Records office. The head officer of this office is the accountant, and, so far as actual business relations are concerned, the accountant and the live-stock commissioner are, respectively, the only two persons through whom culture have official contact. A clerk of the Department of Agriculture examines the certificates passed along by the breed registrars, and, when found correct, he places the
seal of the Department on each one, which stamps it as recognized and endorsed by the Government; but all business relations are between the accountant and the live-stock commissioner, repreernment generally.

REGULATIONS GOVERNING THE FREE IMPORTATION OF STOCK.
The resolution adopted in Toronto on April
3oth by the National Record Board, concerning the conditions of free customs entry of pure-bred stock into the Dominion, relates to one of the
most complex and difficult subjects with which an organization of breeders could be called upon to necessary, but just what form it should take, and how far it should go, has been a problem of much delate; and that conceded, the next question was how to frame the new regulations, so as
monize all the diverse interests and adequately coler specific cases with a general regulation. The present customs regulations on this point most any animal pretending to registration I nder them, many animals, especially horses, have been brought into the country duty-free, ostensilew Canadian farmers out of extravagant prices ior inferior or worthless animals, often recorded ill clap-trap registration books, recognized by no cume. Doubtless the public has been gradually edncated through its mistakes in but the education has been pretty costly, stuck, but the education has been pretty costly,
and now that Canadian breeders, assisted by the Dominion Government, have gone to such pains
and expense to consolidate their live-stock pedi and expense to consoldate their Records scheme
tion in any country, the importance of doing purge the country of all spurious or inferior pedigree registration, and insist that all animals in Canada claiming pedigreed breeding shall be recorded in our own books where we have such, surely requires no demonstra-
tion. The existence of two or more recognized tion. The existence of two or more recognized confusing and an easy lever for deception and fraud. It is greatly in the interests, not only of Canadian breeders, but of the purchasing public, and that record should be the one kept at Ottawa, and every one of its pedigree certificates should bear the imprimatur of the Dominion Government as a guarantee of validity, just as our currency bears the stamp of the mint. Any system of pedigree registration that is worth maintaining at all is worth guarding zealously. Precedent is not lacking. Our Republican neighbors have hedged their pedigreed-stock trade about with all manner of federal and corporate restrictions, some of them essentially protective in prin importing effect. We understand that woak stocidavi on American affidavit
citizen.
The resolution passed at the meeting of the National Record Board emphasized the advisability of having, as far as possible, all pure-bred Records, and recommended that free customs entry should be granted only to animals owned and imported by British subjects, and on production of certificates of registration of such animals in the Canadian National Records, in the case of all breeds for which we have such ; otherwise, in books kept by certain spock the pedigree cer country of origin, providing that the pedgree cer foreign societies be in all cases approved by the coreign societies be in alional Records, thereby re lieving the customs officers from the respohsibility of such a duty. The above resolution, while not unexception There are, however, some anomalies. The proposal to admit free of duty animals entered in the French Coach and French Draft books of France, the German Coach and Oldenburg books of Germany, the Suffork and Cleveland Bay book Pollertion, the Pored the United States, the Folled Hereford books of the Erited states, the Spanish studbook of jacks and jennets, while exluding short-pedigreed Shorthorns and making no provision of any kind for the free importation of Holstein-Friesian cattle, seems hardly advisable. The principle advanced in the resolution, of seek ing to have all pure-bred animals in Canada re corded in the National Records, is a good one and might be followed out further. It is not necessary to prohibit the importation of animal not recorded in Canadian books, but why not re quire the payment of dury or important enough ig to breeds not numerous or The payment o have Canadian registers? deliar the introduction of any worthy breed, but would stimulate prompt effort to have a Canadian record established, and would tend to dis miscellaneous breeds which favor ac country most hy staying out of it. ing proposal is that it would almost necessitate the establishment of a Canadian record for Stand-ard-bred horses, which, in some well-informed
$t_{0}$ us that would be affected, it would seem that some way should be found to admit animals of this breed without throwing down the bars to wenty-ive or thirty foreign studbook, heok and flockbooks, oard proposes
It has been given to understand that the DoFisher, is favorable to the recommendation of the Record Board, and prepared to recommend it to the Department of Customs. so that an early change will be looked for. While so that an early change will be very acceptable to stockmen, we take the liberty of suggesting that no impropriety, but much advantage, would result from going a step further and requiring that no animal be admitted into Canada duty-free unless owned and imported by a British subject, and recorded in a Canadian book of record, incorporated under a Dominion charter.

HOW MILKING QUALITY WAS DEVELOPED. Apropos of the dual-purpose cow discussion running through these columns, let us draw attention to a couple of extracts, taken, respectively, rom our Irish and Scottish letters. Writing of Herefords at the Dublin Spring Show, " Emerald Isle" says: "While Shorthorns are pushing head, these great Whiteface beef-producers are only marking time in Ireland. They admirably suit the rich grazing lands of the center of our sland, but their deficiency as dairy cattle vells against their general advance.
The very day these words were penned, " Scotand Yet," across the Channel, was writing about Mr. John Evens, of Lincolnshire, Eng., who had een awarded first place among the Lincolnshireprize farmers in 1907. Mr. Evens farms 980 acres, and keeps a large stock, including a herd of Lincoln Red cattle : "The notable thing about the herd is that, beginning to keep milk records in 1885, he has, through the information gained from them morning and evening during these twenty into one of the best herds of aairy cattle in Eng. land." It is true we are not told just how Mr. Evens has succeeded in rotaining beef type along with the development of milking quality, but it is probable he has attained a very fair measure of success in securing the combination or dual-purpose cow. If he has not, it will be because, in the zeal for dairy production, adequate stress was not laid on beef type. At any rate, the case is of value as signifying what can be done y systematic breeding, selection and develop tendency in a recognized beef breed. It is this kind of systematic effort that is urgently needed in Shorthorndom to-day if the breed is to gain ground, or even retain the place it holds.

Ten thousand dollars from the City of Guelph and twenty thousand from the Ontario Government, should sumciently increase the lacilities of requirements for quite a few years to come Plans have been under consideration which will ac commodate a greatly enlarged fair, and at the same time provide the local citizens with an admirable market-place.

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ronto, commend it as a most complete and up-todate book in every respect, unequalled
other at the price. This sptencid volume we ar in a position to offer to our readers for obtaining "N." 11"w yearly subscribers to "The Farmer's Ad...." and Home Magazine," and believe that

HORSES.

## PERCHERON HORSES

History shows that 75 years ago the Percheron in France was a 'bus horse, weighing from 1,200
to 1,400 pounds, according to the official statement. The increase in size during the past three quarters of a century to the present scale is trace able, as in all other draft breeds, to the require ments of modern civilization, and the insistent
demand for horses nearly up to a ton weight, which is really a greater weight than is necessary for ordinary draft work, and is really attained by comparatively few in, any of the draft breeds, "It is probably beyond question," says the
author of "The Horse Book," recently issued, author of "The Horse Book," recently issued, Canada about the beginning of the nineteenth
century, probably earlier, but the first authentic history we have of an imported horse making great mark in the stud is of the McNitt horse, or Eurapean, landed at Montreal about the year 1816. There is some dispute about the weigh of this strotter, and begot Alexander's Norman, which founded an unimportant strain of trotters,
it is unlikely that he was at all large. It is hisit is unlikely that he was at all large. It is his-
tory, also, that Alexander's Norman was never tory, also, that Alexander's Norman was never
intended to be used as a getter of trotters. ${ }_{\mathrm{He}}$ intendere or less of the draft type, as draft type went in those far-back days, and it cannot be said
that his blood has been of material bencfit to the that his blood has been of material benefit to the
trotter as a breed." It is, however, freely ad trotter as a breed." It is, however, freely add
mitted, in the history of the American trotting and pacing breeds, that some of the most noted
strains of that class of horss owe their origin strains of that class of horses owe their origin
ived, horses in all classes have been grays breed has, however, in the United States, ion is now coming back into his own. Dealer i. Chicago and elsewhere say they will pay high, sometimes, as $\$ 20$ in the hundred more gray geldings than for other colors, which sul reed grays.
The Percherons have never had a fair cha oo prove their claim to favor in Canada, best class of stallions not having been introduced here, unless some of the recent importations may
neasure up to that standard. But, even with th mediocre sires that have been brought here, man excellent grades, suitable for draft and genera purposes, have been raised, and Percheron stal-
lions have nicked especially well with the avernge lions have nicked especially well with the average tionally useful class of farmers' horses.

HACKNEYS GROWING IN POPULARITY The Secretary of the Canadian Hackney Association writes: "I have just been looking
through the 1907 Studbook, Vol. XXIV., of the Finglish Hackney Horse Society, and find that amongst its 2,045 members, are to be found the names of His Majesty the King and other not
ables, as well as the small tenant-farmer who raisas probably one or two horses of the breed a year, and about 100 lady members, and 519 lifemembers. That this breed of horses must be riage horses is proven by the number that are exported every year to the United States, Canada Argentina, Africa, Australia, Belgium, Brazil, New 7 ealand. Portugal Sermany, Holland, Italy ". Tealand, Portugal. Spain and Switzerland.
Conditions for entry in this Wolume a
hat stallions foaled

A Typical Percheron Stallion
Percherons were imported into New Jersey in 1839 and later, but it was with the importation Ohio, that the importation and breeding of Percheron horses in the United States had it in-
ception as a business. The farnous stallion Louis Napoleon, weighed about 1,600 pounds at
of 111 inois, began the movement which has re
sulted in thousands of Percherons being imported class, and from the very first the Percheron has after 1880 must have registered sire and registered dam tifying to know that the Canadian Hackney Society has
increased its mem increased its mem nearly 50 per cent and that many new breeding establish-
ments are starting ments are starting
both in this country and in the a large number and a large number of
old stables are adding this breed $t$ their
ments, crossing with the Thoroughbred of good conformation, thereby get-
ting fast, bold, $\underset{\text { high-going }}{\substack{\text { and } \\ \text { good-tempered } \\ \text { car- }}}$ riage horses. It is
strange that the iarmer cannot see
the benefit of registering his animals,
loreed; but, from the
very much larger number of registrations made
this year, it is evident they are gradually becomcen the favorite drafter of the American people. ."Intersted," on page 7-7, asked for discus an in are promably three times as many I'ercher- sion on two-horse corn cultivator. This impleone breed. "The technical charges," says the farm, not only for corn. It can be used for cultimade against the Percheron are chichly that his datink potators, roots, or any vegetable that is none is light, his pasterns short, and his rump, wamtel in rows; it is also a bean harvester. It
sloping. The popular verdict is that, whateren in aly uly cultivator for preparing the soil the size of his bone or the length or angle of his for at crain (TOP in sprimgtime. The frame is the cities than those of any other hreed, and the andmstatha, and one section can be added, if necesdraft horse which can get up and go; and, galy- have always found one row well done is very much rercheron best fills this and all other hills." An- the twohorse cultivatur has over the one is that While all colors are to he found in the brem, five arres with the one horse. It also means a
 ing year, it is evident they are gradually becom-
ing more accustomed to taking a little trouble to
keep a record of the animal they breed. The secretary will always be pleased to supply entry ADVANTAGES OF TWO HORSE CHLTIVATOR var. Then came a craze for backs; but thel


LIVE STOCK.

## OUR SCOTTISH LETTER

$\qquad$ begins by referring to our unwonted experience of have often a few snow showers in April, but today and yesterday, all over Great Britain and snow has been raging. The results may be disastrous for flockmasters. Low-ground lambing fin ished some weeks ago, and hill lambing is just Chave been quite satisfactory, and the hope was have been equally so. But lambs entering the world in such weather as this stand a poor chance
of survival, and those which have already rived will require careful attention. It is said that no such April blizzard has been known since
1879. That was the worst season for British farmers on record, and we can only hope that our present experiences are not a harbinger of similar
experiences in the approaching season. If it should be so, the farmers of this country would haveir day. As it is the outlook for flockmasters is not too promising. The slump in wool has come, and skins have fallen to a lower level than they had reached for the past half a dozen years. Mutton is seting wend and sheep would, under a good return for their outhay. The poor price resulting from the skins throws the balance on the other side, and, even were the weather conditions flockmasters would not be too promising
For two days of this week I was in that distressful country, Ireland. The Spring Show was being held at Ball's Bridge, where there was a ford, Jersey, Kerry and Dexter cattle. Horses chiefly of the Clydesdale persuasion, were also in evidence, and one or two Hackneys were forward. Ashtown. areinst whom the fint of the Lnited Irish League has gone forth. His Lordship was at the show, along with his wife and boys, but was being protected all the time by a detective,
whom those in the know had little difficulty in picking out of the crowd, although ordinary onlookers would never have imagined he was anything but one of themselves. It was a plucky way of enjoying the show, but one would rather
not have been in Lord Ashtown's shoes. The show was this year a strictly Irish event. On ac count of the foot-and-mouth disease in Edin burgh in February, the Irish Department of AgriBritish cattle, and the embargo still remains in force. In the past, Scots and English breeders have carried away the leading honors of the show, but this year the Irishmen had it all to themselves. A Scots-bred bull was, however, cham-
pion of the yard. He was bred by Mr. Watson (Auchronie), Brucelands, Elgin. He is named Scottish Boy, and is owned by Mr. B. Barton, Strafian, who breeds very good Shorthorn cattle the Earl of Caledon, Co. Tyrone, and were also got by an Auchronie bull named Scottish Captain. Two very fine roan bulls were placed first and
second in the class of two-year-olds. They were second in the class of two-vear-olds. They were
bred by Mr. Toler Aylward, Shankhill, and were sold by public auction on the second day of the show for 230 gs. apiece to Mr. Dan. Maclennan for exportation to Buenos Ayres. They were ex-
ceptionally good specimens for that trade. The auction sales on the second day were a new departure at the Royal Dublin Show, but they ar iikely to be continued. Trade, although not Aberd was quite steady, and for all they were worth The outstanding fact about Irish cattle is the extraordinary improvement that has marked the past sixteen or twenty years. Jorn trade in Ireland. A Cruickshank bull was anathema. Now Scots judges reign, and bulls of Scots breeding are in favor. This week the judges were all Scots but one, and he breeds
Scots Shorthorns in England. Two Aberdeenshire breeders also judged the "Blacks," which also showed great improvement. Black bulls are in high favor for crossing purposes in Ireland,
where a black calf is just as popular as it is in been no outhreak of foot-and-mouth disease in Ireland for twenty-five years. The whole policy of
sucussive Government departments has been to sucressive Government departments is out. This keep disease out of Ireland when it is out of the
they can do, seeing that they have control
port of trush agriculture. As the country has itl to risk outbreaks of disease. Should thing unhappily take place in Ireland, the
would simply be ruincus to the whole
is and agriculture is the mainstay of his country,
is a protectionist. He dare not take risks in respect of the importation of dis-
ease: and, as apriculture is the backbone of inCustry, what affects it determines the Irish politheian's action. He is an out-and-out believer in the old saying, "
ain seep yer ain fish-guts for your
Being freely translated, this meaneth, "Man, mind thyself." It is not a half-
had policy. In Great Britain, where other trades had policy. In Great Britain, where other trades and industries have the upper hand, it is not so
easy to try the policy. The English wheat-groweasy to try the policy. The English wheat-grow-
ing farmer is a Protectionist, but the Scots dairy farmer is nat. He wants to buy so much more than he can produce that protective tarifis would
in no wise benefit him Scotland has a big job on hand just now in connection with the regulation of her dairy sup-
ply. Legislation is threatened which may considerably handicap the farmer in the production of milk. There are proposals to deal drastically udder. An army of inspectors is to be let loose on the country, with power to inspect byres at any time, and condemn cows right and left should
the inspector find anything suspicious about them Of course, provision is made for payment of compensation, but, as a matter of fact, no amount of compensation can ever make up for the loss of a
man's trade. Very drastic powers are conferred with respect to the notification of disease among those employed about dairies. To my mind, this is much more necessary and clamant than the
other. Few cases can be cited in which disease
or less of a mystery. There are few things about which less is really known in agriculture, and how to prevent its sprea
The Royal Agricultural Society is once mor firmly established. It is doing splendid work
In the recent issue of its Journal for 1908 there is a most interesting report by the judges on the Is ancolnshire prize farms of 1907. The first prize of £60, was awarded to Mr. John Evens, Burton Lincoln, and never was prize more worthily be 620 are arable and farms 930 acres, of which 22 are arable and 310 are in grass. On this farm is carried a stock of 30 horses, 901 sheep 192 cattle, and 11 pigs. The main features o the economy of this farm are dairying and sheep
raising. Mr. Evens has a celebrated herd of Lin raising. coln Red cattle. The notable thing about them is that, beginning to keep milk records in 1885 he has, through the information gained fram them morning and evening, during these twent to one of the best herds of dairy cattle in Eng land. How many men can produce such a recor from labors so continuously carried on. Mr
Evens is able to produce these milk records, morn ing and evening, for every day since he com menced taking the record, in 1885. This is the right way to go to work in a matter of the
Records based on calculated totals and average are better than none, but they are not in any rea and alsolute sense records at all. Mr. Evens feeds liberally. His By such liberal feeding, he keeps th

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is clearly traced to a diseash
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A Hunter with Hackney Sire and Thoroughbred Dam
proved to have been conveyed from one human being to another, with milk as the medium of notification of disease compulsory. The difficult is to define the disease which must be notified. I the past there has doubtless been gross careles. How is this thing done in Canada? It did no strike me, from anything I saw, that your dairies and cow sheds were ideal; but, no doubt, the with the necessity for home accommodation such as our authorities here are in the habit of demanding. The one thing taught by all this threatened legislation is that, if the pulc tions, they must be prepared to pay much mor for milk than they have ever paid for it in the past.
We are threatened in this country with a new potato disease. It is called Black Scab, or
" Mirby disease." Mr. Salmon, one of the teach ers in the South-eastern College, at Wye, in Sus sex, has made a study of the disease, and is in an
irate mood because the Board of Agriculture have not, so far, taken so serious a view of it as he has done. He has organized the potato-growing farmers, and endeavored to get them to press the edly. this disease is a menace to potato-growers Whence it has come, or what its cause may be, is alike unknown, but this is not to be wondered at,
since the whole history of potato disease is more
isty, Huntley.
Mr breeder being Curiously enough, the dams of Prince Thomas 10262. The family prize for Cly desdale yearlings was won by Mr. George Alston's Cuplanta, a son of Baron's Pride, and a Cawdo same winner. Everlasting is also a son of the other Baron's Pride victory. SCOTLAND YET,

REPLY TO HON. JOHN DRYDEN

## Edito

It was, no doubt, with interest that we rea the letter in your issue of April 23rd, from the
pen of Hon. John Dryden. Permit ene of the younger men, and, I think, the first one to advo cate in your columns the transferring of the Win ter Fair from Guelph to the then Toronto Junc-
tion, to answer Mr. Dryden. If we refer to the letter mentioned, I think we can prove the neces sity, of moving this important Fair with Mr. Dry den's own arguments. I think, too, that he wa lying the agitation to move the Fair. I know that I am treading on dangerous ground when answering Mr. Mrycen-dangerous in that, as a defend what was, when he was Minister of wil culture for Ontario, one of the most successful foster-children of the Government. But in the in-
terests of live stock, one should be willing to
undergo even the spirited defence the cause may ${ }^{\text {mir. }}$ Mryden says the Union Stock-yards Co., o West Toronto, "seeks to establish a rival institu
tion." Mr. Dryden is evidently unaware that tion." Mr. Dryden is evidently unaware tha
Mr. Dods, secretary of the Union Stock-yards Co Mr. Dods, secretary of the Union Stock-yards
went to Mr. Monteith, Mr. Dryden's successor, and suggested that the Winter Fair's location should be changed from Guelph to the Stock-yards at we will touch on later, but expressly assured the Minister of Agriculture that no rival fair would be started, as he (Mr. Dods) was in favor of ha monious dealings with Guelph, the Winter-fa Board, and the Government. like establishing a rival institution? Mr. Dry den, says, too, that the Stock-yards Company an those that are in favor of this movement are un informed as to the object of the winter Surely not. Mr. Dods is an ex-O.-A.-C. man, the
writer is, and many who are most enthusiastic the present movement have been in close tou with the Winter Fair for years. Those intereste is no royal road to learning, still they all fee convinced that if the knowledge disseminated at the Winter Fair be given in a more digestible
form, more attractively and conveniently served, form, more attractill be assimilated.
Mr. Dryden seems to be of the opinion that the object in view is the establishment of a purel spectacular exhibition, such as the chicago
national. Referring to the Winter Fair, he speaks of the presence of a few animals of supe rior quality, and, again, "The show fails in it highest usefulness unless the very choicest spe mens are present for inspectiol.
true, but will Mr. Dryden tells us how we are get : ، ${ }_{\text {a }}$ few animals of superior quality very choicest specimens "if there is not some in ducement for those who have them to bring such
animals to the show? These very ideas-having animals to the show? These very ideas-having
the best at the show, and continuing the show as at present at Guelph-are as opposite as the poles. Two things attract exhibitors to an
hibition: prize-money, and the advertisement hibition: prize-money, and the advertisement
cidentally procured, besides always the credit winning, or the desire to learn. Mr. Leask did not bring Roan King, the famous Champion steer, to Guelph for two reasons: there was no pri worth winning, and he chere. If the winter Fair vantage if he West Toronto, the chances are Roan King would have brought as fancy a prive as he did at Chicago, owing to the competitive desire prize-money, a judicious presentation of spectacu-prize-monts each day would attract sufficient city people to the show to endble the management
offer prizes of special inducement. With prizes of offer prizes of special inducement. With prizes of such a character to place the best possible on exhibition. Under such circumstances only can Mr. Dryden hope to have "the choicest" on inspection. ${ }^{\text {an }}$ arena, combined with lecture-rooms, waiting and other necessary rooms, as suggested in Mr . Dod's plans, information could be placed before those desiring it in the most approved mancer possible.
Mr. Dryden frowns on the introduction of horse exhibits at the Winter Fair, still he says information in regard to the horse industry migh
profitably be given. profitably be given dustry is one of thost neglected of all the various lines of farming, and one which ca
through proper teaching, be made the most pro through proper teaching, be made the most prof
itable. From experience, I would say that noth ing teaches so well as close competition in the ring, and if horse classes were discussed as fully as sheep and cattle classes, the horse business would be revolutionized. To show a fair, let us
nitude it is possible to bring such a imagine there were clases as good as the Amos
heifer exhibited for comparison only at the last heifer, exhibited for comparison only at the last
Winter Fair. I would venture to say that if there Winter Fair. I would venture to say that if there the Fair, the champion wouldn't have been within calling distance of the top. This but shows the possibilities of a good fair, held under proper con-
ditions. It has been experienced many times, at ditions: It has been experienced many then, at
big auction sales of live stock, that, when those big auction sales of live stock, good dinner, the bidding was brisk and hearty,
Likewise, if, under similar conditions, these men, Likewise, if, under similar conditions, these men,
in a happy frame of mind, sit around a ring where in a happy frame of mind, sit around a ring where
knowledge of live stock is being disseminated,
more will be mentally made use of than under more willy-lighted, prorly-ventilated,
any badit
conditions, such as prevail at Guelph. conditions, such as prevail at Guelph.
The Union Stock-yards Co., of West Toronto is one of the largest live-stock centers in Canada, where, through the energies of a few able men, magnificent facilities have been establishes of the handling of stock for sale. The busive stock on Stock-yards Company is to handle live stock ong. They wish to obtain the highest prices for their patrons, supply their customers with stock of bet-
ter quality, and generally advance the cause of
thy they should he inter-
understood, for, the better the quality, the higher
the prices, and the higher the price, the greater the crices, andission-more money for farmer, drover, stock commissioner, and more business whether in Canada or the United States, are vitally interested in live-stock improvement. The West Toronto Company is, unfortunately, not i
a financial position to spend $\$ 100,000$ or $\$ 200$ 00 in the erection of an arena, and of lecture rooms, to show classes and lecture thereon. They have made a proposition to the breeders of th country, whereby they could establish, not only
spectacular show, but an educational exhibition such as Canada has never seen. A spectacular show is of no advantage to the Union Stock-yards Company, but an educational fair wouresented by
estimable value. The proposition presenter Mr. Dods at a meetng of stock-breeders attending the sales held in the Yards in. February last, to which meeting, if I am not mistaken, Mr. Dryden
was invited, but could not attend, was, concisely was invited, but could not attend, was, concisely fit and co-operation between breeders of the various kinds of live stock and the Union Stock-yards
Co an organization, to be called The Canadian National Live-stock Exposition Association, be formed, whose members should qualify by paying a life-membership of $\$ 100$. When one hundred members are secured, they are to meet and ap could proceed to secure four hundred additional life-members at the $\$ 100$ each. This would give a fund of $\$ 40,000$ or $\$ 50,000$. It this money is secured, the Stock-yards Company agree to supply the balance necessary for the erection of the nec
essary arena, as before mentioned. Had Mr Dryden been at that meeting, he would have been
struck with the unanimity of all present to form struck with the unanimity of all present to form


Celtic Prince (imp.) [5313] (12901)
$\qquad$ foaled May. 1904.) (5313) (12901) saying ouraging him to continue in his efforts saying the new men closely connected with the Winter Fair, the names of whom the sanctity of private conversation prevents is right.
they all agree that the idea is The present scheme-the formation of a Canadian National Winter Fair Association-is a chance or the influential breeders and stockmen to be come bande influence of such a representative good. The infuence of such a representativ ing rational consideration of agricultural probbe well for the proposed board to be independent of the Government, not accepting any grant, an so being unpledged and uninfluenced. way, and in this way only, a truly open can be conducted. In such a farmers' fair, any features may be given prominence that a coolheaded, clear-thinking board of breeders and farmers might consider best for the
For the information of those who may be ull informed, resolutions are before the various breeders' organizations for the consideration of the advisability of bringing about the amalgamation of the Winter Fair and the Spring Stallion
Show (Ontario Horse-breeders' Exhibition), and holding the combined show at West Toronto. As the mover of those resolutions, I may say I in tend to see the project has proper ventilation, kossible and when a reality, if properly managed, should prove of inestimable value to the Ontario farmer. I have no wish to detract from any good the Winter Fair, as at present conducted in return. I demand a serious consideration of this in return, which has met with almost universal ap-
es of breeders.
Mr. Dods has been
somewhat disheartensomewhat dishearten-
ed by the tardiness with which subscrip-
tions for the furtherance of this project have been coming in Perhaps this being a thing yor has some that. Perhaps some 1 ike to subscribe think the agitation
recently started was recently started wa pan. Right here, for those who have fully considered the mat
ter from all sides and have 1 is t ed among the subscrib-
ers. 1 may say we are all enthusiastic, we
are all serious, and are all serious, and
we are all werking
for what we con(yydesdale stallion ; foaled May, 1904: sire Fverlasting, by Pride; dam by Hia- the greatest busines Maple Grove, Ont.

