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## 

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## THE WILKINBON PLOUGH OO., LImited, Torento, Oanadel Mand Manarman.:-Pleaso sond mo(froe) the book

Elamo.
Provineo

THE SPICE OF LIFE

Ohe slow-acting Jokes.

that the Scotchman's proverbial reputa tion for cranial density is misunderstood
However, there are enough to furnish pleenty of fun for the jesters
and keep the reputation and keep the reputation alive. We have
all heard the story of the Scotchman
who awoke in the night Who awoke in the night to laugh at the
wrong end of a joke. The foltuwing
yarn is about yarn is about one into whose eerd it
evidently required nearly a day for the
point of a sally man up for the week end had been asked
by his friend to go to a music hat nn, man! D'ye no ken I never visita, a
nusic hall on th' Saturday for fear I
should laugh in th. kirk on

ODD USF: FOR THE TONGUE,
Tine brakeman groaned and sighed,
cinder in his eye. Conductor, and he bent over his as asocidate
ran his tongue the Inan's eye, and in a jifiny had out of the
cinder. "On railroads, in foundries, in stoke-
holes," the conductor said
". ". wherever cinders get continually in the
eye, there everybody extracts them in ono
way-with Way-with the tongue. The tongue re-
moves things better than any instrument would do-it sweeps the eye clean as a
flood sweeps clean a riverbed. Further.
it is painless. it is painless; its passage over the eye-
ball is, indeed, a rather pleasant sensa-
tion. As regards the toon. As regards the sensation of the
owner of the tongue well, to do good we
should be willing to undergo a

## nastiness.

The public-spirited lady met the little
boy on the street. Something about his hoy on the street. Something about his
appearance halted her. She stared at
him in her near him in her near-sighted whe stared at
The Lady -Little boy, haven't you an The Little Boy.-Oh, yes'm; I've got a
home. The Little-And Roving parents?
The -Yes'm. know what love really is. you do not
Do your
raronts look anter your moral welfare? The Little Boy.-Yes'm.
The Lady.-Are they bringing you up
to. lio a qood and helpful citizen?
The I, ittle Boy.-Yes'm
 he was tickled. He said it was the best
run his car had made without adjur
sculptor the studio of Guzun Borglum, nunciation and the Resurrection the $A$ cently to be destroyed, a woman re-
taking an
 pulsively, " is sculpture very diffeult ? ? is very simple and easy. You have only and knock of marble and a chisel, In a littie Ontario settlement the matter of more modern improvem the
One thought it newcomers remarked that he some cuspidors installed, meaning there to convey a gentle hint to certain mem-
bers who were addicted to the A canny Scot, whose great love for the
church outran his knowledge, immediate ly expressed himself as ple, immediate "I heartily agree wi' the remarks of
the last speaker, and in order to breemg
his mnitter John McTavish and Alexander Macpher
Jon be ander son be appointod cuspidors for the en-
suing vear."


# $\Sigma_{h o}$ 

Persevere ano
Succeed.'

## Farmer's Xdvocate

 and Home Nragazine
## (C) vol. xlif.

## EDITORIAL。

dAIRY EXHIBITIONS, U. S. AND CANADIAN. All who hold progress of the dairy industry to
heart are pleased to hear that the promoters heart are pleased to hear that the promoters and
organizers of the National Dairy Show succeeded in drawing together, at Chicago, this month, a in drawing together, at Chicago, this month, a
vast and representative exhibition, exponent of the resources, achievements and tremendous importance of dairying on the North American continent. Those lines of animal husbandry which
have for their end the making production of equine perfection and power, have, of late years, had fitting representation at the but, until two years ago, the United States dairy industry has had no such expositioh. To include
it with the December Internntional it with the December International was impossible, owing to the already behemoth proportions
of that institution, hence a separate dairy show of that institution, hence a separate dairy show
became necessary. The first attempt, in 1905 , was but moderately successful. This year, profiting by experience, energetic effort succeeded in assembling a display of dairy stock, dairy apparatus and dairy products, which, for extent and repre
sentative character of exhibits, easily outclassed any previous attempt at dairy exhibition in any previous attempt at dairy exhibition in
America. In fact, the successful exhibition of Canadian Ayrshires by Messrs. Ness and Hunter Canadian Ayrshires by Messrs
lent an international aspect.

Attendance from out of town was not large, of course, as compared with state or Provincial tory by the management, being officially estimated at 25,000 . The city paid admissions fell below expectations, one reason, doubtless, being poor transportation facilities to the Stock-yards. All prize-money was paid in cash October 19th, and exhibitors of machinery and cattle are said to have gone away well pleased. We understand there will be another National Dairy Show held
next year, probably in New York, Milwaukee or next year, probably in New York, Milwaukee or
Chicago. The success of the second show, and the hearty
support it has quite properly received from the support it has quite properly received from the
American agricultural press, will no doubt revive the agitation for a similar attempt in Canada, for it is freely conceded that a more comprehendesirable. There is, however, no call to imitate the American example. Imitations are generally failures, and in the present case there are special reasons for avoiding the attempt.
In the first pace, geography declares that a special dairy exhibition in Canada could not possibly be more than Provincial as to attendance, and largely so as to exhibits. Discretion points to the unwisdom of attempting to make such an
exhibition serve a larger sphere than the present winter fairs at Guelph, Ont.; Ottawa, Ont., and Amherst, N. S., respectively. That being the be lost by divorcing the dairy features from these be lost by divorcing the dairy features from these
shows, which are unique institutions, admittedly superior from the standpoint of practical educasuperior value to either the National Dairy Show or the International Live-stock Exhibition in Chicago. The Canadian Winter Fairs are institu tions to be proud of, and capable of to each
tension and development with advantage to and all the branches of husbandry they represent. To detract from them would be a species of child's play, to which we trust no (iovernment, Federal
or Provincial, will ever become a party. There is need, however, for an extensive development of step should be to double or treble the present

LONDON, ONTARIO, OCTOBER 31, 1907
of control. This done, and the anticipated steps taken toward enlarging the housing space at and dairy manufacturers to demonstrate their iaith in the feasibility of a winter dairy exhibition by exhibiting more freely thian they have felt. disposed to do in the past, and they may rest assured that a Department of Agriculture which ha that done moch for the dairy as that of the Hon. Nelson Monteith during his able request fice , will glady meet all reasonable requests for increase of facilities and accom-
modation.

## THE CLOVEN HOOF PROTRUDES

Office and Field," a Toronto journal devoted report interests of insurance, has, ever since the mission, been seaking tanadian Life-insurance Comtions of that body chidycredit the recommendasavored too strongly of the Armstrong law New York State. Thus, under the gaise of jingo stic patriotism, it has persistently attacked prao tically every recommendation which was suggested by the Canadian Commission to guand against the evils which had grown up in the American insurance business, and which threatened to develop in the Canadian field. A chief reliance in the pro gramme of insinuation has been the publication cartoons, which "The Farmer's Advocate," in common, no doubt, with other papers, has been and to reproduce. At least, all summer long We have been receiving marked copies of newspapers containing one or another of these cartoons, with which to correspond. The numerous papers are headlines from referred to the following exultant Field :

THE CAMPAIGN of EdUCATION.
Hearty Co-operation of the General Press.
About Two Hundred and Twenty-five Canadian Newspapers Have Reproduced Our
"'Cartoons, Absolutely Without One artoons, Absolutely Without One
" Penny of Payment as Ad"'vertising.'
Education," indeed! And note the phrase Absolutely without one penny of payment as proved "easy", enough to give this free advertis ing in the interests of "Fducation" feel properly proud of themselves, but to the general public they will look like thirteen cents. Such a campaign and such a boast indicate plainly the organized eflort behind the scenes. The cloven hool protrudes through the thin veri of patriotic sentiBut the Canadian public is noti so easily deceived It is It is not contended that the Insurance Com-
mission's report is perfect. No doubt it will be modified before being crystallized into Federal law But ridicule is not argument, and the kind of discussion which bitterly criticises so much, and finds practically nothing to commend, does not strike anyone as animated by a candid spirit. As a matter of fact, we do not believe the best insurance companies find their business very hard hit by the insurance investigation, nor will they, we judge, by any legislation likely to be enacted as a result thereof. Judging from the recent insurance conventions in Toronto, and from interviews we "Office and Field "" docs nol correctly represent the sentiment of fair and reasonoble insurance men, who have no fear of pullicity and no object in surrounding their business with a haze of in surrounding their business with a haze of
mystery. In the long run. strict Government.
supervision, with constant publicity and reasonabl safeguards as to investments, will redound to the ness generally on a find kial foep the busi-