Pembroke, said, "Enable us to place our goods in Canadian front windlows, and attract the
world by the display." Mr. Dods showed what other shows have done as to numerical and ar and ance, gate money, etc., and such a future of the proposed exhibition is assured
If this Canadian International were made
a farmers' independent fair, neither asking nor r
ceiving Government assistance, it could then taken out of the field of poritical influence and be exhibition, from the farmer's standpoint, we have in Canada. Farmers are the men asked to sult THE DUBLIN SPRING SHOW have the control of the fair, and can make the needs. The idea would be to offer prizes suffi
ciently tempting to bring out the best individ uals in every line of live stock, and taking the Winter Fair as a worthy example in this regard.
have these winners shown later in commodious lecture-rooms to comfortably -seated throngs of farmers searching for the knowledge thell own
lititeratity has made possible for them to acquire The show, as proposed, would be like the present,
Winter Fair in every respect, only far witclassing it in prizes offered, classes shown, entriws :and at
tendance. held within a few minutes' car ride from the hest Toronto hotels and boarding housis, in Show in confection of buildings suitabla for shat had huls in the country prior to the promulgaShow in the Province.
Why can not this progressive scheme mont with tion of the orders the Irish breders had no our the aumonal, not only of the press hut the all the prize were wained at home for was people as a whole? The writer has hern talking The weathor-always an important factor-was
the third; and a nid not constitute at all pleasan atmospheric conditions. In spite of the at tive of all parts of Ireland, as well as including a large number of welcome visitors from England Scothand ane of a record nature the stock re standing feature, as usual, being the Shorthorns of which no fewer than 633 head were entered.
The Aberdeen-Angus came next, with 159, and The Aberdeen-Angus came next, with 159, an Herefords had 100 representatives-these being ou three principa breeds. The other sections wer Dexters (our two native varieties), 42 and 44, re
spectively, etc., etc. All told, the number o (3) spectively, ered
cattle enter with 1,033 in the previous year. This show is especially important to the cattle at it each season a number of bulls are selected by the Department for service premiums, under their improvement schemes, and this time 153 Shorthorns, 40 Aberdeen-Angus and 24 Herefords
were chosen. To assist farmers who wish to buy were chosen. To assist farmers who wish to buy
one of these premium bulls, but who might b unable to produce the money straight away,
system of loans has been arranged by the Depart ment, and it is interesting to mention that over
50 of these loans were granted during the week gratifying to state that, since this scheme wa started, there has been no default in the case of loan, though some were given to men in very
humble circumstances. humble cir The farmer selected by the County Com mittee to keep a premium bull makes application t the Department for a loan (if he requires it). He
pays down one-third of the price of the bull, with a fee of five per cent. to insure it for twelve the outstanding two-thirds of the purchase money interest at the rate of $2 \frac{1}{2}$ per cent. being charged
and two sureties guaranteeing the repayment. and two sureties guaranteeing the repayment. inc, it may here be mentioned that this year new and successful departure was made in intro ducing an auction sale at the show. No less than
hetween four and five hundred head were entered between four and five hund disposed of, some them realized very fine prices, especially among the Shorthorns, thanks to the operations of $\mathrm{M}_{\mathrm{r}}$. Maclennan, the well-known Argentine exporter,
whom the Scottish sales were forbidden ground whom the soason, by reason of the disease outbreak Mr. Maclennan bought two bulls from Mr. H. J C. Toler Aylward, each, viz, Diamond Prince and both by the well-known prize bull, Diamond Link and first and second prizewinners, respectively, in
the senior twon the senior two-year-old class. At 170 guinea,
bought Mr. J. Bonis's Orphan's Diamond Royal, a third-prize yearling, and Mr. G. Dickson's Mile
J. Hall's Gold Leaf, and cross General, the latter a third-prize two-year-
old; and among the other lots which he secured $\begin{aligned} & \text { were some at } \\ & \text { smaller sums. } \\ & \text { s. }\end{aligned}$ For the Earl of Caledon's Caledon smaller sums. Bart., of Wales, gave 210 gs . The best price io
Herefards was 46 gs., and for the polled Blacks 65 g.
ghorthorns.- Shorthorns were given a number
of extra clacses, so that, instead of having two ior yearling bulls, as before, separate provision
was made for animals calved in each individual month, viz., January, February, March, April and -ured by this elaborate arrangement of the youngsires. Among two-year-olds three classes wera
given, instead of two, and there was the usual aged division. None of the Shorthorns were
Sensational merit, and the absence of cross-chan sensational marit, felt. There was, however, a very
nel plums was yood level reached, and many shapely, sappy sires
were found in all classes, especially among the were found in all classes, especially among fre
aged bulls. Two-year-olds were hardly so free from weaklings as in other years, but some very
|romising animals appeared amony the yearlings The Challoner Plate, which indicates the cham
pionship, was won hy Mr. 13. H. Barton, of Stral pionship, was won hy Mr. Bran, Scottish Boy, heavily and evenly-fleshed bund, of much quality and a first-rate one to handle, while his noble
crest and grand Shorthorn head, and beautifully crest and grand Shorthorn head, an cut of cham-
turned back-end, made him a stylish was Mr. Toler Avlward's two-year-old hiamond rell-ribbed and topped roan
He is a wed to. He is ombining grand substance with nice quality. The 0. the Farl of Caledon's Caledon Madel, a very handsome, level, roan. reserve to
the same owner's Caledon Courtier, a half-brother
to Model. Mr. B. Harton won the Challenge
Mo, for the best group of Sorthorns, and the for the best group of she best three Short
arl of Caledon the Cup for the
hurn bulls. Among females of this breed, Si

and helfers quality was much in evidence. Mr.
Wm. Duthie other judges of the Shorthorns were, Messrs. T. H. Hutchinson, Yorks; J. McWilliam, Garbity
Geo. Campbell, Aberdeenshire; and C. H. Jollifie Darlington. In addition to the exhibitors already named, the leading class winners included the following: Lord Carew, Co. Wexford ; Miss
Staples, Queen's Co. J. Wellsh, Co. Monaghan W. C. Brown, Co. Tyrone ; T. Porter, Co. Tyrone; F. Miller, Birkenhead; Wm. McDermott. Herefords. - While Shorthorns are pushing
ahead, these head these great white-face beef-producers are
only "marking time" in Ireland. They admirably suit the rich grazing lands of the center of our island, but their deficiency as dairy cattle tells against their general advance. The display on some previous occasions, when English exhibitors, including His Majesty the King, sent over some rare specimens. However, the home herds mals cuic as food if not better than at anitimes. The representatives of the late E. T. Dames-Longworth were very prominent, and two of the Challenge Cups were won by one of them, Minotaur, while this bull also made one of the trio that secured the Cup for groups. Major Hamilton, Co. Cavan; Mrs. Nugent, Co. Westmeath; Major Hillas, Co. Sligo; and last, but not
least. Col. Everard. Co. Meath, were the most successful of the other exhibitors.
Aberdeen-Angus. - This increasingly - popular Aberdeen-Angus. - This increasingly - popular
breed has a good way to go before it ousts the Shorthorn ; indeed, the prospect of such ever taking place is too remote to be entertained seri-
ously-under our present conditions. Still, its


Lady Hope of Ridgewood.
To be sold in Shorthorn dispersion sale of A. D. McGugan, Rodney, Ont.
progress as a beef breed is satisfactory to its ad-
mirers, and its influence in this capacity is freely admitted to be very serviceable. As with Shortelaborated this year among the younger bulls. There were bigger entries of the breed, and better quality was shown by the animals than formerly, Mr. Hum Bland, of Co. Wickiow, an firdent less than five first prizes, and also the Queen Vic toria Cup for groups, but the individual championship went to M. C. Dunbar-Buller, Co. Down, great scale and splendid furnishing everywhere over his massive frame. He is not a particularly
stylish bull, but his girth and roasts are enorstylish bull, but his girth and roasts are enor-
mous, and he is very evenly covered. Sir J. F. mous, and he is very eve the winner of the Cup for the best pair of heifers, with two very sweet blacks. The other leading prize-takers included Earl of Bessborough : A. J. Owen, Queen's
F. J. Robb, Belfast : E. J. Beaumont, Nesbitt. F. Kerries and Dexters.-Both our native breeds made capital displays. The first named are capi-
tale milkers, and, on the score of thriftiness, are without rivals among any of the present-day variraties. The little Dexters are more of the veety
type, and enjoy great popularity. They have i, i, en aptly described as "Shorthorns seen through the wrong end of a telescope." The chief prize
takers were Kerries-Mrs. Madden, Co. Dublin takprs were Kerries-Mrs. Madten, Co. Dublin
Ir. (A. G. Mahony, Co. Kerry : Pierce O'Mahony Co. Wicklow : the Duke of Leinster; and D. M. Ienry, Tullin: S. J. Brown, Co. Kildare: W. S
were some interesting displays, particularly of the are kept by Trish breeders. of those specimens prizes, Messrs. E. Bewley, M. D'Neill, G. R. Swaine, and Mrs. Madden, might be named. If space permitted, I should have liked to refer to the classes of agricultural horses (including Shires and Clydesdales). of Hackneys, Polo Ponies and Hunter stallions. Also of pigs, both black
and white ; of butter and other dairy produce, and white; of boutter and other dairy produce, plements shown through the halls, galleries and about the grounds. But I fear I have already exhausted the room which the editor can devote
to this big event, which possesses interest for all Irishmen in Canada, and doubtless many others, as

## SELLING STOCK BY LETTER

It is generally advisable, in buying breeding stock, to visit the herd or flock and make one's the animal he chooses, but also its sire and dam and family connections, and judge of its suitableness to his purpose, and of the probabilities of
its breeding true to the approved type. But when its breeding true to the approved type. But when,
owing to distance, or other reasons, this is not owing to distance, or other reasons, this is not
convenient or practicable, one may, by correconvenient or practicable, one may, by correcure very suitable animals, and, as a matter of
fact, a very large volume of business, in the aggregate, is transacted in this way, with, on the whole, very satisfactory results. In order to do this, the breeder who advertises his stock for sale should realize that not only his reputation, but his honor and character, are at stake in
the transaction of business where he has the advantage of "the
party of the sec-
ond part,", inas-
much as he sees and much as he sees and
knows the quality of the animal he
describes and prices, while the buye trusts him to do the square thing in
the deal. And, for the deal. And, for
the salke of his own no higher
the seller
reason,
should
deal justly with the the seller should
deal justly with the
man who trusts we believe breeders do act on this prin-
ciple, and are more particular in giving the buyer good
value for his money when so trusted when so trusted tion is made in per-
son, and on the son, and on the
buyer's ow $n$ responsibility. There
may be, and doubtmay be, and doubt-
less are, dishonorless are, dishonor-
able exceptions to able exceptions to
this rule, cases in
which the seller which the seller
considers only his and ships an animal he knows is not equal to the description given; but such a man is unworthy of sure to get into trouble as if he were looking for it. And he deserves nothing better, but will soon lose the respect and confidence of the public, and any good reputation he may have had. In conducting business by correspondence, the
breeder should promptly answer letters of inquiry whether he can supply the class of animal wanted or not. Undue delay in replying to letters indicates a serious lack of business ability and meth-
ods, and will lose a man trade ods, and will lose a man trade very quickly, for
it is probable that the inquirer has written more than one breeder, and may have given his order to one replying promptly, before some of the others are heard from. Replies should state clearly the price and terms of shipment. A copy of the letter written, or at least a memorandum of the contents, should in every case be kept on file. The business way is to use a copying press, which is
not expensive; but, in the absence of this, a very not expensive; but, in the absence of this, a very
good plan is to write on the back of each letter the name and address of the inquirer, the name of the animal priced, or at least of its sire and
dam, and date of birth, the price and terms, and dam, and date of birth, the price and terms, and
file the letters with others in a rubber band or a string, so that it may be conveniently referred
to. in order that the contract may be fulfilled to to. in order that the contract may be fulfilled to
the letter in every respect, in case a bargain is the letter in every respect, in case a bargain is
closed. There should in every such case be a clear statement and a fair understanding as to
furnishing the buver with a registered pedigree furnishing the buyer with a registered pedigree
and transfer. pither at the expense of the seller or the buyer, and a business man who recognizes the the buyer, and a business man who recognizes the
justice of the golden rule, of doing as he would
be done by, will attend to supplying the necessa papers with the least possible delay. The breeder who is careless or negligent in the matter of keeping private records of the pedigrees of his
steck, and of dates of service and birth, and of the sire used in each case, will surely find himself in frequent trouble, and will cause no end of trouble and vexation to his customers. The
business breeder will take an interest in seeing that stock sold for shipment by him is shipped in good condition, clean and free from lice or disease, with sufficient feed and bedding supplied
for the trip; if necessary, blanketed in cold, or for the trip; if necessary, blanketed in cold, or
shaded by a light covering in hot weather; and if the animal is tied in the car, will see that the halter does not draw too tightly on its head, and that the shank is long enough to allow the anistructions, if necessary, for feeding and watering on the way. If it be a pig or sheep or fowl, to be shipped in a crate, he will see that the crate is strong, sufficiently roomy to avoid cramping, portation charges are according to weight, th crate included. For small animals, half-inch lumber, 4 to 6 inches wide, for the side boards, is generally sufficiently strong, if well braced throughout is strong enough. It is a good plan to keen on hand a stock of material of standar sizes, ready for immediate use whal neded, and crates of different sizes may be made obusines breeder will have his address printed on his letter heads and envelopes, and address cards to tack upon his shipping crates or tie upon the halter
of the animal shipped, thereby advertising his of the and himself as a breeder of some consequence. The old saying, "What is worth doing, is worth doing well," applies with full force in
the shipping of stock, and is a paying proposithe shipping of stock, and is a paying proposi-
tion, since the business character of the man will be judged, to a considerable extent, by the atten tion given to doing things well.

## DIPPING THE FLOCK.

The external parasites of sheep are not very
numerous nor difficult to combat. Most trouble comes to the average flock from ticks and scab, both of which can be very readily kept under con-
trol.
Ticks are indigenous, but are easily disposed of. On account of their universality, ticks are a great annoyance and a serious menace to
the whole sum of one's profits. At this season the whole sum of one's profits. At this season the ticks to leave the ewes and take up their abode upon the lambs. If there is any considerable number of ticks, they will keep both the ewes and the lambs from thriving. It, therefore,
behooves any man desiring to prosper with his sheep to rid them of these
There are many reliable dips in the market, which there is none easier, cheaper, pleasanter, or
more effective to work with, than the coal-tar mops. It will not pay a man to take time to manufacture his own remedy. A 2 -per-cent. s lution-i. e., 2 parts of the coal-tar product 100 parts of water, gives a sufficiently strong
mixture. These dips can be obtained from your mixture. These dips can be obtained
druggist, or ordered directly from the manufacturer.
If a man has a very few sheep and lambs, he or by pouring from a coffee pot, but this method is not absolutely sure in its results. flock of twenty or more sheep, it will pay tain or build a dipping tank. except for ver. feet deep, and 20 inches wide, is sufficient. Make
one end perpendicular and the other end sloping, thus making the bottom but 6 feet long. These tanks may be purchased set in the ground. The sloping surface may be cleated, to enable the animal to walk out of the tank. Leading to the perpendicular end of the vat, have a narrow run-
way from a small pen. At the other end build way inclined platform large enough to hold a dozen sheep, and arranged that the drippings from the sheep upon it will run back into the tank. A small tank for dipping lambs may be made of matched plank, lions than 4 feet long by 2 feet 6 at top.
Fill the tank two-thirds full of the two-percent. Solution, having it as hot as you care to
keep your arm in continually. It is especially essential for sheep-dipping that the solution be hot. From the enclosed pen at the perpendicular
end of the vat, the sheep are driven along the end of the vat, the sheep are driven along the
narrow alleyway and jumped into the vat, care narrow alley way and them below the surface. one is dipping for ticks. they need not be held in any length of time; if for scab, they must he held in two minutes, and put beneath the surface
wwo three times, thoroughly soaking the scabs
ar
the draining platform until they are crowded
then turn them into their shed. Their damp fleeces will help disinfect the shed. Weak, thin sheep, if unclipped, often require
help in coming from the tank, since the added help in coming from the tank, since the adde load for them. Care must be taken with the lambs and smaller sheep that they do not ge
turned around in the vat and exhaust themselves in trying to get out at the perpendicular end of in tryi
the vat
A sl A sheep that is heavy in lamb should never be
dipped. The rough handling incident dipped. The rough handling incident to jump-
ing into the vat and climbing out is altogether too likely to cause abortion, and should not be permitted. This indicates that the proper time for dipping is after all have lambed, and prefer
ably after all are clipped. If there are only a few ticks upon the sheep one dipping is sufficient; if the ticks are numer ous, wait ten days from the first dipping for any
eggs to hatch, and dip again. This second dip eggs to hatch, and dip again. This second dip
ping. will clean the flock.
The sheep should in the fall The sheep should, in the fall,
winter quarters, be run through
winter quarters, be run through the vat again or treated by pouring. There is no pest causes so much loss. Let the man who has shee annihilate these parasites, if he hapes for profit
from his labor. Associate Prof. Animal Husbandry

PREDATORY ENEMIES OF THE WESTERN STOCKMAN
in At the National Live-stock Convention held brought forward by Mr. Wright, of Calgary, ask to encourage the destruction of coyotes, panther and wolves in Western Canada. The sheep in dustry, he urged, is practically at a standstill on account of the coyotes and wolves, and in British
Columbia on account of the panthers come to a stage, he declared, when people can hardly keep a stock of poultry. Foals and
calves also suffer. The resolution was eventual calves also suffer. The resolution was eventualGovernments of Western Canada to give the bounties, but some of the discussion is interest-
ing enough for reproduction ing enough for reproduction
Dominion Government should be asked for this assistance, Mr. Wright ingeniously replied
". Because it is a National matter. Take
sheep-raising in Saskatchewan and Alberta, it sheep-raising in Saskatchewan and Alberta, it is
going to be of great value to the Fastern men going to be of great value to the Eastern men
to supply us with stock. Besides, we did not put to supply us with stock. Besides, we did not put
the coyote there ourselves-it belongs to the Dominion. Laughter and applause.) Dr. Tolmic
might tell you what destruction they do might tell you what destruction they do to the
sheep in the West." sheep in the west
Dr. Tolmie (Vic
British Columbia, with its immense tracts of land fit for nothing else but sheep-raising,
the industry is held back because of these wild the industry is held back because of these wild eating frozen mutton thee is something
and the coyote is largely to blame for this con,
dition. On the Coast we do not have coyotes, but we have wolves and panthers. I know one thirty-five panthers in two years. The British Columbia Government during the last session in-
creased the bounty on the panthers, coyotes and creased the bounty on the panthers, coyotes and
wolves, from $\$ 7$ to $\$ 15$ a head, and that even with that inducement, the panthers get away with 6 per cent. of the sheep. In old
Mexico they were badly troubled with this nuisance, and by carrying on a system of poisoning they have got rid of them pretty well. In Ore-
gon they have also experienced trouble, but there. as in Mexico, the inhabitants all arranged to
make a raid on these animals in the month of make a raid on these animals in the month of
January, for that is the time they are pregnant. Then there is the plan of chasing them by dogs, There is one method of poisoning that works put it into two or three capsules and insert them into an egg or piece of liver, or a prune; then a
man takes a certain area, and he goes on horse back, dragging a bloody hide attached to the
horse, and scatters this poisoned bait along the horse, and scatters this poisoned bait along the
scented trail, being careful never to touch the bait with the naked hand, using a glove for the
purpose. With regard to bounties on these ani-
mals it should offer it. In Alberta they give a smaly lounty, and I do not think it would be impos
sible for the Dominion (iovernment to do as thes have done in (oregon, for if we can establish more the other parts of our country. Dr. Bell-1 do not think there is any special that is. $n$ covote tram Aherta cunn crass over to
Saskatenewan. and $T$ thereforec think that the To-

Dr. Rutherford-While this resolution sound very nice on the face of it, still I have very grea
doubts of the advisability of asking people doubts of the advisability of asking peo
Nova Scotia and Prince Edward Island crease the bounty on the killing of coyotes in A berta. This is a matter always dealt with the provinces. I remember when in the Man
toba Legislature, we increased the bounty wolves, to the very great alarm of a number of gentlemen of the legal profession, who though it a danger. The matter can be got over by the Provinces, given in each case. I remember, in the old Coun try, we used to be greatly troubled with rats,
and there was a rat-catcher who in one year produced 750 tails, and the next year double many heads. If he had produced the heads on the first occasion, I do not think the second regulations prevailed in the different Provinces, do not see that there should be any diffic

## THE FARM.

## THE BATH-ROOM IN FARMHOUSES

Fditor "The Farmer's Advocate"':
I was interested in the letter of S. C. J., in
your issue of April 23rd, on the subject of a bath-
room in the farmhouse, and particularly in the
scheme of a trough in the center of the roof, to run water into a square tank in the attic, and from that to the bathroom, where one can be ar ranged. The difficulcy in adopting that idea in that the roof is too low and the attic, where there is such a thing too low to admit of a tak of any considerable capacity of course the the case of new housec provision can readily be made for all the improvements suggested by your correspondent, and which are all sensible and practicable, at a moderate expense. But in old such where no calculation has been made for best use of what we have. We must make the be spared for the bath, or a part of a room, by putting in a partition for this purpose, I am reminded of an instance where a corner sactous cellar in a farmhouse was partitioned off arnished, and used for a shecting, oiled and heing heated at the kitchen stove, and carried in uinter by for the purpose, and the room heated not more than five dollars and stove costing ike that of a bucket so that it could a hande around, and used for heating a bedroom, if neces sary. The used water, in this case, was carried and was a very comfortable arrangement, which ary farmer handy with tools could construct at little expense. The absence of this convenience
in so many farmhouses, I am satisfied, is not due $n$ most cases, to penuriousness, but rather to Want of consideration, the idea prevailing that,
since it was not provided when the hause was
luilt it built, it is ton late to think about it now; while, Iy a little study, and at a very moderate ex-
puse, in many cases, it could very well be arranged. The removal or rearranging of a parti-
tion or two is not so serious a matter as people made much more convenient old houses might be some such changes. It has been the experience long ago, ahout as awkward in arrangement as diture of from conceiver, and which, by an expenSo much improved in their internal dollars, were the wife and family happy and steps, and to make
ing that was formerl of a dwelling that was formerly very and proud of a dwell-
factory. I am sure it is largely lactory. I am sure it is largely from want of
thought, rather than the will, that more of such hanges are not made, and the failure to provide
hathroom in most cases comes under this head.

SPLIT-LOG DRAG IN ALGOMA
Waper for bore a subscriber to your valuable
farmers down wast are, interested in the so many
ater 1). W. King splan in one of the April is
sues, using : x ? black-ash plank as t had no
$\qquad$
U. S. BULLETIN ON THE SPLIT-LOG DRAG. The Use of the Split-log Drag on Earth Roads, hy D. Ward King, is the title of Farmers' Bulletin 321, issued inciculture. It presents the subject of road dragging in fairly concise form, and also describes the construction and use of a ditch-cleaner. The 000,000 miles of earth roads in the United States, most of which must be maintained by some means more or less expensive. As indicating the cost of maintaining ordinary country roads per mile showin per year whout a drag, figures are submitted ties in the State of Kansas in 1906. The figures are taken from the official records of the country and show average cost ranging from $\$ 34$ to $\$ 52$ year. These figures seem high, and probably include expenditure on bridges, etc. However, we pended on for maintenance of earth roads, results are generally poor and cost high. As contrasted with these data, we have it estimated, on retained in excellent condition throughout most of the spring, summer and autumn months at an expenditure not exceeding $\$ 5$ per mile for dragging, plus whatever may be required for bridges, cul-
verts, and incidental outlay. We quote the bulletin as follows

## WHEN TO USE A DRAG.

The drag does the best work when the soil is moist, but not sticky. The earth then moves
freely along the faces of the slabs. If the roadway is very bady rutted and full of holes, it may he well to use the drag once when the ground is slushy. The treatment is particularly applicable lefore a cold spell in winter, whe
to have a rondway freeze smooth. $A$ smooth road surface is seeured by this method. Clay, when mixed with water and thoroughy worked, becomes remarkably tough and
impervious to water. II
compacted in this conimpion, it becomes extremely hard.
Another valuable restult of dragging is the reduct ion of dust for the particles of clay conere 4it tenaciously that there is sut intete wear when
the surface is smooth. 1 Dust on an earth rood is due to the breaking up under traftic of the
 It the surface is smoothed atter each rain and
the rond dries hard and even, no eeges are posed to crushing, and the only dust that forms is that due to actual wear of the road surface. There are so many influences at work, and condill tons are so varied in duterenn tocaneral rule for




 (ixid. wash, etce the wer gs and experience gained Whit dragging the roadiany. however, in which
There os on ond
ondit one
 Too high in the center. To correct this. ths pead



 7n the surface. cosclussions. from the per. The advantages to be gained from the per.
altornt use of a road draak may be summarized as
allows Me maintenance of a smoth, servicable
arth roned, free from ruts and mudholes





A DITCH CLEANER The following description of the construction Farmers' Bulletin, 321, prepared by D. Ward King for the U.S. Department of Agriculture device for cleaning ditches it consists guide plank, 2 inches by 12 inches by 12 feet, and a moldboard 2 inches by 12 inches by 8 feet. Thase are braced with a cross-piece 3 iect long,
as shown in figure. The moldboard should be shod with an iron plate ${ }^{4}$ inch by 4 inches by 3 feet, held in position with $\frac{3}{8}$-inch bolts, countersunk. The crass-brace should be hollowed 3
inches on each side at the middle, the hollowing

in begin not less than 4 inches from each end, moldhoard planks shall not be shortened, nor the
nailing space decreased. This is done to prevent earth from heaping up in front of the brace. A light platform is needed to make the use of the ditcher safe. is made as shown in figure, the
The hitch in length, and the long side 8 feet 3 inches. The chain is made to pass over the moldboard, so that it may clear itself more readily. Two or three horses, according one necessary to clear a ditch. lar condition, are necessary to clear a ditch. a weight of about 200 pounds should be placed over the front end. The essential thing to be
gained is to have the ditcher maintain a smooth,

THE SILO FOR SUMMER FEEDING. In most years we suffer from intense heat in midsummer, and pastures are often seriously shortened because of drouths. When we are fully ready to with good sioes, we these drouths, and will not allow the heat and flies to so annoy the animals as to cut down a large part of our pos-
sible profits. Dry forage is unpalatable in sumsible profits. Dry forage is unpalatable in sum-
mer time, and root crops cannot be made availmer time, and root crops if we desire them. Our only safe reliance for midsummer feeding, therefore, must be the silo. Some seasons pastures remain fresh right through, when rese are excep-
dant and well distributed, but these tions. The first available crop for soiling or to
supplement the pasture is clover. This the dairysupplement the pasture is clover. This the dairy-
man should always aim to have, and, if pastures man should always aim to have, and, if pastures
begin to get dry about the first of July, feed the begin to get dry about the first of July, feed the
cows some wilted clover or new clover hay. You will be surprised to see what it will do for thom; and, in fact, there is nothing better than a suc-
cession of clover cuttings until the fodder corn is ceady for the knife, for, of course, if you are ready for the knife, for, ored for any emergency with a good patch of fodder corn, but generally
this crop is not far enough advanced for economthis crop is not far enough advanced for econom-
ical feeding before the latter part of August or ical feeding before the latter part of August or
first of September. To those who have siloes, the summer ensilage, carried over from last, year's crop, is excellent feed to supplement the pastures,
and much more convenient to feed than any soiland much more convenient tould be a great economy of land to reduce the pasture and provide ensilage for the whole year. But many have not yet built siloes; in fact, a small percentage of farm-
ers have them. Pasturing cattle is an expensive ers have them. Pasturing catte is an expensive goes, and can only be practiced to advantage where this is cheap. As the land increases in value, more stock must be kept on the same area
in order to correspondingly increase the profits
from the land.

Nonpareil Count (53215)
Shorthorn stock bull, four years old; included in dispersion sale of the Glenora to feed grain in in any large quan-
tity, but the pasa tity, but the pass-
ing of the coming of the com-
ious, and the change
dairyman is aware.
even surface on the bottom of the ditch. There is then no olsstruction to the flow of water. This requires that hard, high placed be reduced. This result is obtained if the driver shifts his weight forward or backward as a high point or a mud-
hole is approached. If the driver shifts his hole is apppoached. If the driver shifts his
weight forward the point of the ditcher is driven into the ground; if he moves back, the pressure on the forward end is relieved, and the chailes clearing the ditch, the ditcher assists in preserving the slope from the side of the road
to the hottom of the ditch. This keeps the road safe from possible accident to traffic from ditches with 100 alrupt slopes.
MANGELS AND TURNIPS SOWN TOGETHER
Editor "'The Farmer's Advocate"
Ue always sow swedes with mangels. Last vear our mangels were not more than half a crop, lnut the turnips grew finely, and we had a big crop
There is not the least danger of the turnip seed runnine out of the drill first. If the mangels
are thick phough, then hoe out the turnips.

c 0 mes in as a
naterial aid, and material aid, and,
by its adoption either alone or in
connection the soiling syspossible at least twice the
number of animals number of animals
on the land than
can be done under can be done under
the more primitive the more primitive
system of pastur system of pastur-
ing in summer and feeding dry feeds
in winter. in winter The cows cannot be neglected do their possibl best next winter
There is as muc need for feeding need
skill and intellit
gence in the dairy gence in the dair;
during the seaso during the season through the time of stabling. If the
pasture is suff pasture is sum tenance and pro ductive needs $o$ the cow, it is comes of the pasture careless dairyman is aware. Good dairy management is not in feeding to regain the milk flow that has been lost-that has
been allowed to diminish below normal-but in guarding against such falling off. Those who gave summer siloes, with an ample supply of feed for the coming summer months, will not worry
greatly about weather conditions. They will greatly about weather conditions. They will
realize the inestimable value of summer silage as they never have before. Farmers who have not this feed will have to resort to the use of other and perhaps more expensive feed to supply the
required amount of nutriment during the summer. Last year, however, should be a warning to dairymen to be prepared for similar conditions in the future. The value of this feed warrants its extensive use in the feeding of dairy cows
I have often been asked what is the best variety of corn to plant for the silo. From my past
observations and the experience of numbers of users of siloes. I would answer that the largest
user variety that will mature in your latitude, and the one that will give you the most tons to the acre is the best, as only matured corn will make good
a little
mistake must not be made of planting it
thickly. about right for a maximum yield of ensilage. The about right for a maximum yield of ensilage. The
ears will not be so large as with thinner seeding,
but there will but there will be more tons of silage. The cul-
tivating of silage corn should be as thorough as for any corn crop, and it is safe to say, the more thorough the cultivation, the better the corn Many mistakes have been made by planting a variety of corn which will not mature. The co
should be cut at the stage of maturity when should be cut at the stage of maturity when trients. This is when the kernels are well glazed and beyond the roasting stage, but not dead-
ripe. Then every portion of the plant is eaten. ripe. Then every portion of the plant is eaten,
and is not only palatable, but it contains a high coefficient of digestibility. Should the corn get
too ripe, or beyond this stage, it should be well too ripe, or beyond this stage, it should be well
wetted down with water while going into the wetto, and you will have good results. I believe that the next day after the silo is filled, the top should be wet down, using as much as two or
three gallons to the square foot of surface. This three gallons to the square foot of surface. This
settles the top and prevents its drying out too settles the top and prevents. The corn should
much with the heat generated.
be cut, if possible, one-quarter inch, at the long be cut, if possible, one-quarter inch, at the long-
est. The shorter it is, the better and tighter it will pack. When you do not use a pipe down the
silo, two men should be inside, so as to thoroughly distribute the ensilage, tramping and packing it tight around the edges, and keeping the outside higher than the center. Be sure to get the ensilage thoroughly mixed, not letting the light other, and leave air-spaces. This should not be overlooked, to get the best results. If your corn
becomes too dry, be sure to wet it down well becomes too dry, be sure to wet it down well
with water. After your silo is filled, no matter how well it has been tramped down and settled in filling, it will settle unevenly, and unless it is levelled off and tramped well three or four times after it begins to settle there will be considerable
loss of ensilage on top. By carefully levelling the silage every morning for three or four mornings after filling and tramping it thoroughly around the edges, and with the wetting on top,
this loss will be reduced to a minimum. A stream of water as large as a lead pencil, or larger, should be constantly run on the blower or carrier. In this way, fairly good ensilage can be become dry Every man who has a silo in this becinity is delighted with the results. There are no complaints about difficulties in filling them, as there were in the early days of the silo ; only
compliments are heard. All congratulate themselves that the fodder is put away where it can be conveniently fed at all times. Prepare for future dry summers by cultivating more corn and building an additional silo, if necessary.

## SILO BUILDING

## Editor " The Farmer's Advocat

whiles get a glint at "The Fármer's Advo cate," and read a few articles on siloes, the cost of them, how cheaply they are built, and how
little cement is used. I will give you a list of several siloes erected in this locality, and the cost of them, as near as I can
all the stone $I$ could put in barrels of cement, and inside and 30 feet high. walls 16 inches thick at the bottom, and 6 inches at the top : $2 \frac{1}{2}$ feet at the bottom, and 6 inches at the
in the ground. Cost for building, $\$ 80$
 stone bedded in ; $37 \frac{1}{2}$ feet high, and 14 feet in
diameter inside ; 4 feet in the ground ; walls 18 inches at bottom, and 6 inches at top. Cost
$\$ 90$ for building it, and the boys helped a day or two. Mr. Holtby put the cost of his silo $\$ 300$, and he is not stretching
feet inside; $2 \frac{1}{2}$ feet in ground; 6 inches at top, 47 barrels, of cement used, no stone. Cost $\$ 82$ for building, and Mr. Anderson worked four days Alex. Begg's.-Twelve feet inside ; 30 feet high
feet in the ground; 2 -foot walls at the bottom and 7 -inch at the top; 35 barrels of cement Cost $\$ 75$ for building, and Mr. Begg said it wa a model. will think there was a fortune made at these prices, but it is not so ; there is more
money made ditching at 15 or 20 cents a rod, with less expense, and not so far to fall before he trikes the ground. There is over all the mixing by hand. We use a box 3 feet square, turn it three times dry and two wet, and we mix it suit the man we are building for.
> , $\frac{8}{8}$-inch iron rods to strengthen the walls.
> s. Will they crack ? They are apt to if you
$\qquad$
is better : it will have a better chance to stand
on end. What is the difference between a stave silo and a cement one? You can put up a stave silo for one-half of the money; but you can buy a pair of shoes for $\$ 2.50$ or for $\$ 5.00$, and some big interest for your money. Some jump at the dig interest for your money, Some jump at the Some men get a cent that close to their eye that they can't see a doliar past il. ${ }^{\text {dollars' }}$ worth or cement and one or mor rods of iron will be like the five-dollar shoes, giving better satisfaction and 5 per cent. interest on the money invested.
My writing is not very good, and my spelling is worse, but I cannot help it. I was "hirdin
craws off the tataters." when I was little and should been at school. when I was little an
DAVID STEVENSON.

## GROWING AND HARVESTING ALSIKE FOR SEED

Have seen in your paper lately inquiries as to growing and harvesting alsike clover for seed I thought I would give you my experience with is heavy clay as straw, you do not have the quality of seed. have heard that buyers say the best sample seed obtained in ontario is grown in Mearivay Township, Mida
One year I went over it with the mower about the end of May, and had a good crop of seed. Another year I pastured it for a time, but dry weather came and the crop was a total failure. to mow nor pasture, especially on the right kind of land.
As to harvesting, a large majority of farmers cut their clover before it is all ripe, and thereb lose a great deal of seed, as the green and unma tured seed dries up and blows out with the chaff This is one principal reason why there are so to cut gielas. When chover is ripe enough stalks dead almost to the ground. The mistale is generally made through failing to make a close examination. It often occurs, when the season is hot and dry, that the heads of the clover will ripe; but, examining closely, you will find that the insides of the heads and stalks are perfectly green and the seed in half of the heads is not yet in
the dough, and, of course, all such seed, if cut in that condition, will be a total loss.
C. R. M., of Peel Co., advising cutting by means of a mower with table attachment. Now, fo some years I have been using bunching attach
ment, with which the above is not to be compared. I have also been told by others that they would not be without it under any consideration
Middlesex Co., Ont. WM. L. CORBETT.

SOWING MANGELS AND TURNIPS TOGETHER.

## Editor "The Farmer's Advocate

Re sowing mangels and turnips together,
have mixed Yellow have mixed Yellow Intermediate mangel an
Hall's Westboro Purple-top turnips together fo
five or six vears with grain drill to sow them, putting mangel seed in acre, and the turnip seed in the grass-seed sowe tube to the grass-seed sower to carry the turnif seed down into the drill hoe, letting the two
rubleer tubes rum into the one drill hoe. Sow early as the tenth of May, if possible. Turnips
will come up in about a week, and they can be seen in the rows to scuffle before the mangles ar

## Middlesex Co., Ont.

FAIR DATES FOR 1908.
June 18th to 20th.-Galt Horse Show, Galt, Ont.
June 18th to 27 th. -International Horse Show, Olym
$\qquad$
June 29th to July 9 th.-Dominion Exhifition, Calgary July 11th to 17 th. - Winnipeg Industrial Exhibition.
Joly 21 st to
24 th. - Highland A A 1, 200 ware Twentioth Century, cloththound

## THE DAIRY.

## DAIRYING IN WISCONSIN

10 review in one article a report like the an nual one published by the wisconsin Agricultural like summing up a man's life by saying i. He is born a man, and died a farmer 60 years after," cate order to give readers of The Farmer's Advoin the 24th renort from this argressive contained Station, we give the list of dairy subjects treated

> The University Dairy Herd.

Tests of Dairy Cows. th's Johanna (this is the champion Colantha America)

Variations in the Amount of Casein in Milk
A Simple Mechanical Method for the EstimaInfluence of Metals on the Action of Rennet.
The Chemistry of Milk Curdling. Alkaline Milks The Coagulation of Fresh and
An Automatic Cheese Press.
Bacterial Content of Machine-drawn and Hand $\underset{\substack{\text { awn Milk } \\ \text { Distribut }}}{ }$
Distribution of Cell Elements in Milk, and We shall divide the subjects into two parts chemical and physical properties its

THE COW.
The first article deals with the Station dairy the investigation has been to study the relation between the composition of rations and the production of dairy cows, with special reference to the influence of a high versus a medium protein economic production of milk and butter-fat" " The average production per cow for the year, or the herd of 23 cows, was 7,413 pounds milk, The average cost of the feed per cows was $\$ 36.65$. The average value of milk products was $\$ 80.85$, leaving a net profit over feed of $\$ 44.20$ per cow, or the year ending June 3oth, 1907. The varia3,333 pounds to 12,019 pounds. The variation in pounds of butter per cow was from 209 to 480. The gross value of products (butter and skim milk) varied from $\$ 46.50$ to $\$ 108.43$; the het profits The average live weight for the herd was 1,044 pounds. The number of days which the cows nilked was 331 per cow. Commenting on the cow Johanna gave milk 316 days during the vear and produced $11,188.9$ pounds of milk and 407.12 pounds butter-fat, equivalent to 475 pounds of $\$ 108.43$, and the cost of her feed $\$ 42.27$ making a net profit of $\$ 66.16$, which exceeds that of any
other cow. A year ago Johanna ranked second in the herd in net profit yielded, with a produc-butter-fat, and a net profit of $\$ 64.59$." ${ }^{\text {n }}$ We are also told that this cow produced, as a four-year-
old, 14,856 pounds milk, and 633 pounds butter Evidently, the "Johannas" are doing well in Wisconsin. Two Jersey cows rank second and
third in net profit in the herd for the year. The Johanna cow, and the Jersey which ranked third in profits, each have a fine calf in addition to the
net profits on milk products. Where is the anicow for the farm that comes anywhere near the F.CONOMIC WINTER FEEDING "' The seven cows which averaged in production
more than one pund sumed, on the average, 19.5 pounds of dry mateer, and 1.70 pounds digestible protein, for each which of butter-fat produced. The five cows pound of butter-fat per day, consumed, on the
average, 46.5 pounds of dry matter, and 2.97 pounds
duced. These fige protein per pound of fat prohaving fall cows for emphasitable the importance of and butter-fat during the winter, and, in case
cows are not fresh, the importance of exercising cows are not fresh, the importance of exercising
great care to foed them according to their production. Cows which are high producers can coning as high as two or three pounds of digestible economically; while cows to which are advanced in
lactation and are low froducers should he fed less rrain and freds of a cheaper quality, if they are mbun

$\qquad$
prices for feed usually prices for dairy products during a season like 1901

The Experiment Station
official and semi-official te
official and semi-official tests of cows tested in the State. More than a dozen men were em-
ployed in testing the 345 cows tested during the year. This is a great showing. Breeders of
dairy cattle in Ontario will lee glad to know that a permanent man has been recently added to the
Dairy Staff of the Ontario Agricultural College to Dairy Staff of the onts.
supervise official tests.
Of the 345 cows tested hy the Wisconsin Sta-
tion during the past year, 233 were Holsteins, 99 Guernseys, 6 Jerseys, 3 Ayrshires, and 4 grades.
(5) The tests furnish brecders of dairy cattle with of eeding operations systematically, with the best possible assurance of succes
The writer goes on to say: "' The evident
trend of opinion among progressive dairymen and tudents of dairying is to the effect that tests conare of the highest value for determining the ca-
pacity of a cow for dairy production, and for
this reason we urge our breeders to make provithis reason we urge our breeders to make prov
sions for having such tests made, rather than for A WONDERFUL RECORD. The record of Colantha 4th's Johanna w
supervised by the Wisconsin Station. It pointed out that this cow in 24 hours produced 5. 1-3 pounds of commercial butter. The ration
fed to this cow was as follows : Thirty pounds corn silage, 35 pounds sugar beets, 10 pounds
clover hay, 21 pounds meal, made up of equal parts, by weight, of wheat, bran, ground oats and gluten feed, and 3 pounds oil meal. If we
understand the foregoing, the cow was fed 24 understand the foregoing, the cow was fed
pounds meal daily during the seven-day test in pounds meal daily during the seven-day test in
which she produced 651.7 pound milk, testing
nid 4.32 per cent. fat, and produced 28.176 pounds
milk-fat. If we add onesixth to the fat in calculating the amount of butter which could be
made. we have 32.872 pounds butter, or an avermade we have $4 \frac{1}{2}$ pounds butter per day for the 7
age of over ${ }^{2}+\frac{1}{2}$
days. During these 7 days, the cow consumed in her feed, in order to produce 100 pounds milk,
45.1 pounds dry matter, and 6 pounds digestible 45.1 pounds dry matter, and
protein, or a total of 33.3 pounds total digestible
matter. To produce one pound of milk-fat she required 10.6 pounds dry matter, 1.4 pounds digestible protein, and a total of 7.8 pounds di-
gestible matter. This is a remarkable slowing, gestible matter. This is a remark is one of the
and again proves that a good cow ond
most economic consumers of rough feed for the production of fine human food. There is food for
thought in the foregoing records of feed and milk thought in
froduction.

STABILITY IN BUTTER PRICES glance over the review of the United States - iull of encouragement for those engaged in the lutter business. In the main, the conditions pre
wiling in Canada are likely to correspond with vailing in Canada are likely to correspond those in the Republic, for in both the consump
tion of butter will steadily increase, and the bet twr it is the more of it will people eat. In so lar as prices are cone
highest in twenty years, being about ons cent
and i supply in the great markets of Boston, New York and Chicago, and it was not till December What the first tub cleared from New York port for Furope, the total out-go, some 36,700 packages,
lowing the smallest in a dozen years. The growing population and higher standards of living in
America are evidently causing the demand for the finer food products of cirilization the public attention
of the supply, despite all ther
the spread of the separator.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


GOOD DAIRY HERD RECORD. For a good many years past J. H. Grisdale, Agrifinturn interested himself in a very practical way in the has interested himself in a very practical way in blank
work of dairy-herd improvement by selection. Buples.
ruled forms are sent out to anyone who applies, which rulled forms are sent out to anyone who applies, which
facilitates the work of keeping track of the daily milk aciilitates the work of keeping track of the daily milk
production of each cow, while blanks for recording the production of each cow, while blanks for recording the
feed consumed are also available. Many hundreds of
dairymen null dairymen all over the Dominion have thus been inter-
ested in cow records, and from the reports supplied by them Mr. Grisdale obtains many interesting data. He a herd belongina enough to favor us with the report of 1906 and 1907. The report affords an excellent example of what can be done by careful feeding and study
of cows. It will be observed that they did much bet It will be observed that they did much bet
their cows in 1907 than in 1906, probably due to better feeding and management in the light of Summary of milk record for the year 1906 No. of days No. of Lbs.
pach cow was of milk from White Face milked. each cow. Age of Cow Dante Face
Valentine

| 302 | 10,032 |
| :---: | ---: |
| 298 | 9,574 |
| 297 | 8,138 |
| 292 | 7,510 |
| 275 | 9,441 |
| 299 | 8,631 |
| 283 | 9,185 |
| 277 | 7,959 |
| 2,323 |  |

8 cows in 10 months gave $70,499 \mathrm{lbs}$. of milk.
8 cows in 10 months gave an average of $8,812 \mathrm{lbs}$ milk per cow.
Cows milked an a werage of 290 days in year. Cows milked an average of 290 days in year.
Cows produced a daily a a verage of 30 los. of milk


## POULTRY

## BROODING YOUNG CHICKS

Second part of an article on Hatching and Rearing ckens by Natural Methods on the Farn
John H. Robinson. The part devoted
hatching appeared in . The Farmer's Jhatching appeared ine " The Farmer
Advocate" of March 19th.]
For brooding chicks, the farm has great ada farm too small to give fowls free range without their trespassing on neighbors, has advantages iar surpassing those of the town poultryman, what must make up for lack of natural advantages by
special care to provide varicty in food, to maintain a healthful cleanliness, and to guard against the evils incident to the crowding of chicks on limited areas. If there is no part of the pasture
or orchard available for small chicks, and convenient to house, it will certainly pay the grower
of chickens to give up to the smallest of them a prece of grass land as large as they need onat
would be a piece as small as they could keep the grass down on without killing it out. In an
ordinary season, this would be a piece as large ordinary season,
as required to place the coops about two rods
apart ench way, and have a margin about two apart each way, and have a margin about two
rods wide outside the coops all around the plot. In a wet season, or where the growth was rank,
the coops should be closer together ; under the opposite conditions, farther apart. The loss of hay from the land given up to the chicks would
be at least in part made up by the heavier crop from the piece next year, for the droppings of the
chicks will distribute quite evenly over it a highgrade fertilizer.
Supposing a piece of mowing land, on which
the urass is well up, is to be devoted to the little the grass is well up, is to be devoted to the littl
chicks. It should be mowed before they are
placed on it, becauls., if left long, the chicks fraced on it, because, if left long, the chick
would get too wet running through it when the
dew is on it in the morning and on wet days; and so it would be necessary to keep them shut in
the coops more than is desirable. In respect to chicks running in wet grass, it may be said that rugged chicks are not injured by it in ordinary weather, when the sun and air dry them quickly,
and when the hen, confined to the coop, keeps and when the hen, confined to the coop, keeps
dry, and if wet and cold they can go to her and dry, and if wet and cold they can go to her and do not stand much wetting, nor can any chicks stand much wetting, if they cannot quickly dry
themselves after it. Let chicks run when conditions themselves after it. Let chicks run when conditions are favorable; at other times keep them confined.
When there is so much unfavorable weather that chicks would be shut in too much if this rule were followed, keep coops in the same places long enough to keep the grass short around them, and keep a dish of dry feed-shorts and meal
mixed dry will answer-beside the coop, that the chicks may remain near it.

If the plot given to the chicks is convenient to the house, the chicks will nearly always get better attention than if it is at a distance, because
then the care of the chicks will interfere less with then the care of some farms, where large numbers of chicks are grown, the men do the morning lose the coops at night, the women feeding them at intervals through the day. When it is too inconvenient to make several feedings daily, food may be kept by the chicks, but that practice is not to ber range than indicated by the arrangement of cbops suggested.
Ordinarily, coops placed in that way should be Oved their own width or a little more daily, ine is reached, then backward or forward the length of the coop, and back toward the original position. Moving this way is done when the
coops are opened or closed, and the time taken is scarcely noticed. The best results in growth and development
will be abtained by alternating hard and soft foods. Give a mash in the morning, shorts and meal in equal parts, with a little beef scraped added; a feed o'grain, mash again at noon; wheat or corn about 4 o'clock, and mash just be-
fore dusk. The grain foods may be scattered at fore dusk. The grain foods may be scattered at
the time the mashes preceding them are fed, if the time the mashes preceding chem are not, soil the grain too much before they eat it. When rain is soiled by theircoet, in a degree, poison ground or grass, it becomes, in a degree, poison-
ous, and dangerous to the chicks, just as filthy water To many, the idea of feeding whole wheat to little chicks may be novel, and seem absurd, but the writer has done it for the last fifteen years, and grown as good chicks and only very fine grain was given early. Chicks start slower on a diet in part of hard grain, but develop better digestive capacity, and later will
stand heavier feeding and develop better than stand heavier feeding and develop better than
those kept too long on soft food. To keep chicks free from lice, dust them with insect powder when taken from the nests,
or four weels. or four weeks.
By the time the chicks have outgrown their first piece of ground, there should be transferred. For the weaned chicks, coops about three feet by coops " by poultrymen, are as good as anything. These may be placed on mowing land after the first crop of grass is off, or at the edge of a corn-
field, where the corn is well started, or a piece of asparagus on which cutting has ceased, or anywhere that the chicks can have room without damaging anything. In general, it may be said that, when they can do no damage, they always ding chicks is to give them plenty of land room. Many poultry-keepers are careful to keep coops scrupulously clean, but are rather indifferent about
soiled and contaminated ground. This is not strange, for the great advantage of a good range is not often apparent, except to those who compare the development of chicks on land that looks it, and on land that furnishes more liberal range. After fowls are grown they will stand close confinement, but growing chicks should have room,
and if limited for room, must have special care and, if limited
The feeding of chicks after weaning should conlinue along the line on which they were started. Enless the 1and furnishes an unusuar arnive feeds a day, until they begin to be indifferent at some of the feedings. Then omit one feed-the soft leed at noon. When this point is reached, the chickens will get along very well with no atten
tion between the time the hard grain is given then between the time the hard grain is give
therning and the time for feeding it n the evening. At both feedings it should be well. scattered, and the evening or afternoon feeding should be several hours before sundown to
give them ample time to eat a feed of scattered
grain. Then, just before dusk give them all the
mash they will eat. They will eat quite a hearty
meal of this after they have fed to a surfeit on
grain, and will make growth proportionate to the
quantity of food eaten.
PREPARING FOR NEXT WINTER'S EGGS.-II The first point in getting plenty of eggs next winter has been attended to already, viz., hatch
ing eggs which come from a good hardy strain ing eggs which come from a good hardy strain That is to say, don't let the growth of the chick be checked, even for a day. It cannot be made
up later on. Keep them growing until they are mature pullets in the early fall. By this, I do not mean to feed them highly so as to get flesh
or fat. It is better to pay chief attention to getting a healthy, hardy constitution, which the result of plenty of exercise and of natura eeding, which they will obtain in an orchard run supplemented by all the grain they want. After
the crops are harvested in the fall, the fences the crops are harvested in the fall, the fence
separating the orchard from the garden or ron fields can be taken down (it is a good plan to
have them portable), and the pullets will find the conditions exactly right for bringing them to ma turity. The cockerels can be separated and placed in another run as soon as sex becomes distin guishable, and fed for rapid fleshing
on towards maturity by the time cool be well begins in the fall. The house in which they are to spend winter quarters should now be made
ready, so that they may become accustomed to new surroundings by the time they have arrive at the stage to lay. This should be some time in Sctober or early November, as, if they reach the season of real winter in an unproductive condi
tion, egg-laying may be postponed until early spring.
The processes of a successful chicken man gen erally develop gradually, one improvement lead thg to another. This is particularly the case in
the matter of housing. The simpler the accom modation, however, the better it works. The keynote should be to get as near the condition prevailing in the natural egg season as possible and this is approached most nearly by a combina
tion composed of fresh air, without drafts, sur shine, and plenty of exercise. To meet these re quirements, different people have very differen
ideas and methods, but I have come to the con lusion that the following is hard to the con house should face the south, and the southern wâ should comprise at least one-third souther combination will render it bright, warm. dry. The roosting compartment whould be airy and closed, so as to avoid drafts, the floor of the same being represented by the dropping-board allow room for nests, and yet give all the floor space to the hens. The nests should be attached n, but detachable from, the dropping-board, so the back wall of the roosting; they should fac as to be dark and quiet, and should have an opening towards the back, from which the eggs
are readily obtainable are readily obtainable. On very cold nights, a
burlap curtain, from the top of the roostineroom to just below the edge of the roostingboard, will give all the warmth, additional to the
animal heat of the birds' bodies, which is required. On the floor of the house, formed pr
erably of clean sand, at the heginning of fall. place as much litter, in the shape of dead leaves, straw. etc.. as I can lay hands
this I throw their grain whieh wheat, but varied with corn, consists mainly of birds will keep themselves busy and warm, the in best condition for egg-laying. I need scarcely
say that the greatest possible cleanliness should be ohserved, an occasional coat of whitewash
the walls and everything in the room being a tal which it pays to observe. In the winter
also. I place in the house a box or old tub) about
threequarters full which the birds can take a dust-bath. past winter. They are not offered with any id und that they are phenomenal
sure they would have been

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time to do exactly the ri
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right moment
sis square feet of floor-space. My thin require
Rock pullets had floor-space. My thirty Barred
(winter of 1906-07), when I only had twenty 1
this vear with thirty. Anyow In sirch
past winter's results just as I find them in my
daily notebook. The birds started laying aboul
the middle of Octoler, and laid: 1907-October
17: November, 186 ; December, 345 , 1908 -
will be noted that there was a gradual increas
tion had already become fairly large. The thing co do is to get a large number of pullets in good laying condition before that month, which can only be done by treating them so that thei development, from incubator to nest, shall go o without check or
York Co., Ont $\qquad$
A WINTER'S EGG-RECORD.