SCIENCE AND PRACTICE OF ECONOMICAL FEEDING.
the whole field of agriculture there is probaby no study more absorbing or more profitable mals , elating to the feeding of domestic aniby thet there are few less perfectly understood by those who should be informed concerning them. This fact, combined with the comparative scarcity and present extravagant values of feedstufis, render opportune the discussion on stock-feeding
which we propose to institute through umns this winter. For this discussion our colices of expert contributors have been enlisted to supplement editorial effort, and, in addition respondence is invited from practical men in all branches of live-stock husbandry, from poultrykeeping to dairying and horso-raising. Theoretical dissertations are not desired, but inquiries and articles based on practical experience in econpmical leeding are always in order
To many farmers, articles on the science of feeding, embracing ,, such terms as "balanced rations," " protein," and " carbohydrates," seem opelessly technical and complex; yet, when one how few formidable terms there are and how easy these few are to understand. It is true the feeding of animals is a complex study-more complex than some laboratory chemists and classroom professors have realized. It must be complex, because it has to do with the wonderful phenomena of life and natural law. There is far more in feeding than ever was learned in a laboratory, aln though the chemist has been of immense assistance in working out the science of feeding; and when we find a man who combines knowledge of animal chemistry with practical experience as a stockman, we have the makings of the genuine feeding expert

Without attempting, in this limited space, to numerate all the important factors of animal nu-
trition, it may be pointed out that the first thing a beginner has to take in is the fact that there are four distinct elements which should be present in approximately definite proportions in all classes of feeds. These are (1) protein, (2) carbohydrates, (3) ether extract (consisting of various vegetable fats and oils), and (4) ash or mineral matter. Each of these, has its own particular function to fill in the animal economy. Proteln the most important element of all, and the one denicient in mor hind ordinary farm nough age, is chkin body. It is especially demanded by young. the ing animals, and by cows yielding milk. Carbohydrates (sugars, starches, cellulose and the like) are employed in producing animal fat and heat and ether extract is devoted to similar purposes Ether extract has more than twice the heat-yield ing capacity of carbohydrates, hence it is customary, in estimating the heat and fat producing value of a food, to group the carbohydrates and ether extract together, multiplying the pounds of ether extract by 2.3 , adding the product to the pounds of carbohydrates, and expressing the woum in terms of carbohydrates. When the proportion of protein to carbohydrates and fat in a daily termined to be the best for experiment has de termined to be the best for any specific purpose the "balance" of a ration, the amount of is not taken into consideration, as there is usually

THE 戸ARMER'S ADVOCATE

and Home Magazine

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Theie william Weld company (Lituts).
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v. W. CHAPMAN, Agent, Mowbray House, Norfolk Stree London, W. C., England. THiB FARMER'S ADVOCAT
in published every Thursday. is published every Thurscay. AND HOME MAGAZINE

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the william weld company or
Loypom, Cariane
enough of this in an ordinary ration to serve all necessary purposes. An occasional exception ocextra amount of ash for bone-building an poses, and, in feeding these, care should be taken to supply a reasonable quantity of such feeds as bran, which contains a generous percentage of ash
for bone-building, as well as of protein for musclemaking
In the past, one of the chief aims of scientific
investigation investigation has been to establish what proporwould constitute "" balanced purposes. The first standards formulated were the German standards, which called for rations American researches have established that good American researches have established that good
use can be made of rations containing consideruse can be made of rations containing consider-
ably larger relative percentages ") cirbohydrates than were formerly considered admissible. As economical to raise, and generally cheaper to purchase than those rich in protein, this is an important saving
The reader must not run away, however, with the idea that a ration is all right so long as it
is "balanced." While an approximately " balis "balanced." While an approximately " bal-
anced" ration is generally the most profitable. anced " ration is generally the most profitable,
precise balance is not necessary, because precise balance is not necessary, because, to a cer-
tain extent, an excess of protein may compensate tain extent, an excess of protein may compensate
for a deficiency of carbohydrates, while, on the other hand, an excess of carbohydrates may often be utilized to advantage, even though the per-
centage of protein be somewhat below that required for an ideal ration. Besides, numerous practical considerations, such as digestibility,
palatability, wholesomeness, bulk (which varies with localities and and economy (whices) must whe localities and the range of shon, disrupting the hond of the roallust expanprices) must all be given due weight. These will
of the following excellent standard books and Feeding," by Henry. The Feeding Shaw's new work " Feeding Farm Animals." Every farmer needs such an authoritavis ing tables of the percentage of digestible nutrient in all the staple feeds, and time spent in perusing paid, not only in interest, but in dollars and cents.

HARVEST HOME ON THE COAST The Pacific-Slope country has been holding its
fairs the past few weeks. fairs the past few weeks, amid ordinarily favorable weather conditions, and attended by large crowds of exhibitors and interested spectators.
Agricultural work on the coast is peculiarly class that work on the coast is peculiarly of a hibitions. There is no tong-continued pur gather in a crop before frost sets in, as in prairie farming. The crops of the Western in prairie those which are naturally suggested by the term "harvest home ": fruits, vegetables, field roots hay and grain, all grown in such quantities that their handling does not demand prolonged exertion. Stock, also, is a prominent feature of somble those of the farms there closely Great Britain. Eastern Canada and parts of practically everything of which a soil is capable of producing. The nature of the distribution of population in British Columbia and the natural this shall be the country make it imperative that larger part of the market ane cities constitute the farmer is to supply what his nearest city dem the Agricultural products, if we nexcent city demands. exporming in very large quantities. The system of of a demonstration plot of the farm is somewhat country. The cultivated areas of British Colum bia increase slowly, for many very good reasons First, because the area suitable for cultivation is not extensive; and, second, because it requires a lot of labor to prepare the land for crops. Hence, although the Province is growing rapidly, her con-
suming classes suming classes keep pace with the producing, and
good markets are a usual circuinstance good markets are a usual circumstance. Fruit is
one of the largest commodition though the export surplus has ing produced, and alcharge for express and freight before it reaches its market, it still is one of the most profitable prodpotentialities of British Columbia may horticultural be scarcely discovered. The valleas already settled and planted have not reached their maximum yield, and there are others whose fertility is still locked in forest fastness. The opening up of the interior of British Columbia will be one of the great agricultural pioneering tasks of the present

> DRAG THE ROADS IN AUTUMN.

Reports coming in from members of the splitvanced on behalf of this simple theans claims adprematur improving earth roads. It would be of the judge, but it will not bo the report remark that, to the question, "Is the place to drag a successful means of keeping' earth roads in condition?" every competitor who has so far re-
ported answers "Yes," and those who previous experience with the single-stick, iron-shod scraper or leveller, pronounce the split-log drag a
decided improvement decided improvement over it. A light drag is much better than a heavy one. Cedar appears We mention this much use.
wow hy way of en-
couragine the construction
 the purpose of smoothing the roads in autumar for any little sacrifices and hardshing possibly covet thus preventing, in part, the excessive rutting and of . Farm Wepds,", the shall cherish this copy
roughening of the road surface. Few people ap- amony our most procis special sense, preciate how much injury is fone heople apgravel and clay, but particularly the clay - opin, ion has been expressed that, in the clay. Opinthe winter is open, a split-log dras could where to excellent advantage, not only in fall, be used ing winter break-ups. For such work, especially the split-log drag would be far superior to the single-piece leveller, as, if not of too heavy material, it can be used right in the mud; and, infeed, requires, for best results, that it be used bedragging, and

OUR MARITIME LETTER
THE NEW COLORED WEED BULLETIN No greater pleasure has been ours for many agricultural sentiment in the country, than of which the perusal of the new farm bulletin on weeds, with its rich and accurate descriptions, its
splendid illustrations in all tural colors, and the invaluable glory of the natirpation, has afforded us. Most mortals enjoy to which they have the works, public or private, Whilst this color-page of a contributing factor. and their secds is something altogether new in the ree literature of the country, and whilst we can only claim special contribution to one or two of which due credit is given, we have had covers, of satisfaction of being the first, we believe the great upon the distinguished and especially capable and
devoted son and out of season the great Fletcher, in seasuch as this to Canadian great value of a work would enable the farmer to identiiy his pise it enemies everywhere, and, especially, make it easy for the rising generation to gather a fund of knowledge in which their forebears were lament-
ably deficient.
Decidedly carried out on a scale much more magnificent been we could have planned; undoubtedly, it has cost is worth all a considerable penny, but certainly it tural ititerata, the first monument in our agricul. the veritable ., which will endure for much timethe poet. Arready a favorable word of this work has
reached your readers. Its special timeliness this Maritime community, and the personal part here. Wor as, will admit of this further reference dian one, and proud, also, of the sulication as a Canawhich reached us before the general distribution,
inscribed as follows:

## To My Good Friend The Reverend

Who has done so much Burke,
sources of Prince Edward Island
Ottawa, Sept. 20 JAMFiS FLETC

We receive many kind testimonies in our pas, them unmerited, sut certainly merited, some of appreciate higher than those which is none we
referenco favor of the our little and imperfect efforts in eral and that of or ominion in genin particular. And the regard of such men as
frost seats the surface will be richly repaid by the mmediate smoothness and permanent betterment the highway. We plow fields in autumn to particles frost a chance to disintegrate the partictes of soil. Conversely, the road should te dept smooth, hard and compact, to avoid such disintegrating effect. To this end, clean out oband drainage outlets ditches, look to the culverts and drainage outlets, and then drag the road aiter every wet spell, and especially before a
prospective freeze-up. Practically roads should be dragged at this seasonds of volume to the Minister of Agriculture, says: "The sion, disrupting the hond of the ryalloct, expan- Fntomologist and botanist to James Fletcher, and producing conditions which as the surface, in watercolor from and the illustrations were made


vise thase who wish to post themselves on the im-
portant subject of feeding to select one or more

остовек ${ }^{31}, 1907$ THE FARMER'S ADVOCATE
tural colors. The $\overline{\text { whole }}$ plant illustrations cover the
when of weed enemies, at least one ser

 saution is
trate $\underset{\substack{\text { tempts } \\ \text { ment of }}}{ }$

(a)

 ing of its history, we find the following : : Theak W. H. Pethick in Nova Scotia, worked up by Dr Burke and Mr. L. W. Watson in Prince Father investigators in pointing out the danger all these lecting this weed. It would appear as if of neg wort had been imported into the two Provinces
independently, to Nova Scotia from Scotland and to Prince Edward Island from Ireland, where and known under the same name, Baughlan, as is used in its new home
Dr. Fletcher
ings of the Antigonishe investigators into the find ings of the Antigonishe investigators into the Pic
tou Cattle Disease, declaring this plant, when in gested into the stomachs of cattle, to be the cause of " a curious and fatal disease of the liver (hep-
atic cirrhosis)," which, however is long supposed, contagious. To get rid of the
Ragwort, we are quoted-and quite correctly-as saying that a couple of mowings will usually de-
stroy it: and, as domestic animals stroy it; and, as domestic animals do not feed on
it in the green stage, all are advised to short rotation as a sure way of being debarrassed of it entirely
the plant, but a funcus which too, that it is not dried with other grasses, which sets up "orange Director-General, Dr. Rutherford, is now looking into this side of the case, and we hope for a posiperiod. Meantime, the repeated warning given to farmers everywhere to extirpate the ragwort is having its effect. This nerv and striking presentment in farm weeds will still further help on the
admirable work. And this beautiful, permanent admirable work. And this beautiful, permanent and for the schools and colleges, can be had free for the asking. It is certainly worth five dol-
lars of anybody's money. Let every farmer apply lars of anybody's money. Let every farmer apply
for it early, peruse it carefully, and preserve it for continual reference. Thus will the learned author give noxious weeds in Canada their surest
A. E. BURKE.

CANADIAN PRODUCE IN ENGLAND: LIVERPOOL'S INVITATION.
Improved facilities are being provided at Liver pool, England, for the reception of farm produce from Canada. The other week an extensive cold-
storage warehouse was opened in connection with the carrying business of the C. R. R. steamship line, close to the landing-place, and adjoining branches of the several british rallway systems The new structure is a spacious building, and has a capacity of to ccommodation of 1.500 tons produce. There are four separate chambers, with with provision for the further extension that mer chants prophesy will soon be required. The plant is equipped with apparatus which insures the re-
newing of the air in the cold chambers every few newing of the air in the cold chambers every few
minutes. Produce can now be conveyed from the West right across the Atlantic to the doors, al temperature. Mr. J. E. Worrall, President of the Liverpool Provision Trade Association, this installation makes Liverpool second to none othe produce, and all that is wanted now is a bigger supply from Canada. The head of the Bristol As sociation, Mr. George Spear, said that Canadian
supplies at present are quite inadequate for the supplies at present are quite inadequate for the
demand, with the single exception of cheese. They wanted more butter, bacon and eggs to render them independent of the United States, and stated that his city would be glad to co-operate with
Liverpool in encouraging the importation of Cana-

IMPLEMENT PRICES IN CANADA.
With regard to the reported advance of from ten
fifteen per cent. in the price of farm implements in to fifteen per cent. in the price of farm implements in
the United States by reason of increased cost of labor
and raw materials, which is general throughout and raw materials, which is general throughout
America, Canadian farmers will appreciate the fact that the advance in
to five per cent.


Ragwort.


## HORSES.

the value of horse time. Four dollars and ninety-five cents a week is a
London, Ont., merchant's weekly the keep of a pair of delivery horses, this not counting the labor of attendance at all. Of so high, but even there the feed bill if not reckoned up at wholesale prices, would bulk large in the course of a year. Yet, there will be thousands of horses out in the country trying to eat little enterprise on the part of for lack of a finding jobs of teaming at which to make them earn their board.. There is far too little emorse time. Yet, on the other hand, if the munic-


Croome Cardinal 21305.
Noled prizewinning ive-year-old Shire stallion, included in the Canadian consign-
ment of R . Moore $\&$ Sons, Beeston Fields. Nottingham, ipal council or a company wants to hire some bran at least twice weekly, and all the salt and high sense of the worth of a day's team work, better than whole, and also consider it is well to and, unless a good round price is offered, the practically cook them by putting in a pail or
horses remain in the stable. That is, we would other vessel, pouring boiling water over them, horses remain in the stable. That is, we would racher board dite horses for nothing than a work
ing team at from a dollar to a dollar-fifty per ing team at from a dollar to a dollar-fifty per
diem over and above the man's wages. And the chances are the boy or man who might have been
doing the driving will be choring around to small purpose, or perhaps killing time in the village be made to realize money's worth from every fai
day's time of men and teams, and generally the
can earn most if working to can earn most if working together. Figure out
some team work to so at when the fall is over, and keep the hired man busy all winter. The provision of profitable yearly employment is