$\qquad$
ibbald.

## APIARY

## SPRING SESSION MIDDLESEX BEEKEEPERS

In spite of the somewhat unpropitious weather
pn Saturday, May 2 nd, there was an excellent
$\qquad$ res. F. J. Miller called upon Geo. Kimbal
n address. Mr. Kimball advocated a w
repository, made above ground, in preference to 4 inch hollow wail, then 12 inches sawdust, and outside of this 8 inches of a hollow wall. There was six inches of sawdust packing above. He also the cellar, and another taking the foul air from the cellar; both pipes went up in the air, like a
chimney. Tnlike most beekeepers, Mr. Kimbal chimney. Tnlike most beekeepers, Mr. Kimbal
did not consider the variations of temperature, as ad
a result of being above ground, injurious.
John McFwen in as cated outside wintering, but wanted the apiary sheltered from strong wind. His apiary was eas place angling across the rows where the west and south-west winds could strike. He had planted a
spruce hedge, and, until high enough, was using spruce hedge, and, until high enough, was using
lumber to break the wind, and this year he had nomber to break the wind, and this year he had
no loss. R. F. Holterma:n gave a similar in
$\qquad$
$\qquad$
$\qquad$

$\qquad$ used by the bees for brood-rearing

ers Association would carnestly point out pectors to sta Government grant and mon the disease known as we well to have an inspectore thought it would A pleasant event in connection with the m ing was the election of Mr. R. F. Holterman honorary membership in the association,
sideration of services rendered from time

INCREASING THE YIELD PER COLONY.
The recent convention of the beekeepers of Sin coe County, Ont., was unusually enthusiastic. T convention was held in Barrie, and presided ove
ly the president, C. H. Wilson, Hawkestone, Ont
The secretary Mr. Dennis Nolan, recoived the
$\qquad$ probably not more than ten per cent. being the
loss. The cause of loss appeared to be largely
due to improper and insufficient winter stores.
The safety of giving a heavy feed of sugar-syrup The safety of giving a heavy feed of sugar-syrup
stores in the fall was felt by several present. Almost everyone present reported that bees had c sumed an unusual amount of stores during $t$ ing should go out to beekeepers to prevent heavy losses during the present backward spring.
Arrangements had been made to have Arrangements had been made to have R, I.
Holtermann, of Branticrd, present. The subject
with which he dealt was. ". How to Increase the
ivare Yield of Honer that the average beekceper did not pive enough stores for winter. The hive should be contracted
so the bees would cover the combs. Shelter durof the bees would cover the combs. Shelter dur-
ing spring was very desirable; with high winds ing spring was very desirable; with high winds that of 1907, was a bad thing for bees. Where-
ever possible, the apiary should be sheltered from vind. and especially the prevailing wind. Mr. Holturmann advocated large hives, shade and
entilation, to prevent the desire for swarming. large colonies, other things being equal, gave the best yiclds, more hy preventing the hreaking up
of colonies, the beekeeper had more uniform colonies for winter, and they would winter bettor cood strain of Italian lepa mived bood in bees. A was what Mr. Holtan bees, mixed with Carniolan, hees, the only Holtermann aimed at in his own to pure Carniolan bees
eing the tendency to cwarm apiaries this was a serious, and, in running outne apairy, remaining with the bees all the he ran moving bees 1 short distance. question was asked as to the best time the distance was less than a mile, to anove them aiter the bees had begun to work on blossoms
$\qquad$

GARDEN ORCHARD
CHEESE-CLOTH SCREENING FOR CABBAGE PLANTS

CULTIVATION OF THE APPLE ORCHARD The apple is supposed to have been cultivated
over i, ooo years. Huring that time much has
been learned about tillage and general orchard management, yet, strange to say, in this orchard age the average Canadian apple orehard is han-
dled in a shockingly unintelligent and thriftless tions, and some whole districts, notably excepare famous examples of approved culture. Of late years, some few sections of Ontario are wak-
ing up to the possibilities that lie in improvel ing up to the possibilities that lie in improved in
in this Province bear fruit in spite of orchards
the treat
0 spraying. fertilizing and cultivation are commonly
neglected or indifferently performed. purpose is to consider cultivation. Our present
There are many ways but only two proper ones, and one of these should Se regarded as of but limited application. First
of all, let us mention four prevalent wrong methods. These are grain-raising, cropping to hay,
pasturing sheep, hogs or poultry hoed crops. The first two methods are the Worst, the latter ones have some compensating
features, and, while inadvisable as a general prac tice, they are not wholly bad. The advantage of fruit, thus waging a war of reduction on the troublesome codling moth; it also distributes
some manure on the land. The raising of hoed crop is preferable to cropping grain or hay beverization of the soil and subsequent surface tillage. Its special disadvantage is that the culti-
ration is liable to be continued too late in the
season, thus prolonging wood ing in the production of much tender wood that is cidental to the digging of a crop of potatoes and resulting in considerable krolonging growth the ensuing winter.
Aside from and beyond the specific objections Aside from and beyond the specific objections
urged against the above lines of orchard practice,
th. whole four are bad, because they exhaust the soil of moisture and plant food. In fact, the spring and early summer, when the tree is in duce growth and fruit. While any attempt to to be strongly deprecated, where it is resorted to
a short rotation of a short rotation of hoe crop, grain and clover is
probably better than to continue any one in-
dufinitely. But the orchard soil, after the trees come into
hearing, should be reserved as an exclusive feeding ground for the tree-roots. A bearing orchard
makes a severe annual tax on the plant food in the soil, and during a considerable part of the season
is liable to be heavily handicapped by lack of is liablue to be heavily handicapped by lack of
monisture as well, unless a liberal supply is conerved ivequent surface cultivation designed to
preserve a loose earth mulch. This brings us to
mention the two proper methods of orchard treat mention the two proper methods of orchard treat-
mnt. One is "sod culture," the other is clean In the sod-culture method, the practice is to
mow the grass which grows and spread it about the trees as a mulch. This, on rotting down, re-
turns to the soil the fertility that has been abstracted hy the growing eegetation. It is claimed cr-colored fruit. results in the production of high
Its chief advantage, however, is is adaptability for hilly or broken land. II the main. It is commonly and quite advancrop, such as clover, buckwheat, rape, oats or
rye, to the plowed under the following spring. rye to he plowed under the following spring.
Imer this system, tillage should commence as
early in spring as the soil is dry enough to work carly in spring as the soil is dry enough to work
well. by plowing not more than five inches deep
in "t young orchard, and not over four in an older
on". In the case of an orchard that has been onv. In the case of an orchard that has been the may sustain a severe shock by the mutilation
oi its many small feeding roots that have graduflls many small feeding roots that have gradu ther that some operation of tillage, such a Wht disking or harrowing, should be performed
ater , Wery rain of any account, in order to pre-
wint the formation of a crust. The early cultiant the formation of a crust. The early culti-
alion improves the physical condition of the Wiy hreaking up the particles, thus presenting
wreater feeding surface to the roots and in
water-holding capacity of the
roots of the tices, though, be it understood, that occasional manuring or fertilizing is requisite for Julp, cultivation should cease, so as to arrest growth and induce maturity of the new wood.
This result will be all the better secured, and at
the sane time the same time a supply of surplus fertility will be stored up for future use, by sowing a cover crop;
hut of this, more in due season. The thousands of apple orchards in sod all dian agriculture. They can almost always be told by the yellow, sickly color of their foliage and the small, uncertain quantity and inferior
quality of their fruit. It is false economy under quality of their fruit. It is false economy under
laking to eke an extra crop off the orchard. It requires a certain amount of nourishment to keep
a tree alive. a tree alive. To crop the orchard is generally
to deprive it of the extra moisture and plant food to deprive it of the extra moisture and plant food
that should go to the production of a profitable harvest of fruit. The apple orchard will pay handsomely, if given a chance, but the trees must not be planted too thick, and, on reaching bear
ing age, they should, ordinarily, have the ground all to themselves, with liberal cultivation and enrichment besides. Occasional seeding down may become necessary in such an orchard to check ex cessive wood growth and induce fruitfulness, but
most of our fruit plantations require more work


Bad Orchard Practice
ceds of all kinds, almost as high as the tree trunks
sapping the soil of moisture and plant food that should go to the trees. The foliage

## THE FARM BULLETIN.

## THE ONTARIO AGRICULTURAL DEPARTMENT

 ACTIVE.The Ontario Department of Agriculture is preparing for an energetic campaign during the spring and sum
ner months. Several of the branches have already mer months. Several of the branches have already
completed their plans; others have theirs under way. to enlarge the winter fair buildings. The live-stock branch is busy with plans for the en-
largement of the accommodation for the Provincial Winter Fair at Guelph. Twenty thousand dollaras was voted for this purpose at the session of the Legislature
recently closed. The City of Guelph is making a grant recently closed. The city of cuelph is making a grant
of $\$ 10,000$ for the same purpose, so that there will be $\$ 30,000$ available. The plans are not yet completed but will be ready soon. It is probable that this money
will be expended in the erection of a building paralleling the present one, and located at a suffcient distance to the north of the old building to admit of light to
to both structures. By joining the ends with cross struc-
tures an open court would be left in the center, ac cessible by a driveway under the second story, either THE FIELD-CROP COMPETITIO
The Superintendent of Agricultural Societies reports
forty entries in the field-crop competitions, as compared forth entres last year. This work has been greatly en-
with ten lated
larred this year and larged this year, and one hundred entries could be taken
aare of. The time for receiving entries from the secre care of the time for receiving entries from the secre24th. The success of Ontario agriculture dre.
pends primarily upon the field crops, whether the product is to be sold of the farm or fed to live stock.
Every effort to increase the yield and improve the quality of the crop should be encouraged. Last year 3,000 acres of crop. There was an average of twenty nembers to each entry, or fifteen acres for each ind
vidual farmer taking part in the contest. Figured on this basis, and an averate of twenty members for each
society, there is at date of writing a total of 12,000 acres represented in this year's competition, which will
probably he increased to 15, ooo acres when all the en-
tries inf in. The effect of this cannot but heve a

The seed fairs held under the auspices or the Agri cultural Societies Branch have been well attended. Th ful this spring There are several more yet to be held. The judges sent out by the Superintendent to these shows, have, judging from the reports received
given good, satisfaction.

> FARMERS' AND WOMEN'S INSTITUTES The Farmers' Institute Branch is preparing for its summer campaign. Five hundred Women's Institute meetings have been arranged for. The ladies who ar work have recently completed a two days' session a the Macdonald Institute at Guelph, where, under th tutalage of Miss Watson, they receiver pos, suggestions ast meot making the meetings effective in improving the home life on the farm. Several new speakers, some of them with experience in this line
work in other countries, have been secured. These give work in other countries, have been secured.
promise of being able to render valuable service in Women's Institute work
The Dominion and Provincial Departments of Agriculture will co-operate again in the holding of seed of which fuller announcement will be made late Messrs. T. G. Raynor and T. H. Mason, of the Do minion Seed D
A number of the annual meetings of Farmers' Instifutes, to be held in June, will be addressed by mem bers of the staff of the Ontario Agricultural College.
The organization of Farmers' Clubs has progressed very rapidly during tho past winter. While organize under the auspices of the Institutes, they are incers and manage their own affairs.
ontario freit for exhibition in london
The Fruit Branch has recently forwarded a special ion, to be held in London, England, from May 1st to fotober 31st. The Dominion Government is making a isplay for purpose The Ontario exhibit will not be placed in this building, but in the building erected by the Grand Trunk Railway Company. In the Do minion display the Provinces will not be individuauzed special show of fruit from Ontario. and wax models of peaches, plums, pears, cherries, and ther small fruits grown in Ontario. The apples were put up in bushel boxes of standard measurements, and crop. There were some twenty varieties in all, comprising $\begin{gathered}\text { Spies, } \\ \text { Mnnn, Baldwins, }\end{gathered}$ Seeks, Canada Reds, Wagners, PewauKees, SStarks, Ben Davis, Gano, and others.
Mr. P. W. Hodgetts, Secretary of the Fruit-growers Association, accompanied the shipment to St. John and saw i.
the vessel.
increase of spraying.

Conside spraying is now being done in the coun ry. Some of the co-operative Fruit-growers' Associations are making special efforts in this direction. The spraying outfits this spring for the use of its members. This organization uses a power spraying outfit operated by hand. The pump is operated hy a man in the Catharines plan has proven very effective. The st purchased 45 additional outfits, and is carrying on more thorough spraying campaign than ever this season These two associations, and other large organization ing materially in the cost.
The Department is continuing the bonus to the smaller spraying associations this year, but on a some $\$ 50$ each was given where spraying was carried out as directed. This year so much per acre will be given, and the man who does the best spraying will get th Last bear The gran oplicants for the bonu whereas the funds appropriated for this purpose were sufficient for 100 . The bonus was only given for powe spraying. This year it will be given for bor to visit each applicant for the bonus three times during the season, twice when spraying
when the fruit is on the trees.

路 ceedingly bright.
fees have wintered well.
Mr. Hodgetts, who is also Secretary of the Ontario Beekeepers Assoctation, report in good condition. Bee men expect a big season. In addition to meeting and arranging a scale of prices for honey, the association' committee, appointed for this purpose, will this seaso
prepare a list of boekeepers who have surplus honey for sale and send it to prospective buyers. At least as many foul-brood inspectors will be engaged thi
season as last, and probably one or two additional. There were two cases of black brood reported las brood, and care will be taken to stamp it out.

CHEESE FACTORIES IMPROVING
Thirst visits to cheese factories and creameries. An ef fort will be made to obtain definite information as to
the quality of the milk received at the factories, well as the quality supplied by patrons. The plan adopted is to have the instructors make composite
tests by the Babcock test at five factories in each tests by the Babcock test at five factories in each
syndicate or group. These factories will, as far as possible, be representative of all the factories in the group. Tests of the milk in the vat and also of the
whey will be made as well as frequent tests of indiwhey will be made, as well as frequent tests of indi-
vidual patrons' milk in factories where the composite test is not being carried on.
The object of this work is to find out something about the quality of the milk supplied to our cheese content. The data thus obtained would afford proof of the value of paying for milk for cheesemaking, with regard for the percentage of butter-fat. The work done in former years by the Dairy Branch at Ottawa, and by the Dairy Department of the Ontario Agricultural
College, clearly demonstrates that the more fat there is in normal milk the more cheese it will make. Nothing will be done in the way of making cheese from milk with different percentages of fat this season. There
is sufficient reliable data on that subject already. It the results of this work shows a wide variation the fat content of milk supplied by diflerent patrons they should prove effective in convincing factorymen
that the "pooling" system is not a fair way of paying for milk supplied for cheesemaking. The instructors report considerable improvement in visited this spring. The season is backward. Many
factories, especially East, that formerly opened on May 1st, will not begin making this year till May 10th. The make of cheese in those now running is about one-
third less than at this time last season. A QUEBEC COUNTY HEARD FROM. Editor "The Farmer's Advocate":
I was much interested in the article of April 9 th
in "The Farmer's Advocate," by J. H. Burns. It in The Farmer's Advocate," by J. H. Burns. It pity and amusement, the clubbing he received in your issue of April 30th, at the hands of "A Farmer's Wife," from his own Province; also from "A A Nova
Wcotia Farmer's Wife." The latter tells of her great surprise, judging from his communication, that Nove surprias, judging from his communication, that Nova
Scotia farmers are so far in advance of those of On tario, when she had always supposed the opposite
Though just now residing in a far different locality o Though just now residing in a far different locality o
the Dominion, I think my amazement equals hers, to the Dominion, I think my amazement equals hers,
find the average farmers here in Stanstead Co., Prov of Quebec, far more progressive than those of the Province from which Mr. Burns wrote his article; when all my life previously I had in some way imbibed
idea that farms, farmers, and conditions generally, we idea that farms, farmers, and condiors goraly, But if the picture he has presented to our view is
truly drawn, the reverse is true. I have lived fo periods varying from one to several years each in the
States of Minnesota, Michigan, Colorado, Southern California and Virginia; also lived for some little time only as the capital of the United States, but also as cities of the world, and as having many other attrac Ons possessed by no other city on this continent. praise the semi-tropical beauties and advantages of sunny Colorado; still, I can truly say, after all favored climes" and soiourn in the grand city where the laws of a great nation are made, 1 am now actually enjoying a prolonge
and early home in this p

Of course, I know most about the homes on more at Prmer broters. lives within the limits of a pleasant
present; the other
few minutes' ride. Both have as fine and fully-equipped few minutes' ride. Both have as fine and fully-equipped
bath-rooms as those mostly found in modern city bath-rooms as those mostly found in modern
homes, which are used any time any member of family may desire
round, as they can always be heated in a few
ments, with the good modern furnaces with which meir homes are provided. Right here will tell J.
their
Burns that both these furnaces are connected ventilating pipes, so that pure, fresh air is constancly
introduced into their houses. Both have hot and cold water running into their bath-rooms and kitchen sinks
Being their sister, of course I am proud to say that they believe the women who help compose their familie, use of modern improvements and inventions, as th men have theirs by improved meth
implements and farming machinery implements and farming machinery, Leach one with wecause more recently built. It is clean, limht splendidly ventilated, has both hot and cold wat pipes coming into it, with individual water tanks
the use of the animals kept therein; in short, is
they also have shad mudern barn in every respect. They also have shad
and
and
stawberry beds, as well as other small fruits. So the best of it, and enjoy their unexcelled summers wit strawberry beds, as families, though far from the great markets where these luxuries are shipped daily, can enjoy them in a delicious freshness,
city consumer-right from the luscious beds, which beautify the rich soil; fresh from the pure sweet air and sunshine to the table-minus all the jolting, jam-
ming and close confinement in musty boxes during ming and close confinement in musty boxes during
miles of travel by rail or wagon; not picked half green, and no disappointment by finding half or two thirds of the berries spoiled down in the boxes, but all sound, swoet and luscious, with a taste which no city dweller who has not had the privilege of eating These brothers never seem to consider any necessary work on their farms drudgery. Endeavoring to have surroundings indoors and out as pleasant as their means will permit,
they love the pure air, roominess, and liberty of country life, and enjoy the strength and freedom from sickness resulting.
For over twelve years now they have had "telephones", in their homes, which they realize they can't
" afford" to be without, considering them a modern necessity, as well as luxury.

The brother in whose home I am writing this takes two agricultural papers (his favorite, "The Farmer's
Advocate," of course, which he would not do without); Advocate," of course, which he would $\begin{aligned} & \text { alsot } \\ & \text { also beside these, one devoted entirely to fruit culture, }\end{aligned}$ two city dailies, one local, and two other weekly
papers, containing choice reading matter. Am quite papers, containing choice reading matter. Am quite
sure my elder brother takes nearly, if not quite, as
many. cannot see wherein my farmer brothers, here in I cannot see wherein my farmer brothers, here in
s county, in this Province of Quebec, lack many of the conveniences of city homes; while the fresh, sweet
cream, milk and butter (yes, buttermilk also), as well cream, milk and butter (yes, buttermik also far superior to any a "city cousin" can procure. As for getting

bilities and probabilities are far beyond the
cousin's" crowded quarters. It must be only the "cault hem, "free as air" and uncontaminated! All they have to do is open doors and windows and "let it iney
A great many around us have much the same tmodern A great many around us have much the same modern
conveniences as my brothers-some more, some less. lery nearly all have their homes heated by furnace here-
about, and with few exceptions, telephones, as most consider them a "paying investment" in saving valuAs we all know, previous to the installation of
these "labor savers," if the doctor was wanted, in
formation desired errand to be don formation desired, errand to be done, or message to be
sent, often the tired farmer, or some of his family, must harness an over-worked horse, and drive several
miles. With these never-tiring and never-grumbling
halos. n messape can be sent and reply received in less helps, a messape can be sent and reply received in less
time than required to harness the horse previously. In
addition to these advantages might be mentioned the addition to these advantages might be mentioned the
fund of neighborhood news and gossip acquired, und
the saviny of cyes and brain, from wadine throuch thic columns of of cyes news brainers, from wading through thin
$\qquad$
$\qquad$ Am sorry, Mr. Burns, that you cannot have th satisfaction of living a little while with "progressive ince for a short time?), for such I consider my lirothery find many others in this locality. They read a pood the good thines they think and read into practice, it life of most of its "thughenrs," and making it here this region an independent, healtry, happy hite-al
$\qquad$
$\qquad$
$\qquad$
zest never magined by those who have always lived
here severe cold or snow is never known. Not all have bath-tubs yet, even here, but as far
s my knowledge goes, those now without them intend to put them in as soon as possible; and in the meantime are too cleanly and sensible to go without bathing on that account, knowing that any one can be
made very clean by the judicious use of soap, scrub made very clean by the judicious use of soap,
cloth (or brush) and anywhere from a washbowl cloth (or brush) and anywhere from a washbowl to a
washtub full of good, pure soft water, which abounds Of course there always have been, and probably always will be, some, wherever one may go, who, if they
believe the old adage, that "cleanliness is next to godliness," show by their works that they have no desire ior a close proximity; but they are the exception in
these parts. HE AUTOMOBILE AS A FARMER'S VEHICLE
he automobile as a farmer's vehicle.
I noticed in last week's issue (April 30th) an art which he takes exception to some remarks made by me your issue of April 2nd, on "The Automobile and given his full name, and not even his whereabouts b, 1 would infer from the tone of his letter he must be focated somewhere in the wilds of Northern Ontario, If he would take the trouble to look carefully over so much inconsistency in what I said as he appears think or imagine. I made use of the following language: "In the past we have been accustomed to look upon those owning automobiles as being among the
wealthy, etc." He seems to have inferred that such is wealthy, ete. He seem to have inferred that such is
still the case; while it is not here in the Niagara Diserict, at all events, where we are up-to-date, as sev-
eral neighbor brother farmers have already runabout autos, and others are contemplating investing in the near future. I think he must come to the conclu-
sion that I have not drawn unreasonably on my imagination, and my remarks are quite within bounds. The autos are here to stay, and when we consider the use
being made of them already at many places, it would be folly to contemplate for a moment to banish them, as he would have, from any of our highways on any day. If we wish to be in line with present-day ad-
vancement, we may as well adapt ourselves to what
is destined to remain with us, and be a useful servant. The auto motors are being used by farmers in pumping water and running farm machinery, so that, as I stated
previously, the autos will be among the furmer's previously, the autos will be among the farmer's best
friends. When a horseless buggy can be purchased, run-abouts so reasonably (and they will in the near knowledge to understand that, everything considered,
the auto is as cheap as, or cheaper, than the the road. In many European countries where they
have (as we should have, and undoubtedly will ere have in Canada) free denatured alcohol, will ere long
the cost of
fuel or gas to run an auto and farm fuel or gas to run an auto and farm machinery is a not be long in asserting their right in this respect, and
then my critic will have no complaint to make of "an then my critic will have no complaint to make of In many instances that noble animal the horse,
man's best and most useful friend receives his worst treatment on the road. This especially applies to the
farmer's horses, that are not so adapted to the road as few farmers can anford as well most of that work, the horses would still have plenty
$\qquad$ Aone to our roads hy autos, I firmly believe that the horses are responsible for much more damage to our
roads. Our stone as well as earth roads are cut up and kreatly injured by the horses' shoe calks, which ac-
counts
largely for the dust nuisance created by the
$\qquad$
$\qquad$
it the company's car
oner, under subseat
 hecessary care. The this case, the railway company should not have led and watered their cattle, even if the owner were in fault.
. The case sems to mo to require $a$ fine
which will ."The code seems to allow a period of 28 hours
uring which the cattle can be without Uuring which the cattle can be without care, and not
until that time elapses does any hability arise under ne code That is apparently the liawility arise under
But 28 hours
the cors to be much too long a time to allow appears to be much to long a time to allow. Per-
haps there may be some explanation why 28 hours are

3


NOT THE MEN FOR GALWAY.