ECONOMICAL METHODS OF WINTER FEEDING Owing to the shortage and consequent hig prices of mostly all varieties of stock food, in omy in wintering horses becomes an importan matter with most owners. Horses that have to perform regular work, either heavy or light must, of course, be fed as working horses demand hay, these must form the major part of the rations; but horses, either young or old, male o female, breeders or non-breeders, that are not to kept in good condition on mixed rations, with nly a percentage of the more expensive foods. to winter horses cheaply, but we cannot expect tion and time in mixing foods will lessen the cost considerably. It must be understood that sudden ny olent changes in food must not be made with derangement, entail a veterinarion's cause digestive ably cost the life of an animal, and thereby deear own object, viz., economy. For instance, hay and oats, 'if, when worked, and well fed on suddenly changed to straw, roots, the ration is rain or other mixtures, are very liable to suiter fter thigestion or constipation in a few days exists in anfimals of all ages; hence. Whis danger to be a change made, it should be made there is sadual, by gradually reducing the hay ration reduced and that of straw increased of hay' being in 10 days to 2 weeks. a full straw ration can safely be given. The digestive organs of an ant mal become accustomed to performing certainfunctions or to digesting certain foods, and if under ordinary circumstances, as easily or aven more easily digested, the change is so sudden there applies to all disease. The same rule, of course, probably more particularly classes of stock, but ruminants. In regard to weanlings, I do not weanlings, I do not
the supply of the very best food that
can be obtained. can be obtained.
The first winter is. very important period of a colt's life, and his development and future useful-
ness to, a very great ness to, a very grea his care and thriftiness during thi period. If through want of proper food
or other causes or other causes h healthy, thrifty condition, he does not develop properly make as good an make as good an
animal as he would
have under more have under more
lavorable coonditavorable ciondi ing his treatment during the follow-
ing years of his de$\underset{\text { velopment. }}{\substack{\text { ing } \\ \text { vears of } \\ \text { Hence }}}$ we censider that he should have all the saved clover
ferred)
and
pate (rioded ond or chopped
oreferred) preferred) he will cat, and also a car then covering the vessel and allowing to stand for oats renders them feeding. This treatment palatable and gives good results, and if the colts be turned out for a few hours every fine day, or in other ways be given
regular exercise, there are very few cases in which regular exercise, there are very
there is danger of their eating too much. Our
observations and experience have taught us that,
with few exceptions, it is both saie and wise to
ailow weanlings all the oats they will eat, esp
cially if treand cially if tranlings all the oats they will eat, espe
lar exercised as above, and the colt given regu lar exercise.
Colts ove
horsets over one year, idle or comparatively idle
hrood mares and stallions, can be treate horses, brood mares and stallions, can be treated
difirenently as regards food. of course, horses
that will bo that will be needed for work next sporsing, horsea lions that are noeded for stud service, and, brat
mares nearing full terms of pregnancy, should be mares nearing full terms of pregnancy, should be
well fed on first-class food for a few weeks before
these fing these functions will be required.
During the winter months, a mixture of foods,
many of which it given alone would be noither many of which if given alone would be neoths
palatabibe or satisfactory in results, can be given palatable or satisfactory in results, can be given
with reasonabbe satisfaction. ${ }^{\text {St }}$ Straw is generally
of of good quality this year, roots a fair crop, and in many sections silage corn a farir crop, and
many farms have full silos. While silape is not generally considered. a suitable food for hilage horses, not
reasonable quantity can. be usedvin o mixture reasonable quantity can be usedr-in a mixture, af
foods. It is palatable, and tends to make of foods. It is palatable, and tends to make dry
foods moist and palatable, but tit should not be
fed pure, or even in large ouantities ion fed pure, or even in large quantities in a mixture.
In mixtures, of course, all food, as hay, straw and corn, should be cut, all grain chopped, and roots pulped. A mixture of, say, 1 part by bulk of
silage, 1 part pulped roots (turnips silage, ${ }^{1}$ part pulped roots (turnipt man bulk
carrots), 2 parts cut hay, and 4 parts angels (oat or wheat straw preferred, but barley or even good pee straw may be used, , with a quart or of on
choopped oats or its chopped oats or its equal in weight of other
chopped grain, to about every one-half bushel of chopped grain, to about every one-half bushel of
the mixtrure. Where bran is a reasonable the addirion of as much as of the grain can be added with advantage. For the averagesized
horse, a half bushel of this horse, a half bushel of this mixture three times
daily should suffice and keep him in good condition, small or young animals being fed in pro portion. In cold weather, sufficient of this mixture can be made to last. three or four days. EX-
perience will teach the feeder how long it perience will teach the feeder how long it will re
main sweet. Of course, it must not be mixed in mafin sweet. Of course, it must not be mixed in
sufficient bulk to become too hot, nor allowed to stand long enough to ferment too much and be fit for food will depend lenth of time it will remain and the temperature of the compartment weather it is kept. Of course, it must not be allowed to reeze. Where silage cannot be procured, cut corite had a lorge percenta; and when neither ca and, when roots are absent, of course, the mixture must consist of cut hay and straw and chopped grain, in which case it is probably wise to moist
en with water, in order to insure eminglin water, in order to insure a more thorough
mingling of the food. Suffcient moisture pied by slage or roots when present good practice to vary the monotony of the ratio y occasionally giving a light ration of whole hay s we mus pever fort feeds shoura not be ing violent or sudden changes
curable, it will give hett where wheat chaff is proWHIP ,",

## LIVE STOCK.

ECONOMIC CONDITIONS AFFECTING THE PURCHASE OF FEEDERS.
Address by Prof. G. E. Day at the
Thero are tor tor taken into consideration in the purchase factors to be feeding, viz.: (1) Breading (inclucing conformation and The importance of the first point will , be conceded. It is true that a wollt bred steer, possess.
ing superior quality mav not mater larger gain in weight than one mat so well cheaper or or
cidedly lacking in quality. Such a result may and deche case, or may be the case, but when it comes to mands a premium. If we are looking forward to the time of marketing, therefore the question of qualit is of very great importance. The man with steers o high quality, properly finished, does not need to peddlo
his cattle, for there are seldom enough of such to go round.
As to the
thestion of age, it has been demonstrated n many occasions that young animals make cheaper one consideration, and the case may howere is only Tows: Quality, weight and condition being equal. young steers are preferable to older on
make better use of the food consumed. The items of weight and condition est importance, so far as feeding is concerned.
To in
To lustrate the importance of these factors, we shall refe to an experiment conducted at the College last wintel
with short-keep and long-keen stoers.
By $n$ show With short-keep and long-keep sterrs. By a short-keep
steer her mean one which has sufficent weikht and fiesh
at the time of purchase to admit of his being finishod


were divided into two groups, the heavier ones being
put into ono group, and the lighter oolies in annother
There
 There were 11 steers in each group. The object was
to market the heavy steers first, and they were, thera fore, med a heavier meal ration than the lighter steers but, as it turned out, both groups were rendy for mar
ket at practically the same time together. They were fed for a period of 60 dany To represent long-keep steers, a lighter and thinner group was purchased. The steers of this group were red the same kinds of food as the others, but the meal
ration was increased much more slowly. There wero seven steers in this group, and they were fed for 153
days.
Foods wene valued Foods were valued as follows: Meal, 820 , hay, 88 ;
roots, 82 , and silage, $\$ 2$ per ton. valuing foods may be open to rriticism, but the values given will answer just as well as any others for the
purpose of compring purpose of comparing the diferent groups of sters.
The following table gives particulars of
table showing weithts, gatns, food con-
Sumed, Cost of gain etc
SHOWING WEIGHTS, GAINS, FOOD CON-
SUMED, COST OF GAIN, ETC.


## EXPLANATORY NOTES.

This is probably due to some trouble we had withge. steers. The silage on the top of the silo contained
very little grain. hut very little grain; but, after about six. $w$ eks, silage was
reached that was rich in grain, and the reached that was rich in grain, and the result was that
the steers commenced to scour. The proportion silage in the ration was rerluced, and the trouble stopped in a very short time, but we feel sure that it
interfered very materially with the gain in interrered very materially with the gain in wight.
2. It will bo noted, also, that the cost of increase in weight, was highest in the case of the heavy short-keep cattle, and lowest in the case of the previous experiments, This result is quite in accord with arevious experiments, where we found that, invariably,
a heavy meal ration resulted in higher cost increase in weight.
3. The
however, is not of producing the increase in weight, relative profits or losses in feeding the different kinds
of steers. The weight of the steer an important factor, af the steer when purchased is
steer when purchased. out an example. Let is can be shown by workin out an example. Let us assume that all these steers
were sold at the same price, say 5c. per pound that the long-keep steers cost 4 c . per por pound. This as sumption happens to fit the facts of the case, as the
long-keep steers cost 4c. per pound long-keep steers cost 4 c . per pound, and both long- and
short-keep steers were sold at 5 c . per pound. take the average long-keep steer (weirht, When bought $1,053 \frac{1}{\frac{1}{2}}$ lbs. weight when sold. 1.302 , then bought, and de
termine the profit or loss according to the values we