AN ANSWER TO CAPTAIN K!MMINS

## It is well that our people should he aroused by this

 most vital question, military drill in schools. CaptainA. E. Kimmins has written what to most of us pears to be the letter of a level-headed man; still, I cannot agree with him. However (unless we arrive at
conscription), this is a free country, and we are all entitled to our own opinions. It was the editorial in "The Farmer's Advocate" of $J$ anuary 2 2nd, 1908 , that prompted me to write my
first article, from which has arisen this discussion. you will allow me, I will quote a paragraph from that editorial, which runs as follows:

- In North America, the surest way to bring on war In North America, the surest way to bring on war
is to prepare for it by raising the military spirit; the
surest way to avoid war is to turn the peope' surest way to avoid war is to turn the people's
thoughts and aims towards the arts and triumphs of
peace," It is claimed that if boys are trained in the arts of war that it will cure them of soldiering. In that
case, if a boy loves farming, will a course at an agri cultural callege "cure" his desire for a rural life ?
The editorial says that this new phnse of militarism The editorial says that this new phase of militarism
is a "sorry exhibition of the Gospel of Peace.". We
know that military training is in direct opposition to know that military training is in direct opposition to
the teachings of the Prince of Peace, but like man others, perhaps the Captain thinks that in "the present state of societ
Christian land
Captain Kimmins says that history repeats itself. This is true to a certain degree, yet no two events ar
exactly alike. It is to be hoped that the history exactly alike. It is to be hoped that the history
Pennsylvania, under the governorship of William Penn, will repeat itself. It is an old story, but it will bear repeating, especially if contrasted with the history of
Virginia. It will be remembered that Charles II. owed William
Penn $£ 16,000$. After waiting several years for payment, William suggested to the "Merry Monarch", pay-
he should be biven a tract of he should be given a tract of land in America. The
king readily granted the request, but Penn was deterking readily granted the request, hut Penn was deter
mined to treat the natives with absolute justice, and not being satisfied with the title from Charles, he bought the land over again from the Indians. In 1682,
Penn, fearless and unarmed, met the red chiefs near Penn, feariess and unarmed, met the red chieps nea
Philadelphia, where the great treaty was interpreted to the natives, in which Penn said: "We are met on the broad pathway of good faith and good-will, so that no
advantage is to be taken on either side, but all to be advantage is to be taken on either side, but all
openness, brotherhood and love." The Indians then
promised "to live in promised '"to live in love with the English as long as
the sun and mon shall last." the sun and moon shall last." It was not until forty
years after this treaty that a white man killed an years after this treaty that a white man killed an
Indian, and it was seventy-two years after before an Indian killed a white man, hut william Penn was then
dead. If he and all his colonists could keep the peace totally unarmed in a territory almost as large as England among "savages," surely it is not impossible
this history to be repeated in a Christian land! While Pennsylvania prospered in building and commerce, Vir-
ginia, under Captain Smith, was waging bloody wars which time after time almost exterminated the colony. the present attitude of indifference and militarism is suppressed, we shall be in time.
Captain Kimmins refers to
Captain Kimmins refers to the battles of Lundy's
Lane and Queenston Heights, but who was it before the wane of $1812-1815$ that provoked the Americans by over-
war orem hauling their ships for British deserters? It is to be
hoped that the history of H. M. S. Leopard, with its hoped that the history of H. M. S. Leopara,
high-handed action in capturing the Chesapeake, will not be reperted. However, as the
apologized immediately, we will let the matter drop. My point is that these disputes could be settled by
arbitration. We have arrived at a time when Englisharbitration. We have arrived at a time when English-
speaking nations no longer settle private troubles hy duel, and the time is coming when international disputes will also be settled by courts of law. which will
be much less costly and more satisfactory than sacribe much less costly and more satisfactory than sacri-
ficing our young men and our homes. General theridan sate, Warnial arbitration will rule the world." Napoleon said, "The more I study the world,
the more I am convinced of the inability of brute force the more I am convinced of the inability of brute force
to create anything durable." The Captain suggests a possible invasion. Does he the yellow press. We know that China and Japan are
making gigantic improvements in their armies. With making gigantic improvements in their armies. With
the latest-patterned armaments they would he no mean foo, and should they contemplate an invasion of our
country in return for the insults English-speaking people country in return for the insults English-speaking people
have showered upon them, we would (even if every man
in Conal ware a trained soldier) stand a poor chance in Canada were a trained soldier) stand a poor chance
against their overwhelming numbers.
Therefore, we
had better turn our attention a little more to the had better turn
peace question.
Longfellow sn
Were half the wealth bestowed on camps and courts
Given to redpem the human mind from errot
There were no need for arsenals nor forta."
What are we doing in the schools (and churches)
"rederm the human mind from error ?" How much renerm to we in Canada spend in promoting peace?
money do
Two countries in South America have led ofl Two countries in South America have led ofl the
world in an object lescon of peace and arbitration. I
quarreling over the boundary line, Chili and Argentina decided to fight it out. They increased their arma ments, ordered eornermous sums of money, until the people were weighed down with taxes. Just as the ceeded in inducing both Governments to submit the controversy to King Edward, whose decision was accepted and a war averted. The result of this treaty was that the land forces ships, several of which were turned over to the commercial fleets. With the money saved by this disarmament, good roads were constructed. Chili turned an arsenal into a manual raining schoor, was united the two nations by its completion. More than this, a statue of the Christ was cast from cannon taken from the fortress at Ruenos Ayres. In 1904 this statue was erected on the boundary ledication was attended by a friendly gathering of representatives from both nations. On the tablet at the base of the statue is this inscription:
" Sooner shall these mountains crumble into dust than Argentinains and Chilians break the peace to
which they have pledged themselves at the feet Christ the Redeemer.
If we in Canada do not erect such monuments on the peace pledges between other nations, our best means of defence, thus preventing the feared invasions.
King's Co, N. S.
EUNICE WATTS.


## OUR NATIONAL DEFENCES

## It is the boast of our "War Department" that

 has raised the amount for our national military defence equipment at the rate of nearly one million dolNow. Tlook upon this condition of amairs not with pride, but with dread alarm. Canada, the youngest of all the nations; born anew, in this enlightened Chris-tian twentieth century; in this present world-wide peace movement, to begin such strenuous exertions of militarism is to sell our noble heritage for a mess of pottage. It is a latal misnomer to call and to think
theseiworks, built of rotting wood and crumbling claythese guns, with these "red-coats" behind them-"Canada's Defences.
give a brave are well chosen for our soldiery. They often fail to prove themselves brave in the tert who show such brazen front in times of peace. The millitia
are made up largely of those who have shirked their social and financial responsibilities, is they had any, in and master the multiplicity of home dutios than to shoulder a gun and go off to the drill, and even to march to battle and die in the excitement of carnage.
He is the true hero who stands, calm and serene, uncomplaining and unfinching, at the post where God has stationed him, though he may live in obscurity, and die without having heard the plaudits of man. The truly Canada's impregnable defences are her peace-loving, God-fearing, honest and industrious army of tollers. Work creates commerce, and commerce is rapidly welding the adamantine chain of international peace, bind-
ing indissolubly all nations of the earth into one universal and everlasting brotherhood.
Then why all these preparations for war? Your ramparts and your red-coats are menaces rather to our nation would molest Canada unarmed, but Canada armed would provoke quarrels and invite attack, and

One instance internally. See how the country is disturbed by the Moir tragedy. We do not acquit Moir, or palisate his awful crime. But is he alone to into his hands the gun, and said, "Go, kill." The nation most likely taught him to drink-at least it
sold him drink that crazed his mind. The result-he shot Sergeant Lloyd. Was not the nation as much the the "War Department" dowh at Ottawa is virtually, it seems to me, an equal accomplice with Moir in the crime. If you want to hang something, go hang that And I believe it is time we dith the "Minister of Militia"-1 mean with the Department-and create a new department, say a "Minister of Peace." Thus, inhis duty to create disturbances and make enemies of nations who would otherwise be our friends, we would try's highest welfare; would earnestly strive after, proIf we only knew it, we are a nation of peace-lovers, cite there would never be another cent of our money
devoted towards the maintenance of a militia, a navy, he so-called defences, or for any warlike or millitary would never lift many armories proposed for building to be so many festering plague-spots of debauchery and eight million dollars, which has made us wonder why

THE FARMER'S ADVOCATE.

HUNTINGDON, QUE., NOTES
$\qquad$
lappy the man who tills his field,
Content with rustic labor;
Earth does to him her fulness yield Hap what may to his neighbor

$$
\begin{aligned}
& \text { Well days, sound nights, oh, ce } \\
& \text { A life more rational and free }
\end{aligned}
$$

This is the time when such lines can be appreciated
by the tiller of the soil, as from day to day he pur sues his vocation amid the fragrance sent forth by hopeful of reaping a bountiful return a few month hence. Ris'ng with the sun, making best use of th
bright days, tilling the soil with intelligent purpose bright days, tilling the soil with intelligent purpos
this farmer is sure to reap the reward of his labor. The sugar season was the best for many years,
a quantity of maple product of superior quality was
realized, and much of it was marketed at a profitable
price anthounh the demand was not cuite as brish price. Although the demand was not cuite as brisk
as last year. 80c. to 85 ca . per gallon, in tins, was th as last year. 80c. to 85 c . per gallon, in thns, 10 c . pe
prevailing figure. Sugar sold at from 8c. to 10 . prevailing figure. Sugar. sold at from 8c. to 10c. pe
lo. Notwithstanding the $/$ Foods Adulteration Act, much adulterated maple syrup and sugar is manufac-
tured by city firms and foisted on the public as the tured by city firms and foisted on the public as the
pure article at a lesser price. This has had its effect pure artacle at a lesser pice. The warn., genial days, about the 25th to 27 th o April, so dried up the soil on our high lands that
we got sowing, but it soon came cold, wet and backwe got sowing, but it soon came cold, wet and back
ward, until the early days of May, when it has cleared un, and seeding had again become general, and, with good weather, alout two weeks will see all the seed sown. Much new seeding has to be resown, as owing, to the drought last summer a greal
killed out. Some that survived is looking rather thin On this, with some oats sown, and a fresh seeding
worked in lightly, a good crop of forage may be worked in lightly, a good crop of forage may be
raisel. On the high and gravelly lands the grass is raise. On the high and gravelly laniss the grass is
such as to susta $n$ young stock, and many herds have
been turned out to eke out an existence until been turned out to eke out an existence until a more al supply may be had, which we trust will not be
as nearly every farmer is going to be scarce of his cows to grass. cheeseries wand Most of the crenmerims and cheeseries have com-
cream going
much larger Montreal and the condenary here nuch larger than usual. Milch cows are still high in rice, as high as $\$ 75$, is being paid for first-class cows. Horses have been goin $r$ a little slower, especially
arriage horses, which are usualiy picked up by men osition at good prices, but they are more careful Drafters are bringing good price a large number have been taken. and fewer broo ows bred, but young pigs have done well, there li,eing a small mortality as companed with last year. Stoch more plentiful, and it will take a month's good gras (o put them in thrifty condition
we advise farmers to go slow until they see what th season will bring by way of good pasturage and bounti
The Crop-reporting Board of the Bur
tics of the United States Department of Agriculture
$\qquad$
of the Bureau, that the area of winter wheat standing
$\qquad$ than the area reported as sown last fall, and 5.8 per cent.. or $1,619,000$ acres, more than the area
winter wheat harvested last year. The averame
dition dition of the growing winter wheat on May 1st was on April 1st. 82.9 per cent. on May 1st. 1907. and 85.8 per cent. the mean of the May 1st averages of the past ten years.
the past ten years.
The average condition of the rye crop on Mou ist Was 90.3 per cont. of a normal, as compared with 89.1 mean of the 88.0 on May 1st, 1907, and 89.5, the The average condition of meadow (hay) lands on pared with 83.6 on May 1st, 1907, and 89.5 , the mean or the averapes on May 1st of the past ten years. . arerage condition of pastures on May 1 st was Yay 1 st. 1907 , and arimal, as compared with 89.8 the mean of the averages
$\qquad$
$\qquad$
*

GOSSIP Mr. A. P. Blue, Eustis, Que ec, adver-
tises for sale registered
Ayrshires,
all ages, including prizewinners and imported animals. Seventy-five head to choose
from. See the advertisement, and write
for price and particulars, or give him a
 Quietly and steadily ${ }^{t}$
have been building up a sul have been building up a super
Shorthorn catte. Stration the the majority, and a rare g
are Cows and heifers the
herd gool emough to uo are exceptionally good only to see their well-dever
and the thick, well-flesheed their dams, "emmens ilsherl September hulls, and one
ideals of perfiction as niny
fur many an diav, sired in Volume 2
.
Lincolnshire the herdbook for the swine has, through the courtesy of the
Secretary, Mr. Charles Eidward williams Thornhayes, Sleaford, Fingland, been re printed volume, containing pedigrees of boars numberng at and and cointains several ex-
192 to 2,066 ,
eellent illustrations of animal of this
$\qquad$
ica, by Brave Archer $=70018=$, bred hy
Wm. Duthie. He will corter
Fuual, if not Wm. Duthie. He will certainly make a hined with the richest breeding. To ed for fall nice Claret cow and heifer calf, and the how-flock Morning, sired by the noted bull, SpringCior hered of riar herd of
Scott Br
Since our
following
fillowing our
Moorhouse,

a winner at.St. louis in the dairy tust:
to James Randall, Highgate, one ten-Woed has heen infuse
the purchass" of Mysi.
advise us that these shingles
from $\$ 2.8$where to obtain nitrateint., our imWHERE TO OBTAIN NTRAAC will neverplaced upon a thoroughly satisfactor
basis in Canada until firms in the bu.
ness undertakeness undertake to promote the sale lings and two-year olds advertised are a

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ngredients for home mixing. Mhle right. 13reed right, fend ripht, and as
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Canada who supply these on request;
a rule they prefer to dispose of the
wn brands of ready-mixed fertilizers at
the same materials in unmixed form.
There are three elements that enter into
the composition of all complete fer-
tilizers, vix., nitrogen, phosphoric acid
and potash,
Nitrogen is commonly ob
tained in the form of a high-grade and
very soluble product called nitrate of
soda. For gardeners and fruit-growers
and
articularly, nitrate of sosda is otten a
名

## THE <br> Saxing of Years Should never be rikked in uncertain investmente Much better to be  THE BANK OF TORONTO    | Other oryic |
| :---: |
| ins 8 erive | <br> Intronet Palad on all savingo <br> THE BANK OF TORONTO <br> oapote <br> Root <br>  <br> Hinid office, TORONTO, OMM.

MARKETS
toronto

 The bulk of the catle offered ht hotil




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0

| having changed hands at good prices wagon or delivery horses in for of Toronto. More horses would Farm horses are selling fairell, but farmers are reported by asking prices that would not Shipments were made to Montnd other eastern points. The qualthe horses sold was generally Drafters, $\$ 175$ to $\$ 220$; good | TORONTO SEED MARKET. <br> The Wm. Rennie Co. quote the following as their selling prices for seeds: Red clover, No. 1, per bushel, \$14.40; red clover, No. 2, per bushel, $\$ 14.10$; alsike clover, No. 1, per bushel, $\$ 12.30$; al- <br>  timothy, No. 1, per cwt., 87.75; timothy, No. 2, per cwt., \$7.25. |
| :---: | :---: | 1or Manitoba bran, and $\$ 25$ for shorts,

Ontario bran being $\$ 23.50$ to $\$ 24$, and
 and nuted dake, 833 to
gluten meal, 81.50 per 100
sibs.

```
Hay.-No. 1 timothy very scarce, and
elling at \(\$ 16\) to \(\$ 16.50\) a ton, carloads
``` selling at \(\$ 16\) to \(\$ 16.50\) a ton, carloads,
Montreal; No. 2 extra, \(\$ 14.50\) to \(\$ 15\), ture, \(\$ 12\) to \(\$ 12.50\), and pure clover,
\(\$ 11.50\) to \(\$ 12\) mix-Seed.-There is said to be no more
sike to be having be had in the country, too much
having been exported this spring. Prices of red clover, \(\$ 23.50\) to \(\$ 25 \mathrm{a}\) 100 lbs.
alfalfa alraira being \(\$ 21\) to \(\$ 22\), and timothy. \(\$ 6.25\) to \(\$ 7.50\).
Grain. \(-T h e\) \(\qquad\) stronger, prices having advenced slightly
under a moderate demand. under a moderate demand. Eastern
Canada No. 2 white oatt, 50c. to 52 c .
per bushel, carloads in store; No. 3 at 47 c . to 48 c, No. \(4,46 \mathrm{c}\). to 47 c, and re-
jected, 43 fc . to 44 c . ; Manitoba rejected being 46 ic. to 47 c .
Hides.-Spring lamb skins sell at 10
each. Sheep skins, steady, at 75 cc . each. Sheep skins, steady, at 75 c . to
30c. each, and dealers paying 11c. per
lh. for No, 2 call skins, and 13c. for No. 1, beef hides being 5c., 6c. and \(7 c\) acconding \(t\)
to \(\$ 2\) each.

CHICAGO
Cattle.-Steers, \(\$ 5.50\) to \(\$ 7.30\); cows, bulls, \(\$ 3.50\) to ; heifers, \(\$ 5.30\); calves, \(\$ 2.50\)
\$5.75.
\[
\begin{aligned}
& \text { Hogs.-Choice heavy shipping, } \$ 5.60 \text { to } \\
& \$ 5.65 ; \text { butcherss, } \$ 5.60 \text { to } \$ \$ .65 ; \text { light } \\
& \text { mixed, } \$ 5.55 \text { to } \$ 5.60 ; \text { choice light. }
\end{aligned}
\]
\[
\begin{aligned}
& \text { mixed, } \$ 5.55 \text { to } \$ 5.60 ; \text { choice light } \\
& 85.60 \text { to } \$ 5.65 ; \text { packing, } \$ 5.15 \text { to } \$ 5.60
\end{aligned}
\]
\[
\begin{aligned}
& \$ 5.60 \text { to } \$ 5.65 \text {; packing, } \$ 5.15 \text { to } \$ 5.60 \\
& \text { pigs, } \$ 4.15 \text { to } \$ 5.25 \text {, bulk of sales } \\
& \$ 5.50 \text { to } \$ 5.65 \text {. }
\end{aligned}
\]
\[
\begin{aligned}
& \$ 5.50 \text { to } \$ 5.65 \text {. } \\
& \text { Sheep and Lambs. - Sheep, } \$ 5 \text { to } \$ 5.25
\end{aligned}
\]
\[
\begin{aligned}
& \text { Cheep and Lambs.-Sheep, } \$ 5 \text { to } \$ 5.25 \\
& \text { iambs, } \$ 5 \text { to } \$ 5.75 ; \text { yearlings, } \$ 5.60 \text { t } \\
& \$ 5.70 \text {. }
\end{aligned}
\]

BUFFALO.
\[
\text { Cattle,-1'rime steers, } \$ 6.75 \text { to } \$ 7 \text {. }
\]
\[
\begin{aligned}
& \text { Veals - } \$ 5 \text { to } \$ 7.75 \text {. } \\
& \text { Hogs.-Heay and mixed, } \$ 6 \text { to } \$ 6.05
\end{aligned}
\]
\[
\begin{aligned}
& \text { to } \$ 5.10 ; \text { dairies, } \$ 5.75 \text { to } \$ 6 . \\
& \text { Sheep and Lambs.-Lambs, } \$ \text {. } \\
& \$ 7.15 ; \text { yearlings, } \$ 6.25 \text { to } \$ \$ .50 \text {. }
\end{aligned}
\]

BRITISH CATTLE MARKET London.-London cables cattle at \({ }^{13 c}\),
to 13 t c. per pound, dressed weight ; re

\section*{QUESTIONS AND ANSWERS.} 1st.-Questions asked by bona-fide, sub-
scribers to "The Farmer's Advocate" are answered in this department Iree
2nd Questions should be clearly stated
and plainly written, on one side of the and plainly writlen, on one side of the
paper only, and must be accompanied by
thit full name and address of the writer
srd.
 stated, otherwise satisfactory replies ca
not be given. 4th. When a reply by mail is reauired
to urgent veterinary or legal enquiries
si must be enclosed.

\section*{Miscellaneous.}

A WAGES MATTER
hired B, an unexperienced immigrant A hired B, an unexperienced immigrant,
for twelve months, for \(\$ 200\), from the
17th of April, 1907. B wor'sed three months, then wanted more wages. nore, as he wa bing give him an year. A settled with B for the three months that B had worked, for \(\$ 50\)
then told \(B\) if he would work one y then told B if he would work one year
as faithfully as he did his first three months, A would give him 8225 , as his \(\begin{array}{ll}\text { oxperience. } & \text { monthe } 13 \text { would have a little } \\ 13 & \text { took two days to think }\end{array}\) it over, then said he would hire, begin-
ning his time the 17 th of Juyy, 1907 of
13 worked till the 1 st of April, 1908 April, 1908,
veek's notice. Ans,-Having regard to all the circum
tances stated, and such also as ma fairly be inferred from the statement
facts given us, we would suggest
given us, we would suggest that
payment by A to \(B\) of \(\$ 135\) would

 and 4 斤斤uration
 SELECTIONS FROM THE POETS. The White Canoe.
(By A Theres
trees
And a murmuring wash on the shore,
And a breath of the south in the loiter And a breath
ing breaze,
ing breeze,
While, free at a last from its fetters of ice
The river is cloar and in
The river is clear and blue,
And cries with a tremulous, quivering
voice,
For the launch of the White Canoe.
Oh, gently the ripples will kiss her side, Yor tho st:to momering

She is loved with a love that cannot
forget,
A passion so strong and true.
That never a billow has risen
To peril the White Canoe.
So come when the Moon is supreme in
the skv, And the echoes are sweet and low
And Nature is full of the mystery, That none but her children know.
Come, taste of the zest that the weary crave
But is only revealed to a few,
When there's trouble on shore. When there's trouble
peace on the wave
Afloat in the White
THE DESTRUCTION AND ECONOMIC (A paper read before the Society f
Naiture Stuny and Bird Protection,
by Herbert C. Merrilees, Hamilton, (int., March 21st, 1908.) people to-day of a more praction It a sub-
than bird protection. It
ject of vital importance, affecting every human being; that is, when
we protect the birds, we also protect ourselves. No doubt many of value of birds in destroying insects,
which are among the worst enemies which are among the worst enemies
with which the farmer and fruit-grower have to contend. at \(\$ 595,100,000\), and, adding to this
the loss to natural forests and stored products, makes a grand \(\$ 795,100,000\) loss through insects. \(\$ 795,100,000\) loss
You may judge from this how much
greater the loss would be were there greater
no birds
The cal
many. One which is most promiment is the vanity of women in per senting in the use of feather mil-
linery. The first part of my paper will give
'ou some facts on the destruction of
sons for preventing their killing, squirrels, moles, mice, grasshoppers,
namely, sentimental and economic. namely, sentimental and economic. The sentimental reasons are the ones most oiten urged; they are al-
so of a kind to appeal with especial force to those whose responsibility greatest. The women and girls, for whose adornment birds' plumage is chiefly used, think little or know perform for agriculture, and indeed it may be doubted whether the sight of a bunch of feathers or a stuffed bird's skin suggests to them any
thought of the life those feathers once represented-these lives cut
short merely that their apparel short merely that their apparel
inight be admired. Women should be quick to recognize that bird de struction involves a wrong, and do fusing to wear plumage.
While this cruel fashion was at its height, a London dealer received at humming birds. and not only the brightly-colored, but any small bird, to such base uses. All these car casses are steeped in arsenical solu-
tions to prevent their becoming as tions to prevent their becoming as
ofensive to the nostrils of their offensive to the nostrils of thei
wearers as they are to the eyes of bird lovers.
In a report of the American Ornithologists nion, 1886, it was esti-
mated that \(5,000,000\) birds were re quired yearly to fill the demands of American women for ornamentation
of hats. It is now estimated that of hats. It is now estimated that
double that amount are required. The report also states that the destruc-
tion was 40 and tion was 40,000 tons in a single
season on Cape Cod. It has been season on Cape Cod. It has been
proved that \(150,000,006\) birds are used annually in Europe for the mil-
linery trade. One dealer received from the West Indies 400,000 hum-
ming birds and 6,000 birds of Paradise, besides thousands of miscel-
laneous lirds. A million rail and bobolink were killed in a single
month near Philadelphia. These are facts that may well furnish food for
reflection. The swamps and marshes have become depopulated of their
egrets and herons, done to death while watching over their little ones, which afterwards die of starvation.
An article in Forest and Stream
states that, in the short period of four months, 20,000 birds were sup
plied to New York dealers from plied to New York dealers from a
single village. If the women of this country would
refuse to buy or wear hats contain ing the plumage of wild hirds, ger on would cease. Will the farmers and fruit-growers best fricnds, to he killed, that a
trifling interest like the millinery trade may make a few dollars, at
the sacrifice of much that is beauti-
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sect food, and birds of all sizes and habits were feeding
reducing the flock of 35 ce Out of the flock of 35 cedar Wax-
wings, seven birds were shot. With the exception of a few small beetles it was found that these birds were living entirely on cankerworms. By actual count, it was found that ther were achs of each of these birds. If we assume that, on an average, each of these birds ate 100 worms during
the day, the flock of 30 were destroy the day, the flock of 30 were destroy
ing 3,000 worms a day, or, during ing 3,000 worms a day, or, during out, the flock were destroying 90 ,
Another instance showing the util ity of birds in checking insect pest
is shown in the experiments carrie on by Prof. Samuel Aughey, of the University of Nebraska, during the outbreaks of the Rocky Mountain 10
cust or grasshopper, in 1865 and cust or grasshopper, in 1865 and birds of the locality were doing their best to check the outbreaks of these injurious insect
Thrushes, kinglets, chickadees, nut swallows, crows, bluejays, black birds, kingfishers, woodpeckers, owls pigeons, grouse, quail, gulls, and
even humming birds and water birds, had all taken to eating locusts. Forty-one locusts were taken from the stomach of a blackbird. A tiny ruby-throated humming bird had fou
small locusts in its stomach. robins had eaten 265 locusts. seven locusts were found in the stomachs of three bluebirds. One . Many of these and other birds re feeding their young on locusts. One barn owl had caten 39 locusts, Eight screech owls had eaten 21 , locusts. All the hawks were feeding
on grasshoppers, the same as the
In order to tell whether a bird is of more value than harm economica Washington has for the past 15 years been making a study of the contents of birds' stomachs. In various part of the country, and during all sea
sons of the year, different species of birds have been taken, and the stom achs have been preserved. These are tion of 5 per cent. formalin and 80 per cent, alcohol. Later on these have been carefully examined and Hed such insects as are eaten, an barious kinds of food eaten. After at examination of a large number of able to tell exactly the part that nature ; to what extent, if any, the hird is harmful to farmers and of Some birds live by hunting through the leaves, and branches, others b
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MAY 14, 1908
rows were watched during one day,
and they feceived fooll 187 timas and they received
from he parents. A family of four
song sparrows, 7 days old, were feed 17 grasshoppers and two spiders in
67 minutes. The flycatchers and
10 and swallows destroy vast numbers on
flies and gnats that annoy horses and cattle. The food of the "licker or
highole consists largely
of ants 3,00 of these have been taken irom
the crop of a single bird The food
the mendow lark consists of 75 per cent. of injurious insects and 12 0 it is a bird of great economic value.
A single robin has been known to east 175 caterpillars. One bobwhite
that killed had over 100 potato that was iter man another had eaten 500 chinch bugs. After the day-fly-
ing insects have ceased their work ang gone to sleep, the night hawk is
busy catching untold numbers of busy catching untold numbers of
bosquitoes, moths and other insects mosquitoes, moths and other insects.
Prof Harvey tound 500 mosquitoes \({ }^{\text {in }}\) Hawks are especially equipped to catch moles, gophers, squirrels and
nice, and they keep these harmful rodents in check, During the sum-
mer, a pair of red-tail hawks will destroy hundreds of squirrels, goph-
ers and mice. The sparrow hawk
ers. ets and mice. One bird that was
killed had eaten a gopher and
31 insects. The hawk hunts by day,
and the owl by night. The work of the one supplements that of the
other.
Observations show that one oll consumed over 600 mice in 246
days. The barn owl will capture as \({ }_{\mathrm{a}}^{\mathrm{a} s} \mathrm{a}\) a dozen cate The worst enemy of the birds, One, at a low estimate, will devour 5n) birds in the nestng season on a
sincle farm. A cat tax would doubtsingle tarm
luss do much to help the multiplica-
Pending its enacttion of birds. Pending its enactment, trose near their homee would do in a recent book, that the house-cat be prevented from roaming about
during the time when young birds eessay their first flight, by confining
her within a large enclosure of wire nelting Classed as natural resources. Some
 hirds from eating fruit, we compel
them to eat insects ; thus, instead t.) real advantage, land of the natural food of the birds
and then refuse them the fruit of our
frields? Should we not provide them some-
inine in return for the tood they mestic towls? It is a sign of thrift
whion an orchardist or farmer tries
and alout hithe instead of killing then
of tif hirds insist on destroy-
inne. fruit-there is always a litte
alt
 (enve, on in some out-or-way corrner
let , few seding cherry tees grow
for the birds? The number of birds that are harmful) inclucting so shasell
that do slight injury. is so sontrol that we ought to be able to control
theee. The number of culprits. all
toll is
\(\qquad\)

THE FARMER'S ADVOCATE

that, through its Founder and President, Lady Aberdeen, the wife of our
Governor-General, the petition of the Governor-General, the petition of Can-
National Council of Women of ada was placed in the hands of our belaved Queen, and the royal consent
was given, with most kindly words was given, with most kindly words
of appreciation, that Canada's women should have their memorial, men "Should have ther Majesty, "I
too, " But," added Her M
desire that every such memorial desire that every such memorial
should take the form of ministering should take the form of ministering
in one way or another to the sick in one way
And thus was the keynote struck, which vibrated as a chord of the
tenderest music, and, finding its echo tenderest music, and, finding its echo our land, first touched the sympathet-
ic hearts of Canada's loyal women, ic hearts of Canada's loyal women,
and then, through them, reached the and then, through them, reached the ears of husbands, fathers, sons and
brothers, until, after much patient
work some misundierstandings and work, some misunderstandings and
disappointments, but far more endisappointments, but far more en
couragements, there sprung into becouragements, there sprung ingment to the memory of Victoria the Good, known and recognized as such
throughout our country, from the throughout our cocific,
Atlantic to the Pa
torian Order of Nurses.
As long as she lived, Queen Vic toria was the Patroness of the Order,
and now her present Majesty Queen and now her present Majesty Queen
Alexandra honors it by continuing in the same relationship towards work with which she, also, is in the
fullest accord. fullest accord.
and their wives, each in succession from the founders of the V. O. N.
Lord and Lady Aberdeen, have beLord and Lady Aberdeen, have be-
come its patrons, whilst upon its executive board of management stan the names of some of our country leading men and women, past an
present, the Central Training Home present, the Central Training Hom gift, in perpetuity, of Lady Aber deen herself. The work is carried o upon wholly undenominational lines
the only claim upon its benefits being the need of the applicant for the same. It is not my purpose to of-
fer accurate statistics of the actual growth and progress of this most
beneficent work. I will just mention the names of some of the places Where either as cottage hospitals
in district work the large stafis in district work the large staffs Victorian Order Nurses are so mercy: Ottawa, Montreal, Toronto Kingston; Yarmouth, N. S.; Almont
Hamilton; St. John, N. B.; Halifax Hamilton; St. John, N. B.; Hana B.S. Gravenhurst; Winnipeg; Baddeck C. B.: Canso, and Truro, N. S. Yorkton, Sask.; Dauphin, Man.; Har-
rington, Labrador; Arrowhead; Rock Bay and Fernie, 13. C.: Shoal Lake,
Man.: Copper Clifi, Ont.; Pictou, N. S.; Indian Head, Sask:; Brantfor
and Stratford, winding up my list by and Stratford, winding up my lonst On-
the mention of our own London, tario Branch, established two years ago, during which time no less than 1,714 visits have been paid by its
nurse, including 1,336 in the first nurse, including no less than 378 in the first three months of this, its
third year ; total, 1,714 . All this, one nurse has achieved single-handed,
and the crisis has come to us, as it and the crisis has come to so many other centers, that a coadjutor must, in justice to
the nurse and her work, be provided 1or her.
At a recent meeting in London, Ontario, the Mayor, some of the city
clergy, and several members of the medical profession, were present,
other medical men writing regrets other medical men writing regrets
for their absence. but all alike testi-
fying to the unspeakable value of the fying to the unspeakable value of the
ministrations of a trained Victorian Order visiting nurse in the homes of their patients.
One can write or speak more defi-
nitely of work with which one is in nitely of work with which one is in
personal touch, and that must be the writer's excuse for making more es !ecial mention of the London Branch
"The Farmer's Advocate" is rear "The Farmer's Advocate" "is read
in many centers where the Victorian in many centers Advere the "Victorian
provision for a second nurse, when
already it was a matter of difficulty to meet the necessary expenses for
one, the London Branch would be very grateful.
For over two years, thanks to the generous initiatory grants from Ottawa, the parent centre of the V.O.
N. work, London managed to make both ends meet-just that, and no both ends meet-just that, and no our borders or limit our usefulness, we recognize the necessity for still
Thanks to the kind response given to the first plea made by the London of the city benefactions, \(\$ 200\) have of the city benefactions, \(\$ 200\) have
this year been granted to us, thus placing our branch upon the footing of so many other centers which have had the recognition and a share of the practical support of their civin
authorities. This is one of our en-
The couragements, but not the only one. We are hoping that the ministers of our several churches will consent, as
some have kindly done already, to plead our cause on Victoria. Day, for what day could be more fitting, and this year it falls upon a Sunday? cieties, in loyal memory of the Diamond Jubilee of Victoria the Good, to gather for our treasury a few coins from their members; but most
of all, and beyond all, we rely with greatest confidence upon the blessing promised by the Giver of All upon every effort made by the humblest of
His servants, to minister in His His servants, to minister in His nmangst whom our lot may be cast.

\section*{The Quiet Hour.}

THESE HAEAR WASHED HEIR ROBES.
" In Repentance, too, is man purified It is the grand Christian act." Though hrese words of Carlyle's express a great
truth, one of our readers has drawn my attention to the fact that I have sel Repentance. Surely it is not because underrate this "grand Christian act." hope it is rather because I take it for
granted that Repentance is already laidd as a foundation in the lives of all who take the triuble to read the Quiet Hour. In the Epistle to the Hebrews we are
exhorted to "leave" the first principles of the doctrine of Christ, and "go on unto perfection; not laying again the
foundation of repentance from works, and of faith towand God, of the doctrine of baptisms, and of laying on of hands, and of resurrection of the dead, have almost unconsclously \(\frac{I}{}\) suppen \({ }^{\text {tase }}\) granted that you-my dear friends to whom I speak each weok-are trying to "principles." holy life on these necessary cause you have repented of the sind of the days when you made no attempt to. with Christ, that now you have done life. Far from it. It only mean that because you are earnestly trying to be a
faithful disciple, you cannot help repenting your many failures. Repentance
must be a necessary part of a Christian's daily life as long as he finds himself so far beneath his tdeal as he says that the blood of Jesus Christ cleanseth us. from all sin, he is very quick to warn us that we are not, there-
fore, faultess, for he immediately adds: " If we say that we have no sin, we de-
ceive ourselves, and the truth is not in us." We must begin our Christian life with Repentance, and then the daily
sorrow for having missed our mark will follow as long as mised are our mark will from perfect. place in the great multitude which our
no
man can number Throne, clothed in white, it is very cer-
tain that Cain that we must, like the others, have
. \({ }^{\text {washed }}\) " robes ; for only Christ has washed robes ; for only Christ has
ever succeeded in keeping a robe spot-
lessily white all through life. God is
flawlesely. He does not ofier us a robe
that is fided and shabby, one that has
been that is faded and shabby, one that has
ben washed so otten that all its hair
treshness is is gone. No freshness is gone. No. NHis washing is
able to reatore lost beauty-imposibe
though that may seem. Has He not though that may seem. Has He not
gracoiousy promised.. Though your sins
be os scarlet. they shall be as white nas
snow . be as scarlet, they shall be as white as
snow chouh they be reat like crimson,
they shau be has wool. Has He not
Hos Ho they. shall be as wool." Has He not
promised to put our sins as frat away
from us as the east is far from the weet from us as the east is far from the west
To you know how far in infinite epare
that is?
He has said that He will sit that is ? He has said that He will sit
as a refiner and puriffer of silver, refining His servants as gold and silver, that
they may offer unto Him an offering in in they may offer unto Him an offering in
rimhteousnoser
Such promiseorand they
are sattered broadcost through the the are scatered broadcast through \({ }^{t}\) the
Bible are good toiding to us all, for have aill sinnod over and over again, an
surely we all long to wear the teauty surely we all long to wear the teauty
holiness, we all want to be robed stainess, white. It seems almost to
good to be true that sin can really b good to be true that sin can really be
bloteded out. Some people don't seem to wish othis Gospel of forgiveness to to te
true elider brother in the
paratale of the Prodigal Son-which has parable of the Prodigal Son-which has
been called ."the tospel in the goppel."-
they object to have a siner reeel they object to have a sinner received
with rejoicings they dontt thinc it it
fair that he should wear a trosh and
thent beeutitut robe and be clas ared close
a loving Father's heart without
 and free and instantaneous, seems al
most like injustice, and repentance seen
to too easy a price to pay in order
have years of wilful sin wiped out writing on a slate-wiped out as though it had never been. But do we not some
times confuese the guilt of sin and its painful times contuse the guilt of sin and its painful
conseouences? Christ died in order that consequences? Christ died in order thal
the guiltoo sin might beornoed, in
order that we might be cleanssad from order that we might be cleansad from
stain; but dare anyone say that he can
sin without feeling the the quences? When the frightened Apostl quences ? stantly as iorgiveness. Ho was forkiven. coonmissior reinstated by the threello
commen sin was blotted out
again, but he could not escape the sad consequences of his sin. Just a few sh
words, and he must suffer trom them his life : That hurt, disappointed, lo
ing look from his dearest Friend, that look which caused him to weep bitterly must have cut him to the heart as oft-1
as he remembered it-and when could ever quite forget it a His shame hefore
his fellow-disciples at that weak doniot Was a pain that he would hardly think remembrance of his dislovalty. You ellery
 of David. When he said in sudden buu heart-felt repentance "I have simn
against the Lord!
Lor ready words of absolution, hy God's pay ife not only the outward consequences Nard shane and sorrow, His repentand
Could hot restoro ot life the man he hau
aused to be crually make him torget that he haid stained ti reasured purity in the mitr" of foul sin
 entance can
sin is therefore
ightly indulg ightly indulg
iunishment, ani
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own spiritual condition. Goodness, even
in men and women like ourselves, is the greatest incentive to us to be good to It makes us dissatisfied with oursilves,
and inspires us to aim at the highest
goodness.
The goodness of Gon if kept always before our eyes, must lead
us to repentance. Seeing His marvellous
beenty or beauty of holiness we cannot help try-
ing to be holy too, cannot help beins ing to be holy too, cannot help being
ashamed of our own stained robes, can
not help not help longing with an increasing heart-hunger for the washing which can
restore our soiled garments, and make restore our soiled garments, and mak
them more dazzling white than any fuller on earth can whiten them. A worker among the poor, who was distressed at
the dirty hands and faces of the women the dirty hands and faces of the women
who came to the mothers' meeting every
week, did not say a word about it to wrek, did not say a word about it to of purity and the ugliness of uncleanli-
ness. She bought a pair of white ki-1 gloves and shonk a pair of white kiv with every
glo Woman as she entered the room. Then
she wore the soiled gloves all the evening. The noxt wek she had another
pair of white kid gloves, and again the pair of white kid gloves, and again the
women ruined them. After a few weeks
the women took the hint and came with cleaner hands, until at and came with
that dirty hands found rather than the rule. . Another worker
in the slums said that the most refinin
\(\qquad\) down to a table which was covered with
a snow-white cloth. He found that th vision of purity had a refining influence
on mind and heart. Another man de
\(\qquad\) man out of the mud is to black h
boots." So the surest incentive to ra
pentance is to keep always before eyes the vision of the King in His
beauty, and the best way of rousing other people to be sorty for their sin ness, is not to talk continually to them them see the beauty of holiness fron Sunday morning to Saturday night. \({ }^{W}\) w
all naturally resent being driven with scourge, but those who show forth
their everyday life the beauty of purit.
bumility, strong magnets attracting all souls
around them1 to struggle after the same shiming virtues. Why else has :orn
come down to a
beauty hive a life of spoiless really waze on the wonderful forgivenes
of the King on His cross, and then
out cherishing ressimment
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strengthen such as do stand,
lort and help the weak-heart
 all winter suddenly look shabby and
dirty? Is it not because the world is
putting on new clothes everywhere, the blossoming new clothes everywhere, the and fresh green grass
and glorious sunshine make us all feel and glorious sunshine make us all feel
ashamed of being dirty and untidy. We
want to be spotless, because we see
eeauty all around us. We hate our eing beauty all around us. We hate our sins,
and long for real cleansing, because we look up into the pity and purity of our Most Holy God. We have all sinned,
hive sinned over and over again, and we are cheered and encouraged to make a
resh start every day by the picture of fresh start every day by the picture of
our dear Lord's tenderness towards the
weeping woman who washed His feet with weeping woman who washed His feet with
her tears and poured out fragrant oint her tears and poured out fragrant oint
ment in token of her penitent love. His anger could not have accomplished mo than the terrifying her from the co
mission of sins, but His tender love
\(\qquad\) soul made her place every secret thought
of of her soul before Him to be purified. Despair may crush, but hope gives cour-
age for the fight-and the deeper we have
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\(\qquad\) she had kept her most priceless possesshe wad kept her most andefilid. The loving tenderness of
shrist cut her to the heart whes scora of the proud thariwee only fell on
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The Young People's Department.

THE MAPLE WOODS

mards the end, were considered a luxury.
 rode, drove, or, werly part of this reign,
boat during the the latter part, coaches but towards the latter part, coaches
yere introduced, which travelled alons mere introducod,
the principal roads. Travellers always the principar roud, as they were likely to
went welt armed highaymen. There were went wata by highwaymen. There were
be accosted
different parts along the road inns at different \(\begin{aligned} & \text { parts along the road, } \\ & \text { where travellers } \\ & \text { put up at } \\ & \text { night, got }\end{aligned}\) there traveliers changed horges, or perhaps
their meals
fust stopped for a drink, as drunkennss Yherf topped for a drink, as drunkenn.sss
just stoper
wans
very common in those daps. The
 feef very bad if he did not have on handf
the particular kind of liquor they liked \({ }_{4}{ }_{\text {best }}\) were Shokespeare and spencer, while Bacon was one of the great philosophers,
Very
few of the common people could read or write, and when the higher class messengers, who waitod for an answer or note were very superstitious, they be some particular star as theirs, and
 lieved in witcheraft, and put to death
with great cruelty any who had powers they did not understand. People were
put to death for the most petty ofiences put to death for the most petty offences,
and
prisoners were tortured with instru ments such as the thumb-screw, pinchers
and poking and porking awl to make them confess
and orten innocent persens would
be
sol godided guily. If men quarrelled, they
selves
conerall cenerally settled it by fighting a duel
The person who could kill the Ane person who could kill the most
enemies in batile, or go through the

 ticed on Sunday, and attended we by pradies
of rank and of rank and fashion. When the clitizens
of Loondon went out in the evening the atondon went out in the evening, the
vero attended by theit esrvants, why
carried lanterns and clubs to ficht with carried lanterns and cuubs to fight with
in case of attack.
Forks were unknowis at the table, and meat was conveyod to the mouth with the fingers.
young friend,
clory The younger replied: "I have
very much interested in your story,
hope you wrim be interseti in mine.
your time, Fongland was mididay your time. England was midway be
tween the barbarism of the past and the tween the barbarisme of the past
refinements of the tresent day. \({ }^{\text {and }}\) Th monarch, of today does not have full
authority, and has no moer to make or
unuake laws without the sanction of the
 ching must choose his adviserst, and trom these
representatives of representatives of the people, and be
guired by them; put a kood deal de \(\underset{\substack{\text { king } \\ \text { khrm. } \\ \text {.| }}}{\text { and }}\) est amongert thritain is now the greay
all oner the tions, and hus coloni all over the world, the largest of them
beiny our own Dominion or canadu. The sun never sets on her empire. The people
are alowed to practice their own reat
licion ond to ligion and the difirerent sectst are oriend-
ly with one another. They have a great
Ther flet of shins, with men trained purposely


 do no know yet whether they a.
duralle. "Travellers now go to a station at a
set time, and when the train comes ket on, and are at their destination in a
teve nnoments, where fornerly it would
have taken hours. There are always
to hotels at the stations or villages "Mhere
travellerss can put up. Dirunkeness is not
Dit as common as it was, and many of th
haturs keep no tiquor, but the maiority



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THE FARMER'S ADVOCATE.

 ceedded yet.
II person wishes to have a talk im-
mediately
telonath meltately with a friend, he goes to a
tepono and has a chat over the wires.
They have, also, an invention They have, also, an invention by which
you can send a message without wircs you can send a message without wires,
and it has ben sucessul. so tor shakes.
Shaespeare is stitl counted one of the greatest wrene wites, and hinted ons of
acted ons are acted on the stage of todday. We have
many writers tada, some them fa.
mous; but literature is no (longer the thing, it was. There are many books in
circulation that circulation that are not worth the paper
on which they are printed. Newspapers on which they are printed. Newspapers
are printed all over the country. so that
people can know somethinc of what is people can know something of what is
going on in the world. Thes have schools where the chiudren can learn to
read and write and on through the
difrerent prades until they are ready to
 go to the college, if they wish. They
have a postal service, and all they have have a postal service and all they have
to oo is to put a stamp on the leter
and tore it and take io to the oftramp and those whose
dity it is will send tit dite it is will send it to the one ad-
dressed.
are lighted by the electricicity, cities, nond the streets are lighted by electricity, and the smaller
place by lamps. They have electric cars in the citios and large towns Murder In the cases and arge towns. Murder
and treasen are now the only crimes tor Which ollenders are put to death, and
person cannot be imprisoned without

"Queen o' the May."

 Nhaut tess tell you of more improvement
"hich are taking गlace in the world,
"he

\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\) ditn


that is really her own, life is too short
to make it worth while to iorieit her to make it worth while to iorfeit her
sell-respect for the sake of a very doubt-self-respect for the sake of a very doubt
ful happiness. "This, above all, to thine own self be true."

Dear Cousin Dorothy, -1 have taken the advantage of your invitation for more younger people to write.
very much interested in your pleasant department, and read the letters every week. I was also very much interested in Fay's account of piecrust making. inkewiso have had the same experen warm. I should have liked to have taken part in "The Times of Elizabet
as Compared with Our Own," but found as Compared with Our Own," but found
out I could not make anything to suit



\section*{Current Events.}

The Quebec local elections will be eld on the 8th of June, the same

Largely owing ** the municipal Largely owing to the municipal
ownership of waterworks, gas, elec-tric-light systems, etc., the tax rate in Guelph this year is 14 mills, the lowest in Canada. Mt. Etna is still active, and an
extensive eruption is feared. Two streams of lava are pouring from a
new crater, about 7,000 feet up the new crater, about 7,0,
side of the mountain.

The Postmaster-General has given notice of a Governnent measure to
reduce the rate from two cents to reduce the on all drop letters in citios
one cent
in which there is a postal delivery. in which there is a postal delivery.
By the overwhelming vote of 167 to 46 , following a lengthy debate, the untatives went on record against the re-establishment of the canteen is national soldiers' homes.

The Right Rev. Chas. H. Brent, Bishop of the Philppines, han, D. C
elected Bishop of Washington, to succeed the late Bishop Scatter lee. Bishop Brent is a Canadian and was born at Newcastle, Ont.

A plot to kill Lord Kitchener, forces in India, and other high of ficials, has been discovered and frustrated. A number of prominen Bengalese are implicated. Thirty are expected to follow.

A general arbitration treaty be-
tween the United States and Japan has been signed States and andon, D. C., by Secretary Root and the of the arbitration at The Hague of nearly every class of dispute which may arise between the two powers.

When the Quebec bridge over the St. Lawrence is rebuilt, it is expected up the river, where an arch of such tremendous proportions will not be required. This change in site will
also necessitate a change in the suralso necessitate a change in the surPacific in that section.

Arrangements have been completed Lor the visit to England of about
500 school teachers from Canada, and the same number from the
United States, for the purpose of visiting English schools and inspecting the working of the English school system. The International
Mercantile Co. will carry the teachMercantile Co. will carry the teach-

CROPS A FAILURE. CYCLONES IN THE SOUTH. TERRIBLE DISASTERS AT SEA BLINDING SNOWSTORMS IN ENGLAND. SCANDALS IN HIGH LIPE FINANCIAL PANIC THAT DISTURBS THE WHOLE WORLD.
CRIME RAMPANT. SUICIDE ON THE INCREASE. INSANITY PREVALENT.
IMMENSE LOSSES BY. FIRES AND FAILURES. WARS AND RUMORS OF WAR.
The above are only a fow of the many ways in which the attention of the public is ogalled to the general news of the world to-day, but sICKNESS. PAIN.
SUFFERINE, DEATH, What of them? THE PEOPLE CRY: WHAT SHALH WE DO
 affliction, and hasten to inform you that RELIEF IS AT HAND, and it is your
fault if you do not seoure it at once. fault io you Io not seorre imaronee.
THE PAIN in FIVE MIINUTES in many coases.
 LIVER AId HEART DISEASE BRONCHITIS, STIFF JOINTS, CONSTIPATION, IN-
DIGESTION and CHRONIC OISEASES generally, and who gay they cannot praise it too highly.
Treatmong others writing of Coon's Invention De Marvel and Wonder-Marvel Mre velal 8 ment





Prominent physicians and surgeons also endorse it. Are you siok, suffering
from pain or affiction in any way? Write us at occe for full particulars. COON'S DE MARVEL CO LIMITED


\section*{Strong Reliable Guns, Cheap!}

Single, \(\$ 3.00\) to \(\$ 10.00\); Double, \(\$ 6.50\) to \(\$ 75.00\).

Money refunded if not satisfactory. Repairs promptly ex
you want information concerning your gu
WARREN 8, ELLIS, 302 YONGE ST. 8. ELLIS, 302 YONGE ST., TORONTO. Toronto's Leading sporting Goods store.


Women Cured at Home ! Women's disorders al ways yield,
from the verry berinning of the treas-
ment, to the mild but oftective action of Orange Lily. Within two or three days after commenoing its use the
improvement beocomes notioe a 10 le, improvegment becomes notioe a ble
and this improvement oontinues until the patient is completely oured.
Orange Lily is an applied or local Orange Lily is an applied or local
treatment, and acts directly on the womanly organs, remo the nerves, and restoring perfoot ciroulation in the gesieseased parts. In order to convingos ten daraing wooment shoolutoly FREE this remedy, I will send a 35 -cent box, enough for MRE. F. V. CURRRA, Windsor, Ont.


The Adjustable Silo Mould will make any size of silo from 5 to 30 feet in diameter, and
will make the wals any taper or thiokness desired. Let us give you full information about our Silo Moulds. We also LONDON CONCRETE
ge Roden Streot,

\footnotetext{




please mention this paper.