[^0]$\begin{array}{r}21.06 \\ \hline 86900\end{array}$
863.20
bss. at 5 c . ... ............................ $\$ 77.55$
Deduct: Value of food, $\$ 9.29$; profit, $\$ 77.55$ same results as long-keep steer. ......\$66.36
bunch that is to say, we could have pald \$88.38 each for this same profit per head above value of food secured the the case of the long-keep steers.
los. when these heavy short-keep steers averaged 1,454
866.36 , therefore, if 1.454 pound $\$ 66.36,100$ lbs. would be worth $\$ 4.56$. In other words, if we had paid $\$ 4.56$ per cwt . for the heavy
steers, and $\$ 4$ per cwt for particular case, and sold them all at 5 . steers, in this would bave had exactly the same profit per steer above market value of the food.
When we
the same way, we find the lighter short-keep steers in per cwt., as compared with the would be worth $\$ 4.55$ per cwt., as compared with the long-keep at $\$ 4$ per
cwt., and the heavy short-keep steers at $\$ 4.56$ per
cwt.
4. The results of this experfment, and the dis cussion up to this point, suggest two important ques
tions which should be perfectly man who buys cattle for feeding. The tuest every as follows
steers were fed it that though the lighter short-kee and made their increase in weight than the heavy ones pound, they would still have to be bought at cost per give the per cwt. than the heavy steers in order to
(b) Why is it that there should be such a differ afford to pay per cwt. for the long-keep farmer could lighter short-keep steers, and such a narrow differenco (1c. per cwt.) hetween what he could afford to pay for sidering that the long and the heavy short-keep, conweight 62c. per cwt. cheaper than the lighter short keep, whereas the lighter short-keep made their in crease in weight only 50 c . per cwt. cheaper than the
heavy short-keep steers? The answer to question (a) is simple if we remem-
ber that the feeder's profit is made by increasing th value per pound of the original weight of the steer.
Thus, if he increased the Thus, if he increased the value of the original weight of the heavy short-keep steers by 1c. per pound, the
increase would amount to 14.54 per head; whereas, in
the increase would amount to 14.54 per head; whereas, in
the case of the lighter short-keep stears, an increse of one cent per pound in the value of the original weight
would amount to only $\$ 1267$ ancrease ence of $\$ 1.87$ per head in favor of head, making a differmore economical method practiced in feedier steers. The short-keep group, very nearly wiped out this difference,
but there would but there would still be a slightly larger profit on the
heavier steers, if both aroups had samer steers, if both groups had been bought at the
same and sold at the same price per pound. Question (b) is more complicated per pound. place, the short-keep steers were heavier, In the first
counted in this fact counted in their favor as explained under question (a)
But another important factor viz., the long-keep steers had to be increat this problem, 248.6 pounds per head before they were finished weight as, the short-keep steers were finished by increasing
their weight only their weight only 90 pounds per head. If this increase costs, it would be sold for as much per pound as it were thin or fleshy when bought, but such is not the
case. If both the case. If both these lots were sold at 5 c . per pound
there would be a in the case of the short-keep steers, and a per pound of increase in the case of the loss of 3.47 c tle. (See table for cost per pound increase.) Let us see how this works out: weight necessary to head incurred on increase in live

| Long-keep steers, 248.6 lbs at 3.47 c ...... $\$ 8.63$ |
| :--- |
| Short-keep steers, 90 |
| 90 | $+\quad \begin{array}{r} \\ \hline\end{array}$

in the case of the long-keep steers, yet the total loss
is greater, owing to the is greater, owing to the fact that yet the total loss
crease were necessary to finish Now, the only way to make up this loss is to in crease the value per pound of the original weight of
the steer, and, therefore, the greater the to made up, the greater must the greater the loss to be
per pound of the oriminal weight increase in the value From what has been said, it will be seen that the
ight short-keep steers, as compared with the heal short-keep steers, laloored under onpared with the heavy fiz, they were lighter in weight; one disadvantage 1
$\qquad$

 keep) steers may be fed


THE CATTLE－FEEDER＇S PROBLEMS．
Editor＂The Farmer＇s Advocate＂：
This being more of a dairying than a cattle－feeding
district，the answers to your district，the answers to your questions a cattle－feeding
necessarily more are necessarily more personal than gathered from those en－
gaged in the business about here．The opinion，how－
ever，is prevalent that present prices ever，is prevalent that present prices of fat cattle are
not encouraging enough to coax any new hands into it． For some years past the margin of profit，if any，has been so small that numbers have gone out of it，and，
this year，all feeding material is so expensive many this year，all feeding material is so expensive many
will be tempted to market a certainty rather than speculate on futures in beef． The right kind of feeders，bready two－year－olds，
weighing 1,200 lbs．，．，are always difficult to get at any
price，but there aro plenty price，but there are，plenty of the 900 －to $1,000-1 \mathrm{lb}$ sort
and unfinished three－year－olds．The export trade being so little influenced by our product，possibly this win－
ter something to supply our local trade ter something to supply our local trade，some nice
butchers＇，will make as good a return as anything． The way Chicago packers are taking care of th enormous runs of cattle on the market，and falling their
refrigerators，may indicate they are looking for dearer beef next spring．
Undoubtedly，it is best to start stabling early，and
turn out during the day，thus avoiding any loss on flesh and less shrinkage hy the gradual change of feeds． buying，in the fali，cattle that are not dehorned，and prefer feeding them in loose boxes．
For bulky food
For bulky food，our main reliance is ensilage mixed
with an equal quantity，in bulk，of cut hay with an equal quantity，in bulk，of cut hay and straw
to which is added a few pulped roots． For carrying steers over，the above ration is suff－
cient，except，perhaps，for the addition of a little bran： cient，except，perhaps，for the addition of a little bran
and，for finishing，I like to start on the foregoing with bran，for six weeks，then gradually beginning with two My corn is planted in hills；is matured when cut，and
would husk anywhere from 60 to 80 bushels shelled With bran at $\$ 24$ ，and shorts at $\$ 27$ ，they are en－
tirely beyond their feeding value．Wheat，in compari－ son，at $\$ 33.50$ a ton would be far more economical．
Oats at $\$ 35$ a ton are out of the question，and barley is not to be had．Corn，oil cake and wheat are what
would go into the market to buy． Middlesex Co．，Ont．market to buy．MobT．McEWEN．

SILAGE FOR ECONOMICAL FEEDING． Editor＇The Farmer＇s Advocate＇＂：
In reply to your inquiries about cattle feeding， will answer your questions as fairly as I can judge at
present time．The number of cartle fed here will be present time．The number of cattle fed here will be
half that of last year．The number of feeders avail－ able are considerably fewer than last year．We find it
very hard to get heavy cattle with flesh enough．Light very hard to get heavy cattle with flesh enough．Light
cattle are plentiful，because of the scarcity of feed，and， also，on that account，prices are lower．From $\$ 3$ to
$\$ 350$ per $c w t$ is being paid．Perhaps the most $\$ 3.50$ per cwt．is being paid．Perhaps the most you can get them fleshy enough．
There is no better way，that I know，for preparing There is no better way，that I know，for preparing
the bullock for economical gains than by having a few weeks on raph．${ }_{\text {I }}$ like to buy cattle dehorned，otherwise I would not dehorn．We follow the tied system．
We feed corn silage，mixed with chaff and cut clover hay；mixed in equal parts，two feeds mixed at one time，
and fed twice a day；corn silage about 25 lbs．per head per day． In running cattle over winter，we give two pounds
grain per day．In fishing，start with two pounds， grain per day．ing tor ton pounds．
and increase to eight or theaper than
At present here，we can buy nothing chen middlings，barley and corn．
It＇s a pity there were no more silos this year，as
I think the only one who is in a position to feed is

FROZEN WHEAT AS FEED FOR STOCK
 red fife．



竞豆点点臬


讋空星雷

4
its value for pork production． Being a highty－concentrated feed，its value as a feed
swine naturally claims precedence．Experiments ducted at Ottawa and at the Western branch farms show it to be a highly－satisfactory feed for this class of stock．Not to go too much into the details of the
various experiments conducted，it may be general way，that frosted wheat proved to be a satis．
factory fead peared to be quite palatable to the pigs，whether fed whole or ground，soaked or dry，alone or mixed with
other grains．In the second place，the animals so fed other grains．In the second place，the animals so fed
appeared to enjoy uniformly good health，and never went＂off feed．＂（ghere fed alone（ground），a bushel produced about 11 lbs ．live－weight increase，and about 9 lbs ．when fed
alone，whole or unground，and soaked for 42 hours in cold water．Where fed alone，from 5 to $5 \$$ lbs．pro－
dited duced 1 lb ．increase in live weight；fed along with crease in live weight；fed along with equal parts in barley，rye（all ground）and bran，about 4 lhs．of the mixture produced 1 lb ．increase in live weight．In an
experiment where skim milk was added to the mixture experiment where skim milk was added to the mixture
of equal parts frozen wheat，barley，rye（all ground） of equal parts frozen wheat，barley，rye（arl ground）
and bran， 3 lbs．of the mixture and 2.32 1bs．skim milk produced 1 lb ．gain in live wricht．Similar pigs
fed on mixed grains（oats．peas and barley，ground）re－ in live weight． It is evident，therefore，that frozen wheat compares
very favorably with the coarse grains for hog feed， very favorably with the coarse grains for hog feed，
and it may be added that the frozen wheat proved to
be almost as valuable as properly－matured wheat for

THE FARMER'S ADVOCATE

## NOTES FROM IRELAND.

When Sir Horace Plunkett resigned the Vice Presidency of the Department of Agriculture, the not be altogether deprived of his services movement is on foot which, if successful, will lea to the continuance of his work on behalf of the industrial welfare of the country, viz., the founding of an institution which would provide headquarters and the general machinery for giving practical effect to the views and plans for Ireland's betterment, with which his name is associated. Money is now being collected towards the sum of $£ 10$ anown what is to be known as the Bureau of Rural Social Economy. pinions into existence what the Bureau-when it comes form exence-might do. For instance, it could tary associations at work in the courious volun range conferences between them; it could further advise and suggest as to the development of in dustries, and the investing of money therein.
IRISH WHEAT-GROWING.