We teach you by mail. Courres also in
 Engineering Civil Mervicical Drawing, steam
Bubjects. Write to day over 100 otber \(\left\lvert\, \begin{aligned} & \text { Camadian Correspondence College, Ltd. } \\ & \text { Dept. E. }\end{aligned}\right.\)
}

With the Flowers.
AMONG THE WILD FLOWERS Can you imagine anything more like
fairyland than a grove filled with wild Iairyland than a grove Mliga with what
fowers on a fine May Morning? there seems something sacred about it
tor You benedict ion, and you to not it ander that
a poet fancied the ameat a poet fancied the sweet lily-bells "ring-
ing to church." As you walk along the ing to church." As you wall along the
wo otland path, it seems to you the isile
of thedral of a cathedral, more beautiful than hands
over made; above you the gothic arches ever made; above you the gotice arches
of the brown branches meet, and still ber
yond there is the roof of leaves, still crinkly in the freshness of their youth, and all green-gold where the morning
sunlight striken sunlight strikes upon them.
There is no noise, nor any tumult; only a soft murmuring and a swaying every-
where which warns you that life is Where which warns you that life is
afoot; life mounting up the treatrunks and thrilling uit othe ends on
tiniest \(t w i g s ; ~ l i f e ~ i n ~ t h e ~ s p r i n g i n g ~ g r a s s ~\) life buovant life, in the little squirrels
that that gambol from tree to tree, and in
the birds carolling their lovesongs near and far.
Life, too. dainty life, in the ferns that creep out from beneath the moss-clad
logs. or nestle at the foot of the tall Iogs, or nestle at the foot of the tall
trees: and in the fowers begrinkled over
overy knoll and in every hollow. Love you the fowers? Then be con-
tented, for the most tented, for the most part, to look and
Iove. As you love them, leave them, for love. As you love then, leave them, for
the plant that you desecrate may be an annual to which plucking means annihilation. For this reason is it-this
rutiless and thoughtess plucking by the rutiless and trougncess pucking by th
handful and the armful-that our wood are now so otten fowerloss, bereft of the
greatest charm they have ever known And to c.arm they have ever known.
fittle purpose, for the sowers you carry home must in some
sort, disappoint you. They may witt
and, at all events. and, at all events. you cannot bring
with them their native setting. ., You cannot bring home the woonland and
sky ", without which they, as well as the song-bird, are forlorn, and ofttimes pit.
ful.
Do you know the wild fowers? Cal
you call them by name as you woul
this favorite child or companion


 Perhapse so, and yet, speaking trom ex-
perience I can say that I have found
additional interest in knowing the names

it in toeere, by tho wooly coatme on on buds crowding up in the center "owe
and mass of three-lobed, mottled lear of the tho all the world as though each littlio stem
knowing that gone and that the cold weatherercely turn back at any moment, had come with a little woolly blanket around it each standing on the flowers appear sach standing on its own leafless flower ish-blue, or white, and that they have most delightful fragrance, sweet and
evasive as that of the English violet. evasiva as that of the English violet. in the wild plants that will grow fill
a forable situation in your garten,
Close upon the time of bloomis flower. this flower, come the springing of (claytonia), and the two sprecies beauty
centra. di in grasey goumay find the spring beauty gen out in the fields, close to its borde, or this little plant, delicate as it is, is less
shy than most of the loves to come out in other flowers, and deed, so fond of the sunshine is it. it that
it invariably closes its
 teather, and in the evening, as soon as
until morning. gone, sleeping, as it were,
unt \(\underset{\text { plant morning. ... You may know this }}{\text { its }}\) plant by its linear, very smoow, op-
posite green leaves, and its little posite green leaves, and its littie pink
flowers, vine with deeper pink, which
grow in loose, terminal racemes at the end of the smooth, pinkish stem. Count he petals, and you will find there are
five, slightly united at the base, and partly embraced, as it were, by two
green, ovate sepals. Fay, too
First, then, do you know the hepatica,
or liver-leaf? I am sure you do, and that you love it perhaps youst of all be
cause it comes early in spring, almost
before any of the others, have evins shown
their huds



Dutchmen's Breeches (Dicentra cucullaria). The two varieties of dicentra whioh
 ticular distinguish them as mutohman's
breeches (Dicentra cucull hreeches (Dicentra cucullaria) and squirrel
(corn (Dicentra Canadensis). The leaves corn (Dicentra Canadensis). The leaves
of both of these are very finely divided,
like green radiating fringe, and very of both of these are very finely divider
like green radiating fringe, and ver
beautiful, and the flowers, to the uin beautiful, and the flowers, to the un
initiated, look much alike. If you ex
amine them, even carelessly, however, yo
with
will find them easily marked by broa
distinctions, viz., that the color of th
1)utchmen's breaches is muth



The Banner Incubator of the Province

\section*{The Daniels 120-e玉s Hot-water \\ I20-atg H
Inoubator.}

Following is what our satisfied customers have to say of The Danicls Hot-water Incubator

Mrs. -- Wolseley, Sask., has one of your 1904 incubators, using hot water, and gets the best of satisfaction. Her machine is the cream or incubators here, and reasonably so ; others are Hot-air Heaters

The above is an extract from a letter received by us, February, 1908. Need we add anything? Don't you think the above speaks well for other makes of machines that were not successful? We might explain right here why we have not been manufacturing these machines right along. In the first place, 4 years ago we were tied up for want so that to-day we are in a position to handle more business than we, have in the past. Again we feel forced to manuiacture a Hot-water Incubator, as so many of our satisfied customers and their friends want them. We intend making this a popular machine at popular prices, within the reach of all. We feel we can do it with our 23 years' and always-" Your success, our success." We are going to make you a business proposition, as follows: You can get one or more of these incubators and start any time this month, and your profits in the fall will more than pay for the machine. Here are our terms: (Our 120-egg Hot-water Incuba the 814.00 , we send you the incubator, and after 30 days, if machine is not what we say it is, return us the machine and we return you the \(\$ 14.00\); or, if you think times are hard, although we don't think so, tell you why: we have been running full time and two months overtime this winter. However, here is our offer: Semel us 86.00 and your

\section*{The Daniels Incubator}

191 River Street, Toronto, Ont.


POWER LOT A Story of "Down East." BY SARAH MCLEAN GREENE,

\section*{[Riohts of publication seoured by The Wm
Weld Co., Limited, London, Ont.]}

CHAPTER V.-Continued
"Why, of course, I shall call you
Mister Milton, and you call me Miss Thibault. It is pronounce' Tee-bo
It is French. My father is Fer
but me-I am American. I was b
to Bear River." "Bear River was very lucky t have you born to it,"' asserted Rob the monologue of his thoughts reas "Do you know of any way I could Cuby shook her head. In the first place she did not want him to go;
in the second place she was fully in the second place she was fully de-
termined he never should go until he " My father is not a fisherman,"
not hat she said, tossing her head. "He have
no hoat. My father has a team of two horses an' a very strong har-
ness, cost him feefty dollar, My
father's lusiness is father's business is a haulin' wood.
Cap'n Jim Turbine-he came to my iather to hire him to meet the ves-
sel when she come in, an' haul up you an' them trunks. My father, he would not do so-he like so much
wetter, you see," saidl Cuby, with
Wushing She had been constantly drawing hearer to him, with the feminine
compassion for, and authority over handsome young man in affliction.
Vow, she sat down on the bowlder where the young boy had been.
"There-is-no-way?" said Rob howly, his strained blue eyes looking
nut to sea. said Cuby, the bashful maiden longer, but suddenly become a guide alevelling of circumstance. She shook ok a' me,', an' mind what I say, verything.
Rob turn Rob turned his wistful eyes to her
appealingly.
" You don't like it very well there where you come to live. I do'n'
lame you. Ma'y Sting'ree, she's a hat's what she is." Kaptis'?", "what makes her a

Like a fretful child. Rob's m
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
dismay, and made no reply.
\(\qquad\)
\(\qquad\)

REASONS WHY MOTHERS SHOULD USE Lacthted food
 " No, for I am good. Some is bad;
about them is talk. But me mo. II
am good. My father an' Cap'n Jim am good. My father an' Cap'n Jim
Turbine, they tam to hell anybody Turbine, they tam to hell anybody
w'at talk about me," concluded Cuby w'at talk about me, con
"" Good," said Rob, "y you're all
right. I wonder if I could find someright. Io wonder if I could find some-
body to take charge of my character. Well, never mind. I think you are saving my life and reason. At what
time will you be here to-morrow morning to meet me?
"Wine o'clock. You got to 'ump
yourself, an' git a mave on to make a farm."
" I'm used to sleeping late, but I don't care how soon I get out of
that old Samanthy-Tildy-Ann bed quilt of a room of mine."
"Ma'y Sting'ree is a nice housekeeper,"' declared Cuby virtuously.
"She's an old hen of a shoolRob.
Cuby's heart leaped, and she ad-
judged it safe judged it safe to experiment still
further with the function of justice:
"/ Ma'y Sting 'ree is only twenty" She has lied about her age, then. She is forty, if she's a day."
Cuby ceased temporizing further in Mary's behalf, and laughed with a
joyful sympathy she could not conceal. Rob seemed to her a beautiful
young man. There was a cut to his clothes and a general air about him
that was foreign and adorable. He that was foreign and adorable. He
had the blue eyes and the fair mustache of that hero in her favorite
novel- the one who leaped to the
ninth lloor of the burning tenement ninth floor of the burning tenement
and rescued "Alva," the factory girl, to whom he was secretly b
trothed. This romance, Cuby ad judged by all means to be a work of
art. Its precepts and its tragedies of which there was no stint, abided
with her. As for Mary Stingaree Cuby admitted to herself she was clever woman, learned and superior
and, to the keen instinct of one and, to the keen instinct of one of
her own sex, a dangerously alluring So when Cuby heard Rob's words,
coupled with the frank distaste gleaming in his eyes and curling his
lip, she laughed deliciously : ": Rober', you mus' not make the LII wish, you lived up at Powe "Oh, there is only a short road
and the hill.". "/ It's the deuce of a hill, though. There is a road not so steep. Now I mus' go 'ome. I should ask you
to dinner, but I get no dinner unti night. Then my father comes 'ome from a-choppin an' haulin' the wood,
an' I get then the dinner. I shall go," said she, , rising promptly. "You
also mus," go."
"Yes," Rob "Yes," Rob deplored, " I'll go
You are sure that you will be here when I come to-morrow ?"
"May be so an' may be not," "May be so an' may be not,"
flaunted Cuby, pursuing the tantaliz ing methods of proud Alva of the shall come.".
Rob gallantly took up the bucket Roh gallantly took un the bucket
of clams and the hoe. Cuby blushed with satisfaction at this approved and elegant consummation of the
opening chapter of her romance, and
walked unburdened at his side her walked unburdened at his side, her
head held very erect, health palpably radiating from her as a perfect creation of nature. Is there anything like a shop anywhere around here,", questioned
Ros." "where a fellow could purchase Roh, "" where a fellow could
a few cigarettes, I mean ?" (To be continued.)


"Favorite" Churn Is the favorite. There are more "Favor ite" charns sold in Canada
than all other makes combined. Patent foot and dizes to churn Mrome in 8 30 gallons o: cream.
If your dealer does handle these household
lavorites, write us.

DAVID MAXWEL \& SONS
S\& Mary's Ont.
Every Woman
is interested and \&hould know
about the wonderful
Marvel Whirilng Spray



LEARN DRESS-MAKING BY MALL

Superfluous Hair Moles, Warts, Ruptured Veins, Etc.,


 Hlscott: Depmatological
Depr. F. Institute, Isr. 1898 61 College 8t., Tomonto. MORTGAGE 8ALE OF Parcheron Stallons and Mares




筒:


 Maodonoll \& Eolande Eapriatore,

May. 5.1908 .


\footnotetext{
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\section*{- 6 \\ GRAMOPHONE RECORDS}

Exchanged Free.
If you are tired of certain records, or if you have an cracked or broken, or scratched records, they can be EXCHANGED FREE.

Ask your nearest dealer about it, or write to us for "Exchange" circular and record catalogues.
the berliner gramophone co. of canada, limited, DEPT. F. A. MONTREAL, QUE.


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POULTRY \\
COEGGS OA GR \\
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\end{tabular}}



 advertising solumns.






 Oxtra heary layers.













 \(\stackrel{\text { Guelph }}{\text { INGLE }}\)



Liok: Canadis ohampion exhibition and






 Poutruy and egse for rale Ceadroale White

 \(\mathrm{R}^{\mathrm{HODE}}\) Heland Redf. rosi comb Bred nine


 GOSSIP


Don't delay buying---the Melotte will have earned half its cost before fall.
 or immediate usefulness, at a price the verage breeder can afford to pay.
A shipment of 112 grade Hereford
steers were sold on the Chicago stock steers were sold on the Chicago stock
market the last week in April by Clay Robinson \& Co., commission salesmen, at \$7.25, the extreme top of the market by
10 c . per cwt. These cattle were bred in 10c. per cwt. These cattle were bred in
Kansas. When put on feed in October their average weight was \(1,100 \mathrm{lbs}\), and when sold was \(1,607 \mathrm{lbs}\)., a gain of 507 1bs. per head in less than seven months,
and their weight was against their sale, as lighter cattle sell more readily, but
the statement tends to show that Herethe statement tends to show that Here ords are fast feeders.
\(\underset{\text { writes . W. F. Stephen, Huntingdon, }}{\text { M }}\) writes My herd of Ayrshires have tion; thanks to a good full silo last fall. The demand has been good for young
bulls, and I have alreeady sold all on
hand. I offer for sale Lessnessock Crown Prince (imp.) -19508-. He will be five years old in July, and has headed my herd for our years. He has left me very appearance of being performers at the pail when they come to maturity. He has grown to be a massive fellow, low-set and well-developed.
tractable.
Is quite and
I
expect
to most of my early calvers before I disoose of him. Owing to having sold one
of my farms last fall, I disposed of all my grade Ayrshires by auction last month, when they brought good prices. In the future, I purpose confining my
breeding operations to regittered Ayr oreeding operations to regtstered Ayr shand all over the continent."

Maple Shade shorthorns by auction.
An occasion of exceptional
portance to bimon both sides of the line will be the disbulls, the cream of the far-famed Maple Shade herd, the property of Hon. John tised to take place on Frrday, June Eth, The Maple Shade herd was established lorty-eight years ago, and has been in
continual existence ever since, and hav ontinual existence ever since, and hav-
ing for years been strengthened by importations from the world-famed Sittyton herd of the late Amos Crutckshank, the herd bas made a reputacion for exdividuality second to none on this continent. And, while the herd for nearly
half a century has been in active competition with the best that could be very case returning with added laurels of honor, it is safe to say that never be ore were so many high-class animais
found together in this great herd, and these are the ones that on tune bth
be sold by auction without reserve, as overy animal offered will certainly be
sold to the highest bidder. Nearly all old to the highest bidder. Nearly all
the females are one and two-year-old heifers, and all old enough wwill either be
sate in call or have calves at foot, sale in call or have calves at foot,
representing in blood lines such rashlon-
able tribes as the Bessie, Brawith Bud, Village. Lavender, Orange Blossom, Rosebud, Duchess of Gloster, Lady Eden,
Nonpareil, Miss Ramsden Nonparelt, Miss Ramsden and Sotch
Thistles, a number of them being Toronto winners. The two bulls to be sold are high-class antmals, put up on showFuller particulars of the breeding of the antmals will appear in following issues of this paper. Of spectal interest to visitors from the United States will be the announcement that any animals sold
to cross the lines will be recorded in the American herdbook and tested. The sale will be held at the farm, Maple Shade, one mile from Broklin Station (G. T.
R.), and three miles from Myrtle StaIon (C. P. R.). Conveyances will meet a spectal G. T. R. train will leave To ronto on Morning of sale, stopping withficularsing of time of departure of this. Par-

CHILD'S SEVERE BURNS healed by zam-buk.
 Carhial P. o.r. rocenaly foll agathot the ly. Mre. Beot says: "The burn wa

 then sion got oold in it.t. It began to run
matter vory badly and I could not sto
 and morring At liat in ation, and very quickly hoaled the mound I have never peen a burn heal so quickly
and \(I\) am ourc Zam-Buk has no ounul tor
 keep box on hand to caso of emer gency. ',
Every Every home needs Zam-Buk ! All
diseases of the skin quickly yield to it diseases of the skin quickly yield to it.
It is also an excellent remedy for pllee
(blind (blind or bleeding), rheumatism, otc. And agists and stores, 50 c . a box, or
postpatd from the Zam-Buk Co., Toronto.


\section*{REGISTER YOUR} CLYDESDALES

To be eligible for registration, a graded
Clydesdale filly must have four crosses Clydesdale filly must have four crosses by Olydesdale sires recorded in Canada.
Stallions require five crosses. It will sive trouble and expense to attend to this matter early. For application forms, etc., apply to Accountant, National Live President, John Bright, Myrlle 8tn., Ont Secrelary-Treasurer, J. W. Sangster,
Weekly Sun Office, 18 King 8t., W., Toronte.




SECURE ONE OF OUR PREMIUMS

\section*{A Great Offering of Some of the Choicest SHORTHORNS Known in Canada.}

\section*{Forty Selected Females and Four Extpa Bulls}

FROM THE WORLD-FAMOUS MAPLE SHADE HERD

\author{
Owned By \\ JONH DRYDEN \& SON, \\ Brooklin, Ont.
}


\author{
To Be Sold \\ BY AUCTION ON JUNE 5TH, \\ Next.
}

These cattle are the descendants of choice specimens, personally selected in Scotland from the great herd of AMOS CRUICKSHANK

Choice Individuals, Cruickshank pedigrees. Regular breeders.
The cattle will be sold, rain or shine, under canvas, at the farm, near Brooklin. A SPECIAL TRAIN will leave the UNION STATION, TORONTO, at 9.15 A. M., FRIDAY, JUNE 5TH, landing passengers at the farm. Returning will leave the farm at 4.15 P. M., reaching Toronto in time for trains west and north

The catalogues are ready. Send for one.

GOSSIP
Clydesdales at kilararnock. At the annual spring show at Kil-
arrnock,
Scotland, last month, prizes were, as usual, offered for Clydesdale
colts, mares, fillies amd peldings, and the colts, mares, fillies amd geldings, and the
competition was keen, there being a large entry in every section, except for yeld mares. The Scottish Farmer says : The unprecedented success of the Baron's Pride
yearling colt. bred by Mr. John Cocker. yearling colt, bred by Mr. John Cocker,
Hill o' Petty, Fyvie, and owned by Messrs. bright, was generally approved. He was awarded first in his class.
Championship, the Clydesdale
rety's medal as the best yearling or or
wo-year-old of either sex, and the Presi dent's gold medal as the best Clydesdale of either sex on the ground. He was similarly successful at the Aberdoen pring Show five weeks ago. His dam pas a mare by the H. and A. S. oham
pion, Prince Thomas (10262), and he is very handsome, upstanding, well-ribbed colt, with the best of feet and legs, and ery close movement. His limbs ar moves wrong. Reserve to him for all open honors stood Mr. H. B. Marshall's very handsome, upstanding two-year-old
filly, Sarcelle, bred by Mr. Anderson, Min, Sarcelle, bred by Mr. Anderson Comisty, Huntly, and got by the cham-
pion sire, Everlasting (11331), also out of a mare by Prince Thomas won first in her class and the female championship. Last year she was second
at Kilmarnock, first at Glasgow, and at Kilmarnock, first A. S. Show, Edinburgh. She also won the Clydesdale Horse Society's me
other local prizes.
wonderfully, and is now a big. sweet good at the ground
brood mares, there was a fine display Mr. J. Ernest Kerr, of Harviestoun, was placed fyrst with his celebrated champion, Pyrene, champion at Glasgow and
the Royal in 1907, and Cawdor Cup champion in 1906 . In a strong class of
two-year-old colts, Mr. Kilpatrick's St. two-year-old colts, Mr. Kilpatrick
Clair, the winner at Glaggow Clair, the winner at Glaggow Show, and got by Sir Humphrey, was
phot first. He had a strong opponent in
He

Invest Now in Land in the Canadian West.

We hold the exclusive agency for large blocks of rich, spe cially-selected Canadian Pacific Railway lands in Western Canada
from
\(\$ 8.00\)
Per
Upwards
Our Fourth Cheap
Excursion
Leaves TORONTO, TUES-
DAY, MAY 26 th. Fare to
Calgary, \(\$ \mathbf{\$ 0 . 5 0}\) and re-
turn. Our own representa-
tive is in charge of each car.
Ask any C. P. R. agent for
particulars.

TERMS Remarkably EASY OR May be Bought on Half CROP PAYMENTS

One year's crop frequently pays for the land.
This is an opportunity to secure the best bargains in farm lands obtainable anywhere, on terms not offered by any other company

We will run additional excursions on the following clates June 9th and 23rd; July 7 th and 21 st; lugust 4th and 18th September 1st, 15 th and 29 th

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French Coach Stallion for Service GAUTHIER 33B3.


Bire of more winners than any other Coaci suailon in Canada. sired by Regentionp., only
beaten onoe in America. Dam Gabrielli, imp.


 Home stand Meator
For particulars write
H. M. Deuslas, Meaford, Ont., Owner, P. 8. - The above illustration is taken from a
a.ctual photograph.


One thing more than any other
wrecks the hopes of thousands of poultry raisers-lice. A louse-in-sources-a bit of property that represents loss. There's nothing in them but trouble and worriment-
don't keep one. It isn't necessary to be rid of hens because of
however. Simply dust hens, roosts, Instant Louse Killer

 as tose slugs It is also a rellabic di-in
fectant moddecodorier set that the word
Instant appears on the can. SOLD ON A WRITTEN GUAR

In Shaker-top Can

DR. HIESS \& CLARK, Ashland, Ohio, U. S. A.
Howglen Ayrshires
 allan p. blue, eustis, quebec please mention this paper.

Questions and answers. Miscellaneous.
VINEGAR FROM MAPLE SAP.
A Nova Scotia subscriber writes: :"


 haraly sweet enough without adding
some sugar; then add about three cups
on of yeast; botlle up, and let ferment, an
you will have a very nice-lavored vine
 recipe. heifer bloating. \begin{tabular}{|l|l|} 
A yearling heifer bloats often, and \\
sometimes the bioat disappears of its \\
bit
\end{tabular}
 good hay and all the oats she will eat
Have given her some pulped mangel sals
once her all te time.
Ans.-Next time she shows stgns
I. \begin{tabular}{l}
\(\begin{array}{l}\text { bloating give a pint of raw linseed oil } \\
\text { with two ounces } \\
\text { (eight tablespoontuls }\end{array}\) \\
\hline
\end{tabular}



diarrhea in calf
Please answer enquiry how to stop
diarrhea in a calf.
SUBSCRIBER. Ans.-It is good practice, first, to give
a dose of castor oill, two to four tande spoonfuls, according to age and size
call, to clear out any irritation in tho bowels, and, atter purging, give a rav
egenk broken in the mouth, litting
call chew the shell holding its hend calf chew the shell, holding lits head
with the hand for \(a\) minute or Feed lightly for two or three days, al
ways warming its milk to blood heal ways warming its milis th olodim water
and adding about onesixth of lime wate
and to the milk. Take a lump of lime and
slake it by throwing a little water on it
 is lime water. Some stockmen have
claimed that a cup of strong, black tea, given ag a drench, will stop diarrhea in
a call. For a bad case, give two to four
and catechu and three drams prepared chalk every
ceases.
YEAST TREATMENT-COR
CULTURE-WATER SERVICE.
About a year ago I remember reading
about yeast treatment for barren mares Will you please republish it?
1. is it the common Roval cakes that we buy 6 for 5 cents that is
ased, and how many? What kind of syringe is used? Would tin tube 1 t on
if inches by 12 inches, with taper end 1t inches by 12 inches, with taper en en
and a plunger do? Could any intelii 2. Not having enough manure to corn and roots, would it be prontitable on
clover sod trom which seed was taken last fall, plowing in spring to put on
fertilizer for roots? If so, what kind, and how much ? a. I have a cement water tank outside barn. 12 feet by 6 teet and 2 le le lell
deep; bottom of tank about level with cow mangers, which are about 20 feet
from tank. Would there be pressure
enough to supply cows with water in enough to supply cows with water in
drink basins, and what size pipe would
be needed to supply 20 head of cattle ? Ans, 1 . Yes. See answer to same
questions, pare 844, this issue. questions, page 844, this issue.
2. Barn-yard manure spread on the
mpero plowing, or if manure before plowing, or if manure is
t., spread on surface after plowing,
disked in, should give good results disked in, should give good results fure is will at anded to. and rise to it level in the tank, in which you would re
quire float to regulate the flow to the quire float to regulate the now or threer
drink lasins usink a one inch

"One Minute" Washer
FOUR \(\left\{\begin{array}{l}\text { 1. Easy to operate. } \\ \text { g. Not hard on the clothes. }\end{array}\right.\) FOUR
GREEAT \(\left\{\begin{array}{l}\text { 9. Not hard on the oloth } \\ \text { EATURES: } \\ \text { 3. Oonstruoted of the be } \\ \text { 4. Moderate in price. }\end{array}\right.\)
For sale by one doaler in every town in Canade. Write us
to-day for the name of dealer in your lookuity, and we will maill you free ciroular youncriboality, the
mertie of this machine.

White, Ehrhardt \& Coo, Logan Avo.. Toronto, Can.
Bruce's Big Four Root Spacialiiss,

Bruce's Giant Feeding Sugar Beets.
The best in existence, introducoed by us in 1900. Sales in \(1907,9,800\) Ibs.
We offer two varities-white and rose,

 points and 16 c . 1 lb . to NewBtates.

Bruce's Mammoth Intermediate, Smooth White Carrot.
The favorite field Carrot
\[
\begin{aligned}
& \text { splendid for horsee. In } \\
& \text { duced by us in } 1890 \\
& \text { Prion }
\end{aligned}
\] Canadian points, and 160. to Newfound- \(\begin{aligned} & \text { postage to Canadian points, and } 160.1 \mathrm{lb} \text {. } \\ & \text { to Nowfoundland and the United States. } \\ & \text { land and the United States. }\end{aligned}\) FREE.-Our 100-page Catalogue of Seeds, Plants, Eulbs, Implements, eto.
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Establlshed 1850 .

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1 Colic Draught.
6 Coush Powders.
1 Wound Lotlon.
6 Dlarrhcea Draughte.
Bruce's Giant Yellow Intermediate Mangel.
The favorite variety with all cattle men ; introduced by us in 1891. Soles
in \(1907,16,785\) lbs.
Prices:
a-lb.,
 Add \(50 . \mathrm{lb}\). postage to
Canadian points, and 160 . lb. To Newfoundla.
the United States. Bruce's New Century Swede Turnip. The best all-round Swede Turnip in exitence.
\[
\begin{aligned}
& \text { splendid for horses. In } \\
& \text { duced by us in } 1890
\end{aligned}
\]

Established 1850

12 Condition Powdere.








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Come and soe this now It worll interost youl，also the Quartor－mile Track for showing and exercising







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 GRAHAM－RENFREW CO．，LTD．，Bedford Park，Ont．

Shires，Shorthorns and Lincolns．

 animals；also an eroellent lot of \＆omale Sons，HIghfleld，Ont． Toronto， 14 milles．Weston， 3 miles．
\[
\begin{aligned}
& \text { |MP. OLYDESDALE STALLIONE AND FILLIES.-Our now importation o }
\end{aligned}
\]

WHEN WRITING ADVERTISERS，PLEASE MENTION THIS PAPER．

QUESTIONS AND ANSWERS． Miscellaneous

MARE LOSES FOAL
 acetate of lead and two drams carboli
acid to a pint of water．Do not wash
it would be good practice to give purgative ball of eight drams aloes and
two drams ginger，following，up with
one and a half ounce Fowler＇s solution
of arsenic twice daily for a week． A Clouded title． A settled on a lot of free－grant Ian
and obtained his Government deed．
went dent away
axes we xes were always paid．Some te
ars ago he sold the lot to B ansfer），but，on registering the same claim to said lot，and induced D
him \(\$ 200\) ，and this mortgage
 should he take to have the registry car
celled，as C never had the climht
statement to D？
Ontario．
Ans－ B should bring an action against
C and D in it ar a dislocation of patella． 1 have a colt，three years old，that got
his stifle out．Put it in at the time
W． Was all right for alhout three weeks
1 was advised to blister him，and did so
and left him another

the time，
wrong
How

out has been correct，and time and carrier
解 to keep him quiet and not would be him
necessary，hopeat for some time
HENS NOT LAYING





ACTION DEVELOPERS
 Illustrated pamphlett．testimonials and price G．E．GIBBON，OAKHAM．ENGLEND． Shetland，Welsh and Iceland Ponies



E．DYMENT．Oopetown，Ont．




2 Aged Imported Clydesdale Stallions
 （uaris．price very reasonable．

MR．A．I．HICKMAN， Court Lodge，Egorton，Kent，England，
 heoe，and more poniem，more Romney Marnil
any otber breeder amporo Oford Down tha
 Githe shoen and pigs．Co
Highest reforencess
given，
FOR BALE：CLYDESDALEE STALLION rising 3 years this spring．Grandson of Imp．
Bold B


 NGLE， \(\mathbf{Y}\) E，Gatorloo Ont

Clydesdales，Shorthorns and Cotswolds－Fo Viduals of alooverbeedred and choicest ind
Cotswold and Clydead arite mot importion mew
will rive early in the geabon．importation will
C．Ross，Jarvis．Ont．，P．O．and sta．
 SECURE ONE OF OUR PREMIUMS


Imported Shires!
From the famour breeding farms of
JOHN CHAMBERS \& SONS Holdenby, Nowthampton, England
 from the fact that while we have nothing forcod for ex-
hibibiton purposee these horses won in the ghow-ring it
 spervice, among them several handsome two-Year-010. will be ready for ingpootion an
 C. K. GEARY, St. Thomas, Ont., Agent for Canada and the United States

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\section*{2 IMPORTED CLYDESDALE FILLIES} Birrod by Prince Alexander and Maegreosr's e hamplion, reoorded in Olydeosale Stud Robt. Moliwwon, Byron, Ont. \(\qquad\)

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8IMCOE LODGE GLYDESDALES



OAK PARK STOCK FARM HACKNEYS !



Clydesdales mpad nad ananabind ind

mymia, out., 28 28 imported Clydesdale stallons and Filliee 25



Imported
Clydesdales


QUESTIOMS AND ANSWERS. Miscellaneous.

LICE ON COLT I noticed the hair coming orf of my
colt, and on examination found lice o thase soots where the hair was off, and
allso, there war a pent also, there was a soab. Please tell me
what will take the lice off of him. Ans._It would be well to have the Ans.-I . Would be well to have he
colt clipped, as treatment would then be
more effective. We would recommend
 water and soap. Then wash with
solution of corrosive subhmate, grains o a quart of warm water, and
repeat the application of the sublimate repeat the application of the subhmate
solution taily ior throe or four days on
the scans, na the indications are those of solution daily for three or four days on
the scabs, as ihe indications are those o
eccrema as well as as ice. eczema as well as lice.
BINDWEED
 it up; shook the roots clean, and liff tin
the sun ot wither. It sprouted up from
roots left in the roots left in the ground. II then covered
the patch with two feet of




 sprayed thoroughly without any beneficia
results.
Can you tell me what to do
to results. Can you tell mo what to do
to eradicate the bindweed from my land
G. H. N .
 Whale surface soll erterinted olly by
hardy, and can be externough system of a prolonged and very thorough system on
cultivation, designed to starve the plants by preventing them from throwing ur
any
tops to
elatorate
additiona Plant food. Beginning early it spring,
cultivate every five or six days with dials continue ot the end Do ind oftor enough
to prevent the plants trom getting ing green leaves above the ground. This
 more inclined to stimulate than to over-
come the weed, but, bout aut August, per-
severance will begin severance will begin to be rewardod by a
perceptible
hinning and weakening: and perceptible thinning and waikeaing in
if the first season of such tallowing does not finish it, the second will.
ALFALFA SILAGE.
I am pleased to be a member of "The
Farmer's Advocate " family, and am always glad to get the weekly visitor. I
maw in April 18 th issue, page 698, saw in April 16 h issue, page beas,
report of the Kansas Experimental sta-

 be much the same as in hay, or would
the protein be less? Would it be as
then well a balanced ration to mix with corn
gilage as if it cured for hay? Could the knowledge of the professor be ob-
tainable on this subject? Ans.-Comparatively little work has been done with alfalfa ensilage, although
idea is not a new one by any means. page
page
for March 5 th, The Farmer's Advocate,", 1908,
J. H. Grisdale, agriculturist of the Central Experimental
Farm, Ottawa.
told, brlefly, the results of experiments with allalla silage there. It appears they have obtained best re-
sults when alfalfa constituted about onehalf the bulk of the mixture, the other
hali being corn or clover, or a mixture
of common clover and timothy. While the digestible protein content of alfalfa good hay madefrom an equal quantity of green alfalfa, yet the siloing process
leaves a sufficient proportion of protein to render alfalla silage a first-class com
plement of corn silage.
obiection is the acid. It principa
It not wise to

a into hay, and ensile only the co
In the absence of sufficient corn to


Has Initators But No Compoitiors. A Safe, Speedy and Positive Curo Eor





The Lewron no-Willams Co., Torsato, Ont.
You Can't Cut Out
 ABSORBINE





CLYDESDALES
 SHORTHORNS
 James moarthur, Gobles, Ontario. Dr, Bell's Voterinary Madical Wondor

 Brown Swles Cattle prenoh-oamadian honees.

 prion. Wo roppeosent oxality an the nimal le. a. E. STAMDISH. Ayor's olle P. O.


Sunnyside horofords
 nd boo them and.
 Herefords \(\begin{gathered}\text { Wo have nome } \\ \text { dioblopempleu }\end{gathered}\)
佥 ABERDEEN - ANGUS

 Aberdeen - Angue Bulle Two nioe young Aberdeon-Angua bulle . w. BURTt Erin station, C. P. R. R.
Aberdeen- surfolik pown Angus It you reguiro otither of those Cattle Jamos Sowman,Em Park, Quatiph Aberdeen-Angus inis. 15 to til montits s. som
 Rooklado. Ont. O P.B. and G.T.R.

SUFFERING WOMEN
tho find lifo a burden. oan have moalde and trongth rentornd by the uno of

\section*{Mllburn's Heart and Nerve Pllis.}






 mod phry
 For ond ber touble rumded sid vir


Prioo 50 cinter per ber or throe boxice for 81.25 ,


SUIIIYSIDE STOGK FARM



 Broekedale. Ont.
BHORTHORNS
Ohoioe heifors one and two years old

Scott Bros., Highgate, Ont
\[
\text { M. C. } \mathrm{Ry} \text {. and P. M. By }
\]

Brownlee Shorthorns \({ }_{\text {stool }}^{\text {-Very heavy mill mand breeds; }}\)
 Canada, and fow betier individuals. For rale:
Seven bulls from 6 to 19 months of age, six


\section*{Athelstane Bhorthoms I} Three ohotoe bull from 9 to 18 monthe and nort. of tamiliies: Rosewood, Butuerfil, Rosaling,
and Countess, and motil sired by the Brace
and
 GREENOOKS SHORTHORNE, Imp


Shorthoms and Lelcestern In Shorthorns, A Aew females, different ages of
good millikus family. Half dozen shearting good milkiag
Leioester owes.
den
John Llehman. Hasereville, Ontarlo. FOR SALE, A shorthorm Bulle it for



\footnotetext{
"Mamma,
}

Oh, I know," chimed in on
with all the superiority of an elder sis ter; "twins is two babies just the same rupeds, and five is centipedes.

\section*{Black} Watch

A new sensation.

Chewing
Tobacco

Areal
pleasure.
The big black plug

QUESTIONS AND ANSWERS
Miscellaneous.
DISSOLVING BLUESTONE. In preparing Bordeaux solution should
the bluestone be dissolved in cold or in
hot water, or does it make any differ hot water, or does it make any differEnce? \(\begin{aligned} & \text { E. H. M. } \\ & \text { Ans.-Hot water facilitates the opera- } \\ & \text { tion, and the resulting solution is in }\end{aligned}\). Ans.-Hot water facilitates the opera-
tion, and the resulting solution is in
every way every way as good as though cold water
had been used to dissolve the bluestone. GOITRE IN LAMBS.
Can you give the cause and a remeds
or lambs being born with a swelling in the throat? They live only a day or
wo, and are soft and flabby Ans, and are soft and flabby.
Ans.-This is goitre or enlargement in death of the lambs afflicted, unless the
swelling is detected swelling is detected within a day or two after birth, and the growth dissipated by
the application of tincture the swollen parts, which is generally
effective, provided the wool is closely shorn or shaven, so the iodine is applied
as a paint on the naked skin, over a little on the nokond the skin, over and
believed to be partly
the is believed to be partly due to lack of exer--
cise of the ewes while carrying their lambs, and often to too liberal feeding
of the ewes with roots. We have never
known it to appear where ewes are fed known it to appear where ewes are fed
dry food and have a roomy yand to run
in.
\(\qquad\)

Aho

\begin{tabular}{|c|c|}
\hline Maple Home Shorthorns ! & J. \& W. Russell, Richmond Hill, Ont, \\
\hline 2 Sor preaget Aforing it emeral &  \\
\hline  & ditam of woild \\
\hline  &  \\
\hline
\end{tabular}

spRIMg Valey shotituons R. H. REID,
 run them over illso a choice lot of cows and
heifers, bred to the champion, Olipperchief, imp
KYLE BROS., AYR, ONTARIO. Iovar Lea 8took Fapr
PINE RIVER, ONT.,
BREEDER OF SHORTHORN CATTLE olden Oross (imp.) at head of hord.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{\multirow[t]{3}{*}{\begin{tabular}{l}
5 IM PORTED Shorthorn Bulls \\
Herd headed by the grand champion, Prime Favorite, imp. You cannot afford to buy without seeing these bulls. We will appreciate a visit. Females of all ages and most popular lines of breeding. Bell telephone on each farm. Burlington Jct. Stn., G. T. R.
\end{tabular}}} \\
\hline & & \\
\hline & & \\
\hline
\end{tabular}

\section*{SHORTHORN BULLS The Salem stock Farm} At the disperraion of the "Thistle Ha" herd in
Jan. 1 1006. I purchased a few of the begti bread
Ing
 Sther particulars Apply to
JOHILLER, SHORTHORNE A SPECIALTY. WRITE
FOR ANY INFORMATION.

Brougham, Ont. Claremont Sta., C. P. R.
J. A. Watt, Elora, Ont.


Home brear Br118
 swo. cunancy. Hand CARGILL \& SOM, Cargill, Ont.

suaplo Girove




SCOTCH SHORTHORNS


mie for prices on what you want.
J. F. MITCHELL,

TWO RED BULLS A Clipper and a Marthe. Priced low for quiol
 Imays have on hand some good,
Cor bale. Long-distanoe phone.
J.T. Glbson, Denfield, Ont.

Shorthorns! BELMAR PARC.
Jetm Eemeles, Pater White,
 Momparevil Arehor, Imp. Prous alim, Imb. Marigetll sallor. Monjavoll Leollowe. Fomaleo. Imported and from impert
ed took in ouil to these bulle.
An enderpaneod lot of yourling haltiors.
Pleasant Valley Shorthorns

 GEO. AMOS \& SON, Moffiatt, Ont., Stn. \& P. 0
 Heights Shorthorns buch notad bulle se Derhall Remsadon. Priced for quick sale. HUDSON OABER,
Farm three miles north of Niagars Falls. Farm is 11 miles east of Guelph on C.P.R., Farm three miles north of Niagara Falls.

Farmers and Cattlemen Read This



 consignments.
charge of canphe attendents for the
at all the different British markets.
\[
\begin{aligned}
& { }^{1854} \text { Maple Lodge Stock Farm } 1908 \\
& \text { Four handsome yound ghorthorn bulls for } \\
& \text { a. w. smith, maple lodge, ontario. } \\
& \begin{array}{l}
\text { A. W. 8MITh, MAPLE LODGE, OMTA } \\
\text { Lucan Crossing Station, G. T. b. }
\end{array}
\end{aligned}
\]

Valley Home Shorthorns

 and


horethorora Eetlla
 OUNG SHORTHORN BULLS: BCOTCH SHORTHORNS!



QUESTIONS AND ANSWERS Miscellaneous.
- How to FEED ANIMALS. In your valuable paper, and in the Farms, I've read something as to the best way to feed stock; or, in other words, the best feeds for the various kinds of stock, but have falled giving ani
anything as to the system of git anything as to the system of
mals their food. For instance, it is stated that hay, oats and bran, mixed in proportion of two-thirds and one thind, with a little oil-cake meal daily, etc., etc., is the proper ration for a horse. farm horse after being watered, should a farse, then say, in hall get his hay first, and then, or should the an hour, get his gim immediately after watering? I would like to get some in milk cows and farm horses. Corn, as you know, is not grown here to any
great extent, hence we have no ensilage.
w. 0 . Ans.-In all such matters, the feeder
has wide latitude in which to exercise his discretion, and it wuld usually detract irom the value os to just when and how
lay down rules as to a particular feed is to be given. In \begin{tabular}{l} 
feeding horses, our own preference is to \\
give hay frrst thing in the morning and \\
\hline
\end{tabular} first thing after coming in from work, so that he may lose no tíme in feeding
especially in the morning and at noon
When it in conventent or When it is conventent, or, it may be,
when he has eaten enough hay to make
him thirsty, water, and then feed the grain. It is all the better if a quarter or half hour elapses between the time of
watering and feeding grain. With cattle it is, persaps, better to water after they
have filled their paunches with forage. have filled their paunches with forage.
Nature indicates this as the time when water is needed. The general subject of
feeding was well covered in our columns
lity reeding was well covered in our coluin in
last winter, and will be traetied again
due season. In lieu of corn, grow plent of turnips, and, if engaged in dafrying mangels and sugar beets.
1. What is the cause of garget?
2. What effect has it in the cow udder?
3. Is there any way to prevent this disease or any cure for it?
4. If a cow has garget, is there any possibility of her going wrong in all her teats? Would it be advisable to winter a
5. cow that has gone wrong
6. Is this disease contagious in a herd of cattle ?
7. Is garget hereditary?
A. M. Ans.-1. The specific causes of garget
are injuries, sometimes from adjoining are injuries, some the udder, from crild
cow tramping on
floors, or the introduction of germs by dirty milkers.
2. The symptoms are swelling of one 2. The symptoms are sweling There is
or more quarters of the udder. Ther
considerable beat and pain, sometimes causing the cow to walk lame, the parts
being sensitive to the touch The supbeing sensilive from the quarters affected
ply of milk become less than usual, and thick, ropy
or bloody milk may be dischargea. or bloody milk may be discharged.
3. Preventive measures might be used
it the apuroach of the ailment were noticeable, but such is not generally the
case, as no warning is given before the \(\left\lvert\, \begin{aligned} & \text { case, a a no warning is given before the } \\ & \text { trouble is present. } \\ & \text { at it is goon as it practice } \\ & \text { as is noticed, to give a pur- }\end{aligned}\right.\) as soon as it is noticed, to give a pur-
gative of 1 pound Epsom salts and a
teaspon an of salpetre dissolved in a
quart of hot water and given as a
quat drench when cooled. The saitpetre may
be continued for a few days in feed. be contmued for a few days in feed.
Bathe the affected parts for hall an hour
or more three times a day with hot water; rub dry, and rub well with a
mixture of spirits turpentine and goose
oil or lard. Milk out all you can get from the affected quarter at each bath ing. Yes, though generally only one
4. Yes, at a time is affected.
quarter We think not.
5. .
f. some coses it is, heing carried
from one cow to another by the milker,
but not generally.
7 It is not considered hereditary, as
7 . It

Stook-palseps Getting Betten Results Than Ever Before. If the stock-raisers that are with Barnes' English Compound did not get the very best results, would they keep on buying it to sil cans more and tell me that itis the best they have ever used If your friends find my formula rifom the secret preparations and know that you are using the pur est modicine in concentrated that will fatten and condilition your stock as it has never been before.
Whoroughly mix one pound of six pounds of corn medi and three pounds of linseed meal. canill send poatpaid one-pound for 50 c . \({ }^{2}\) gilish Compound with full directions.
S. G. AMSDEN. Bnx 668,

MOLASSINE
MEAL
No other food oan prove that the use

號
91 Youville Equarse. Montreal.
Shorthorn Bulls


I have for sale tour as good young bulle as I evar offered to my oustomers ot my best times. For type, quality and breed-
ing these are up to the standard of first ing these are up to the standard of first
class. Write me for partioulars, of come and see.

ARTHUR JOHNSTON, Gmeenwood, Ont.
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nood colors, both from imported sire : one from mportied dam and the other from a cliemenvin
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Lakeview Holsteins ! Hor her head by Count Hengervold
 ,oerold battor cor.

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a. W. Clomons, Bt. Goordo, Ont Queen City Holsteins Big \&mooth cows. The sort that are oftcially teitod in both geven lootrio Ey. Long distanco te tephone .
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\(H\) RIDGEDALE FARM HOLSTEINE-For Olde: 2 heififer oalves. All bred from choice dam.
 Glenwood Stock Farm-Holotoing ind



QUESTIONS AND ANSWERS Miscellaneous.
UNSOUND HORSE-FENCE REMOVAI
1. If a man pays over \(\$ 100\) for \({ }^{\text {a }}\)
horse, is that any guarantee that the hores is sound? Or, it horse is not
sound and good, can he claim anythin sound and good, can he claim anythin
trom man who sold him the horse ? rrom man who sold him the horse ?
2. Give proper way to hotty a neigh
bor to remore line buit on our land.
b. How long must he have notice b 3. How long must he have notice b
fore we can make him move same? Tore we can
Ontario.
and
Ans. -1
2. It ought, preferably, to be in writ
ing and handed to the neighbor by someone Who would be available and satistactory
as a witiness, if necessary, later on. The
toom the the torm of the notico is immaterial so long
as it clearl| reupures a r removal of the
encroaching fence forthwith. 3. He is not
length of notice

GAS-METER INSPECTION Could you inform me, through you
paper, if the Government sends inspector to inspect gas meters marked with Cana
dian
covernment seal, providing the dian Government seal, proviaing the
users are not satisfoed with the may they
register, or what steps chan be taken then register, or what steps can be taken to
know if they rogister correct? Ans A subscriber. the reading of his gas meter may notify the Dominion Government's district in-
spector of gas meters, who then notifes the gas company to bring the meter to
his local
oflice to be inspected in the course of his monthly round. If the
complainant proves to have been mistaker
 him on ha is corract In has suspiclon
hind the meter is at fault, the company and the meter is at fault, the company
pays the cost of inspection. It is pro
paded that in cose the meter to Nided that in case the meter to found
Uslow," say to the exten of 10 ppor
cent., the company is entitled to charge
che he patron a proportionate levy on the
mount of his last throe monthe
mad bills. .on the ouer hand, it it it found
io be " last," a corresponding rebato is norder. The inspectors anding orebete is is one in London, one in Hemilton, otc, and each local oficer in gas centoror with
in the territory ho covers. Inquiry
through the gas comen Lrough the gas company, or otherwish
ocally, wiul sutice as a mean of getting
on touch with the proper MANGE - EWE DISOWNING

1. Could you give me a cure for
nange in collie \(\begin{aligned} & \text { dog? } \\ & \text { Hair }\end{aligned}\) is coming If. Can I do anything to make a ewe
2ake har lamb ? I have two that each
and ake her lamb I have two that each
lave a lamb, three weeks old, and they nhi not let them suck, unlese I amy
here, when 1 have a hand on them they
Ind stand all right. Had them separated
rom the rest of the Aock, but they were
oot any better. How old will they need 20 be to be weaned on grass?
3. Sow has gon over her time a wek.
She has pigs in her 1 am sure.
Her
 seem to try. Could the pigs be doad
inside her
Ans. -1 . Clip the hair off close. W. Wive
 tanlespoonfuls to a pint of warm water
ince a day, till dog stops rubling, akin
 days in a small pen forkued of low
hurdes. Smear lambis back and rump
with cases bringing a dow into tho pen causes
the eve to take to proctcting the lamm
and she will mother it atterwards. Lambs
\(\qquad\)



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 calves from best oows. Will leave for sootiand shortly to im

 Long-distanoe 'Phone. MANTER \&ONE, MILLE, ONT


 AYRSHIRES Yoang bulls from prod oding


Spring brook ayrshires aro notee



Burnside's Champion Ayrshires




R. R. NESS, Howlok, Que.

THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS Miscellaneous.

SWEET CLOVER.
Is sweet clover sown alone, or is in
own with anser
anse crop, as other clovers 2. Can the seed be obtained from the
eeximen? If so, at what pricice per


Turns Bad Blood into Rich Red Blood.
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JOKE ON ROYALTY. The Frince of Wales is fond of telling
a good story on himself in connection
with his visit to Ottawa some few years ago. It appears. His Highness is an enthusi-
astic biçchist, and while at Rideau Hall a very prominent member of the Govern-
ment. knowing his liking for this form of exercise, presented the royal visitor wit The Prince, then Duke of York, stole away for a quiet spin early one morn-
ing. and in his ramblings met a farmer, headed market wards, his waggon
temporarily stalled by the loss of a nut
belonging to the whiffletree bolt. His Lemporarily stalled by the loss of a nut
belonging to the whiffetree bolt. His
Highness. With his usual democratic Highness. with his usual democratic
kindness. assisted the man to find the lost nut, and to couple up again.
In parting, the farmer expressed his
rough thanks, aad asked if he might ough thanks, aad asked if he might
num the the name of the ". person "to

\(\qquad\) .1

4. If cot for hay before it goos to sod
will it die out. or will it grow again?
IP. E E

Ans.1. Inasuch nos sweet in in in is

\section*{y to be capable of growing a very good
rop of grain, it would seem wise to sow}



at the genus Trifolium
2. We find
it 1 isted in the catalogu
 Large 1 tots would probably be oheaper.
3. Atout 15 punds.
4. Sweet clover is

 year, providing it is of hay in its seco
oure conch time b
oring into bloom ore coming into bloom. We would no
recommend the use


 FOR SCABBY SEED POTASOED - POTA
1. Is formalin used for treating barley
infected by smut the same way as for oats or spring wheat? As my barley was quite smutty last year, I would like
to destroy the smut germs this year be fore sowing, but have never heard of anything being used for barley.
2. How is formalin used for treating seed potatoes that have been sorted out
of a pit containing scabby potatoes? of a. pit containing scabby potatoes?
3. As I have a barrel Spramotor for
syraying my orchand, would it be neces syraying my orchand, would it be neces
sary to treat potatoes with formalin if
I used notato stocks while they are green for
killing bugs. and, also, to prevent rot
and scab? If so, what mixter be best ? "ONE WHO Ans.-1. Yes; formalin is recommen
\(\qquad\) 2. Soak the whole tubers before
ting for two hours in a solution of
ounces formalin in ounces formalin in 15 gallons w
1 ounce formalin in 2 gallons of A ounce rormaln in ee gallons of water
After treatment, keep the potatoes from
contact with vessels that have contained scabby potatoes.
b. No spray or other treatment that
can be applied to the tops will be of any a avail in preventing scab. Treatment
of the seed potatoes, as above, is the means of coping with this disease.
destroys the spores on the tubers. course
the
Whanta
the s
planted
be null



Oxford Domen Shoep, shorthorn Cattle Yorkshire Hoss.

CHESTER WHITE HOQ The hageit herd of boon-ippo Obontop Hito


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Yorkshimes A ohoice lot of boarg an







Large Engllsh Berkshires

 Or P. T. R. .
JOSHUA LAWRENCE, OXFORD CENTER, OWT.

\section*{QuESTIONS AND ANSWERS} Miscellaneous.

TENANT LEAVING - ADMINIS TRATION OF ESTATE. 1. A rents a farm from B for a term years. After living on it for a yea
buys a farm, still holding B's farm. A moves, taking all his stock and imA moves, taking all his stock and im-
plements with him, can B hold him re-
sponsible sponsible for the rent?
2. A died without a will, leaving a Wito and died without a will, leaving a wife
minister \(p\)
A. What share of the property could

A's whe el
Ontarie.
Ans.-1. Yes.
2. Ondinarily
party to do so
WHITEWASH
Some \&ime ago I saw a recipe in "The rarmer'a Advocate" for making a cheap
paint or Whitewash for fences and outbuildimgs. Some of the ingredients, if I remember correctly, were lime and rice.
Having lost a few numbers, I am unable Having lost a few numbers, I am unable
to find the recipe again. Ans.-Take onehalt
slack, withe boiling water, make into a milk, and strain through a fine sieve. Add to this a peck of salt, dissolved
warm water; three pounds of rice, boile to a paste and stirred in while hot, half
a pound of Spanish whiting, and one pound of glue, previously dissolved in a glue pot over a slow fire. To this mix
ture add five gallons of hot water: it well; cover, and let stand for a fe
days. This mixture is best days. This mixture is best applied
and a pint will cover a square yard. IANDLORD'S OBLIGATIONS A TO MAINTENANCE
rented a farm
1. If the sills under a barn floor,
driveway, become so rotten as to be
safe for team to drive over, as be ur
is it to replace, the landlord or tenant
renting, is stable floor, at the time tenant's is partly worn, and during term, through ordinary we tenant or landlord replace the same? 3. Is mot ordinary wear and tear pected from a tenan
rangement
rangement to the contrary, it is
landlord'd landorde duty to put the building
safe and serviceable condition.
2. The landlord.
3. Yea, in the reasonable and ordinar


DONT THROW MONEY TO THE PIGS

\author{
The mine owner gets his gold
} mixed with owner gets his gold with other metals. He gets out with other metals. He gets out all the gold and then makes in ad-
dition what he can from the lead dition what he can from the lead and silver, the dairyman's gold is cream
The skim-milk his principa! "by-


QUESTIONS AND ANSWERS Miscellaneous.

FAULTY MILKER I have a registered Holstein meiler,
years old, calved about a month. ends of her teats seem to be tur wed
that the milk just comes out all your hand; in fact, I cannot milk her; an letting calf suck. Her udder is pet and she gives a good mess of milk.
1. Could anything be done to impi
he teats?
2. Another heifer, same breed and age has been physicked several days, keep
straining after bowels move, is ied timothy hay, corn meal and bran (mixed),
and sugar beets. What would be gool and sugar beets. What would be good
for her? Ans,-1. A wooden plug placed in the
orifice of each tean, and left in between
milkings might milkings, might cause the parts to take
proper shape after a few days. The plug vent it dropping out. This bas been advised in the case of hand milkers. She
could be milked by meaps of milk could be milked by means of milk tubes
or siphons, but there is always some
donser of danger of injury by infection or oth
wise in their use. 2. There is probably some internal ir
ritation which might be removed by giv
ing a pint to a pint and a malf of raw ing a p
inseed UNTHRIFTY MARE-FEEDING GRAIN TO HORSES-CLOVER HAY FOR COWS - MIXING
FEED FOR CATTLE. 1. What is the best feed for an old
very greedy, heavy mare, whose hair very greedy, heavy mare, whose hair
stands on end and does not thrive well?
2. Give the begt mether 2. Give the best method of feeding
grain to horses?
3. Would it be profitable to feed good 3. Would it be profitable to feed good
lover hay, worth \(\$ 10\) a tom, to cows, if you had plenty of good wheat straw?
What would you advise?
4. Would not the same results be 4. Would not the same results be
gained if roots were fed whole to cows,
and chop on with good, clean, whole straw kept constantly before them, as if
cut, pulped, and mixed? If you have
plenty of good, clean straw, will the replenty of good, clean straw, will the re-
sults not be just as good if it is fed

\author{
probable they are not in very elth-
ient condition. If not in foal. give her
}
purgative of 8 if not in foal, give her
drams aloes and
drams ginger: follow up with one
ram each of sulphate of iron
ard \(\begin{gathered}\text { of } \\ \text { nentian twice daily. Feed hay of } \\ \text { nood quality, and either boiled or crushed }\end{gathered}\)
 My arguments are good,
and I give you that, and lots

When You Are Cured Pay Me You ought to read the storie
lowed this plan. They are happy
loun their testimonials. Ask us
lowed this plan. They are happy
you their testimonials. Ask us
a winner, and be one of the men```