It may be merely a coincidence, but it is never Ireland by the Canadian Graisit recently paid to been followed by an unusual Commissioners has being paid to the possibilities of oftention area under wheat in the country. Doubtless the inquiries of the Commissioners set somes the home millers a-thinking, patriotically-like our the revival of interest in the wheat crop was the inevitable result. We happen to have in this country an Irish Flour-millers' Association, and the members of this body have been organizing conferences about the country, at which they have met the local farmers and talked the matter over They have expressed the opinion that it is imas it was at wheat will again be as low in price farmers that if they would, and have told the times as much of the right kind or twent. they (the millers) would buy it from the movement is likely to lead to an them. The wheat-growing, a favoring circumstance being increasing demand for Irish-milled flour, as well as for other native products, which is accompany ing the present industrial-development movement. is the discontent among farmers with thection prices paid ior barley by the brewers. In foo places matters on this and the local Farmers' Association at Athy. re agreed that, unless the hrewers Co. Kildare, hat price of 17s. per barrel for this season's barle:
thiey would, in the future they would, in the future, abandon the grow in
of that crop and devote the land to wheat. whi of that crop and devote the land to
the millers were showing such ar
courage courage. Dublin. $\qquad$
LIKES THE CEMENT SILO
$\qquad$ or five years, and are giving good satisfaction. Ther crackeg. The contractor who builds put up thirteen not failed. This man has a splendid outfit. In regard to wooden silos, they are short-lived. We had
one. Have a cement one now. Its cost wne nat more than three woonten silos, and then \& think I would
prefer cement. When you have a cement one. it is there for all. When you have a cement one, it is fom the creamery and date of account sales in then


SEED FAIRS IN THE WEST
representative in Saskatchewan of the Seed Commis-
sioner's Branch, Department of states that up to the middle of October twenty-tw., their intention of holding sed fairs, and some of them intend having a secd-judging competition and a weed-
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$\qquad$
$\qquad$

## FOUR-HORSE PULLEY HITCH.

 farmers are wisely meeting the labor problem by seek-ing to have one man do the work of two, driving thre or four horses per teamster, instead of a pair. There
are many are many styles of three-horse and four-horse hitches,
quite a few of which have already appeared in quite a few of which have already appeared in our
columns. The accompanying illustration shows the pulley-hitch, as used on the McCormick disk and shoe drills. It is not patented, as a great many othe
manufacturers of seed drills use practically the same de manufacturers of seed drills use practically the same de
vice. The illustration shows:


1. The four-horse pulley hitch as used on the twenty marker McCormick tisk and shoe drills.
2. The same hitch adjusted for use with three horses.

## THE DAIRY.

MORE ABOUT THE TRANSPORTATION OF BUTTE Publicity Farmer's Advocate
democracy. Where we have itest safeguards in people, by the people. for "government of the people" have a right to expect people," the Worth of service for a dollar's worth of pay." It
was with the object of calling attention fact that the creamerymen were not getting a dollar's worth of ice for a dollar's worth of the
people's money, that the comments


Shropshire Ram Lamb.
$\begin{aligned} & \text { First it Toronto and London } 1907, ~ I m p o r t e d, ~ a n d ~ \\ & \text { exhibited by Oak Fark Stock Farm Company, }\end{aligned}$

Farmer's Advocate, and to which exception is
taken by W. W. Moore. With the object
throwing a little . Mor(o). throwing a listle Moore. Mo(o)re "hith the object of may we give the following facts, and allow readloats, which to us tells and "arrival date " of In question. However, we may have a "hatful
oi fog on the point, hence must allow readers
to judge which data will he oi most to judge which data will be must allow most seadersice th.
$\qquad$
from creamerv.I une 15, 1907.
$\qquad$
we cannot expect from Canadian butter, at least three weeks old, as good an aroma as we get from old when they reach this market. seem, from the experience of this firm, which is one of the largest importers of butter in England
that "at least three weeks old" is their exper ence in handling Canadian butter is their experi We did not happen to strike any of the car enumerated in the list given by Mr. Moore, but if he has the data, we should like to hear about car No. 40086, G. T. R., which passed through Baden owing notes in Guelph on this car: Temperature of air outside, 82 degrees; temperature in west
end of car, 72 degnees. temperature end of car, 72 degrees; temperature in middle of
car shortly after car door was car shortly after car door was open, 74 degrees
temperature in east end, 76 degrees were three blocks of ice in each of three of the ice boxes, and two blocks in the remaining ice box; estimated weight of each block, 50 to pounds. Car doors opened on south side ; sun
shiming directly into car, as doors cannot be closed until engine is through shunting in another part of the yard, to have car from platiorm, so that doors may be closed. Temperature of air in 4 degrees higher than when car was opened. Engine still shunting in yard. Large number of boxes of Baden butter in west end, which had apparently cooled the air in this end of car.
It may be objected that whon the car do
opened the warm air entered from outside hence temperatures given are incorrect. In answer to this, we should say that warm air does not readily
displace cold air, and it was only after the direct displace cold air, and it was only after the direct
rays of the sun had been shining in the middle the car for some time that a rise of temperature was noted. Anyone who has had any experience with a hot-air furnace for heating houses, knows
the truth of the foregoing. the truth of the foregoing
mon, is indicated in a letter noted is not uncomest firms handling autter from one of the largletter dated Montreal, June in Montreal. In a states: "We have had several instances of sup been shipped without where butter has actually firm reports on a shipment sent to them from
Western Ontario Western Ontario on June 22nd: ". Your butter ar
rived in a more heated condition than it should, We could give more extracts from correspondence along the same line, but these are sufficient for along the same line, but these are sufficient for
readers to judge whether or not the conditions we
referred to in our previous articlo were relerred to in our previous article were "actual,"
or "did not exist outside of his own imagina-
tion." If the writer (W. W. M) would ret his feet irom under an office desk and qeuld out to his
stations along the railavay at country points, he
possithly might not write such it twaddle ? possitly might not write such "twaddle" as
characterizes some of his statements.
From our own onerition
 Matters so far as are ussible. In many cases they
are the fictims of a bad to remedy, or of careter
and indifferent employees. foregoing, but the present is ile have prof careless of rovement so long as these will never be mace COW-TESTING IN SCOTLAND. A creamery located in Western ? herds and fiote cows, the anciation, comprising twelve

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$\qquad$

0 A Canadian's Observations in Holland and Belgium.
Roumania, France, Spain, Austria, Russia, Italy
Roud Germany. Other countries were represented
 unofficially, and there were fully 400 voluntary delegates, some representing various organdzations
and others because of private interest ter The international character of in the mat ing is well shown by the statement that twenty Banquet, and the chairman of that function spoke in seven languages. Four languages were allowed and English. I have only this further to say
about the Congress at the present writing, and that is that the chief interest appeared to cente for the control of the manufacture and export dairy produce in countries where adulteration is Canadian delegate, very mouch interest in tha
phase of the discussion. because hapily all questions were effectually settled in Canada year The Governments of hoth Belgium and Holland
were very energetic in their efforts to make th were sery energetic in their efforts to make th
stay of the delegates as pleasant and prolitat as possible, and numerous excursions were
ranged throughout the country, with a view seeing something of the rural life of the people.
One sees in this part of Europe many contrasts and a curious blending of the old and the new. judged by the methods which they employ. so are carried out, and, for thoroushness. for
nomical management, and for superiority of uct. Canadians might learn many things from the with a crude sort of mill, which was in Belurned But, on the other hand. T also saw some of the
finest market gardens and the most extensive glas finest market gardens and for the growing of grapes and other nroth world. It ravelled over country roads which are


## ne doted line behind the cow stalls shows a par tion erected when the cows are not being

transportation to a minimum, in a country wher roadmaking is extremely difficult. Further, I sall cneamery buildings which it has ever been my One of the interesting sights in connection with The Dairy Congress at The Hague was the large


Cheese Covered with Tarp
a severe outbreak of the foot-and-mouth disease the (:overnment would not allow any cattle $t$ a concerned; but, as dairying is the national indus
ry of Holland, the exhibits of dairy produce an of darry machinery naturally occupied a very large place in the exhibition. Two varietics of cheese, the Edam and the Gouda, are practically the only duction is a very large one. The production butter is very large, also, to say nothing of mar
garine and various blends of the two tion with the cheese exhibit, it will be of interest to Canadians to know that in the foreign class
Canada took the highest honors, competing with New Zealand, Italy, New South Wales, and Grea
Iritain. The Canadian cheese was exhibitod a London importer. The manner exhibited by the butter, while not making an attractive dis judges from identify ing any of the exhibits. Th a sort of enclosed counter. the doors of which were securely locked after the butter was placed
therein. Fach package was placed directly under therein. Each package was placed directly under
an opening in the top of the counter, about 8 inches in diameter, givine sufficent room for test
ing the butter, but making it absolutely impos
ing was see anything of the package. The open The exhibit of dairy machinery was the finest buttermaking purnoses. The various styles cream separators, butter-workers, tinned coppe coolers, and other vessels for the handling of milk which Canadians should note, that these conti nental dairymen, who are our competitors, ar bound to have the best machinery, no matter chinery who wishes to successfully dispose of his wares, considers more the question of durablitity and suitability than he does the question of cost his machinery will be judged upon these lines tha dary consideration.
During one of the excursions into the country, we were shown, at Oud Bussom, the fine example of a modern dairy stable, already mentioned. A
herd of 200 cows is kept for supplying milk to the City of Amsterdam. The floor of the stable is constructed of slate tiling. The walls are of brick, smoothly finished in white enamel-cement
giving no opportunity for the lodgment of dust or giving no opportunity for the lodgment of dust or
dirt of any kind. It is well ventilated, and kept as clean as it is possible to make it. The manure from this stable is removed by a car which passes along a tunnel underneath the floor of the stable. stable cool in summer and warm in winter. We were not allowed to enter the stable in which the cows were standing, some reason in connection the exclusion, but there was no difficulty in seeing the exclusion, but there was no difficulty in seeing
the cows and the interior of the stables from the windows and half doors which were open. There iron pipe on the line between the manger and the space allowed for the animals. The cows were fastened to this framework with a chain, which allowed the greatest possible freedom. I noticed
that the cows were well bedded with straw, althat the cows were well bedded with straw, al-
though the weather was quite warm. The illustration of the curious-looking wagon loaded with hay was taken at this stable. It will be observed that the pole of this wagon is short and
curved backwards towards the load. The horse or horses are connected with the wagon by means
of a chain attached to the base of this hornof a chain attached to the base of this horn-
shaped contrivance, which is used to assist in shaped contrivance, which is used to assist in
steering the wagon when necessary; but, owing to the smoothness and evenness of the roads, there is readers may prohally recornize in the figure be readers may prohall, recognize in the figupe be-
side the wagon the well-known cheese-buyer of Whasgow, Scotland, Mr. Andrew Clement, Sr. of the picture of Dutch dairying, is to be found on the farms where one building forms a combined house and stable. The accompanying diagram was visited. The cows are not kept in the stable during the summer months, but during the winter only. The fodder is stored in the loft of the
building. While the idea of having one roof cover the cows as well as the living apartments of the family, is not in acoordance with our ideas of either sanitation or comfort. I am bound to


Cheese Market at Alkmaa

The foors are made of tile, and the mangers and
other feed boxes of glazed earthenware tiling enters pretty largely into the In fact, of the stable.
in North Hdam cheese factory, which was visited, similar to those of a Canadian factory lines very is delivered by the patrons once actory a demand for these small 4 -pound Edam cheese having a firm, dry quality which will stand hot
climates. The factory was equipped very much The factory was equipped and arranged better built than the average factory in Canada Cement and brick were the two materials entering ing used.
est and oldest in market at Alkmaar, one of the larg est and oldest in North Holland,' was a most in does not give a fair idea of the size photograph in which the cheese were stacked. The square seemed to be full of the curious Dutch The town which the cheese had been brought to the marke in a heap on the pavement, and, if hecessary oovers them with a tarpaulin sold, they are loaded on a sort of hand barrow and carried into the weigh-house, and tran
weighed by the public weigher, and there from the market by the purchaser. The removed house seems to be a very ancient. The weigh Holland. The men employed on the market, wh attend to the weighing of the cheese, form
picturesque quaint and characteristic dress. Eving to their Holland and Belgium appears to have its market
place, and in some there, and in some places there are several of porary markets. For instance, in Brysed tem certain mornings of the week, a large vege, market is held on the vacant space in front is cleaned church, but by eight o'clock everything and all traces of the market removed fly fushed gardeners or hucksters, in their quaint costume or two dogs, have taken their often hauled by one many cases not before saying a departure, but in church near the market. On the "Grand Place," or great market of Brussels, surrounded by the medieval buildings which are such a feature of this
part of the city, there are vere certain mornings of the are vegetable markets ings there is a great live-bird market, and morn itternoons a flower market, where one will see the or which the Low Clion of the various blooms markets disappear one after ane noted. Th being removed, and in the evening a large, tem porary covered bandstand is erected, and is tem orchestras which are to be found in the bands or Before morning the bandstand has the country and one or another of the markets is again in or less filled with the intervals, the space is mor an hour after the time waiting for fares. Half one would never know that anything of markets, had taken place, because all traces are so kind ness makes it possible to have such for cleanli-
They seem to things done scrubbing the we constantly cleaning windows and I might dwell scrubbing the pavement itself and of the Dutch creamery buildings which I saw some parts of Holland. There is an eviden sire to make these buildings attractive in appear with strict attention to sanitary details, and the makes them an ornament to the landscape than a blot thereon, as is too often the case rathe out to Canadian dairymenity of again pointing more attention thairymen that they must give buildings if they wish to keep pace with theiry with the rest

FOUND RECORD-KEEPING PAID

## oditor "The Farmer's Advocate ".

During two years I kept individual records of th
conduct of our cows at the yield of each animal and taking a composite whing the as to arrive at the fat contained in their milk.
started keeping these were just boarding with us. It was surprising our cows tormation it gave us. The very animals we were
opinion were doing the best, our surprise, as to their poor milking qualities much to man should ever go into the dairy business without his spring balance, test bottle and record sheet, which are the best means of finding out whether his cows
are paying him for his trouble or not. There being
no market for no market for hutter in this district, other than being grocer's store, who only yave very low prices and
groceries in exchange. it paid me better to groceries in exchange, it paid me better to put my
land under wheat than keep cows. N. J. DAVIES.
Sask

Editor "The Farmer's Advoc
In regard to keeping cow records, I might say that
I have kept a record of fifteen for a year, and find work both pleasant and profitable. a year, and find the required for weighing is very little indeed. I took
samples once per day from each cow. I started the samples onde per day from erch cow. I started the
record, because when I attended the Cuelph, I was taught that this was the proper way to
test cows, and then, from travelling, wherever I found test cows, and then, from travelling, wherever II found
a man who used the scales and test, I always found ap-to-date maned the scales and test, I always found an
mith cows that were all pay profits. The good they have done me is made clear
in many ways in many ways. A good-looking cow may be a very
poor cow, so far poor cow, so far as milk production is concerned. may be really a boarder. To a man that is taking as good care of his cows as he knows how, I would say
that the milk recold that the milk records would be to him a series of sur prising facts, and the source of double and trebled in-
come, if their teaching were followed.
Westmoreland Co., N. B.

## PAYS TO KEEP RECORDS

I found, by keeping a milk record, that I built
up a herd of good cows, got more milk, and of
better quality; the cows got son will take better care of his cows. It will parany man that is dairying to keep milk records.
Carleton Co. N. B.


Holstein cow. First in class, semil Sylvia (2195)
nadian National Exhibition, senior champion and grand champion female,
brooke, One and exhibited by Lominion Exhibition, She
Point, Nova Scotin Brothers, Amherst

## GARDEN 毅 ORCHARD

IN BRITISH COLUMBIA FRUIT VALLEYS. rary " "The Farmer's Advocate \& Home Contempo-
of Winnipeg, we raprol, correspondence, descriptive the following editoria ranching out in the P'acific of frovince -farming or
topography and area of farms. The first point for a man from East of the
Rockies to grasp, when considerin of a ranch in British Columbia, is the purchase different state of conditions prevailing in the
Western Province now of the three main inland valleys, spe the orking gan, Arrow Lake and Kootenay), farining is ana sentially intensive, as opposed to extensive. A
square foot of waste e square foot of waste land in these extensive. A
much loss to a ten is as acre in a large farm or ranch in the as a waste Every foot of space that canch in the Northwest Okanagan or Kootenay or Arrow Lake farmer must be considered almost as carefully as inches are in Section is, broadly in the prairies one quarter section is, broadly or generally speaking, quarter ten-acre or twenty-acre plot may be bounded by
rocks and cliffs which of attempting to cultivate. This would dream makes its practically imperative for an intending purchaser to view through hise for an intending
of a thoroughly trustorn eves or those it may he proposed to acruins friend the lot which possibility, then one should insist this is an im-
to such questions as : What is thers
of the lot? What is the greatest drop or difference aspect ? Does the slope face north, what is the or west? Does the mountain rise immediately irom the confines of the lot, and on which side or sides? Another most important consideration is cation, either a lake or a main route of communior a railroad depot. Once at either a town or depot, little or no difficulty should be experienced
in getting to market. in getting to marke
The third point on which to make up one's
mind is the physical impossibility with very rare exceptions, large tracts, for such crops exist, and, if they did, the nature of the mands like strawberries, and such soft fruits, de mands a larger number than is available of pick th, per acre, at the time of harvest. Taken all be content with, one should make up his mind to ranch, and on that not more than ten should be under soft fruits and vegetables, and the balance
be planted only with trees bearing apples, ply be planted only with trees bearing apples, plums,
cherries, and so on. But a ten to twenty-acre ranch is the more general size. PRICI
Lands are offered at all prices, from $\$ 10$ up to $\$ 500$ per acre. Think of it : Five hundred dol-
lars for each acre! And in to find, upon examination, that the lands a you will from a producing point of view, ahout the price iew, ahout the price
Iots will be covered with trees, and
probably an appreciable portion will be rocky and use less, thus in reality raising the price per
acre of that is available which is available. The
$\$ 500$ lot, on the other hand, will be a choice one, every inch good to plant, and with a stock on
the ground of trees or plants already in bearing. How one any protit in such high-priced land' apthe ken of a novice, but when it is re-
membered that $\$ 600$ worth of strawber-
ries have been sold
off an acre and a
third single cherry tree
will yield $\$ 5$ to
$\$ 30$ worth of fruit,
it begins to dain it begins to druit,
upon one that the
value is not exces
sive sive. $\quad$ But exces-
prices are such prices are excep-
tional,
and tillable land which requires clearing and or breaking amount of clearing ner acre, according to the soil, and the proximity to markets. More the seems to be on offer at $\$ 100$ an acre More land other figure, and it may be as well to state here
that these figures are all for snall ten to twenty acres. irrigation
Easterners that irrigation is the minds of many the inland valleys, but this is entirely all over parts are blessed with nature of the soil. Some a light loam, and here a subsoil of clay beneath required, because the average rainfall generally not age from the neighboring mountain and the seepwith irrigated land for all purposes. The ganges ally a sandy soil on the other hand, has pener have a practically continuous gravel, and this must ready to hand all through the summer. Which is irrigation, which difficult to say, for the cost of advantages which is considerable, must offset any gated soil. BETTER THAN IT LOOKS
From the general appearance of the country as hardly appears to be any arable land in suffiere of the present day were at one the best orchands remote, supporting large timber and entively masses of undergrowth which effectually tancealed
the ground beneath most as rough and made the good appear al Again, there are und excellent rang as the worthless,
the "a benches.. the " benches," at at anything ranches from located on 30 on

## $1+$

OCTOBER 3
 then. The newcomer, having finaliy selected hist. tion and clearect a portion of this ground, must next consider what to plant. Several plans are
adopteg, and each has its own advantagles. One practice is to plant
cherries
at
twentes pears and seventy trees to the acre, and istances, making
clover, in order to prepare to sow soil well
clover, in order to prepare the soil ween for suaw
fruits and vegetables. year is not worth considering, and it is the lirst to
itself to come up in the second year when two three tons per acre are taken off, the clover plants plowed in, and the ground, arter being well
worked, is now ready for the paying crops. More frequently, because most men like or have to get some return as quickly as possible,
the order is to clear, break and croo to vege tables or strawberries right off. These crops, of
to course, are planted between the orchard trees, as Having then arrived at the stage of putting in
he strawberries, the subsequent treatment the strawberries, the subsequent treatment is to to
be considered. Most go on cropping the plants as long as possible, give one change to any root
crop or garden stuff and then rasum berries. But a lew advocate the plan of Kellog the American strawberry-grower, who lays out his plants, say in 1906, takes a crop off in 1907, ground or covers them with burns them off. This drastic a treatment is and oproduce new growth of roots and enable the plant to make up for the waste of tissue due to a fine crop augain in 1908 . ${ }^{\text {and }}$ Similar treat to yield 1909 is followed in 1910 by plowing under and a rotation oro one year.
The Kellog plan, which appears to answer well The Kellog plan, which appears to answer well
on the American's ranch, has not yet been thoron the Americans ranch, has not yet boen ta we
oughly tested in British olumbia (so far as
can discover), so that we cannot say whether it would be equally suitable here.
selecting kinds and varieties. Now as to selection of species. Some locali-
ties will grow good grapes, some peaches, and some cherries. All lands that can be farmed at all will grow apples, plums and pears. It is for
the individual to make careful inquiry and to get around to his neighbors (who are generally perfectly willing to help the newcomer with sound advice born of practical experience), and discover
which of these which of these three first seem most likely to
suit his particular plot. The suitability will do pend upon soil, aspect, moisture and altitude. Having decided to grow one of the thiree first named species, in addition to apples, plums and
pears, the next point for consideration is pears, the next point for consideration is the
particular varieties of each
Here it is well warn the intending rancher against the very common failing of purchasing a number of varieties from the rist stock salesman that happens along. cumbered with trees which, whilst they may yield fruit, are yet not the hest commercially and a large number of little lots will be more difficult to market than a lew decent-sized consignments trees each of a few varieties which you cannot discover to have been already tried and found want ing by your neighbors, but let your chief space more than six varieties of concles three of noar and two of plums, and two of anything else. Some many as is necessary. Of the six, tet one be an early variety like Red Astrachan, two fall apples
like the Wealthy or Gravenstein, and three winter kinds, such as Cox Orange Pippin, Yellow Newton
Pippin, MCIntosh Red. Ribston Pippin, Grimes zolden Pippin, or Northern Spy. In pears, the Flemish Beauty, Louise Bonne
and Clanp's Favorite appear most in vogue, but the Bartlett is good also.
In plums, the Bradshaw, Burbank's Sugar, and Peach, seem, assortment.
In peaches, may be suggested the Early CrawCampbell's Farly grapes and Moore's Diamond were about the only winners at Nelson, lut they
can scarcely be regarded yet as a reliable breadcan searcely be regarded yet as a reliable bread-
winner. Crat-apples do well. The
Hyslop are safest. Magoon strawherries and Cuthbert raspherries
are looked upon as the best for shipping over long are looked upon as the hest for shipping over tons.
distances. the financial returns in the kootThe financial end of the husiness is ultimately tricts, and we have endeavored to obtain a fair sstimate of the average yiold of ranches in the
Kootenay (others will be given later), and before

THE FARMER'S ADVOCATE
 been done and is being done bere now upo what has accepted by a proposed ine herere now, and mas be providing he choosses reasonably are at maturity, varieties, has sense enough to prolit Irom the and perience of his neighbors, and to use his own
head.
Apples may be considered to yield $\$ 350$ to
$\$ 40$ per acre; pears $\$ 400$ to $\$ 500$ per acre plums
 acre; cherries $\$ 800$ to $\$ 700$ per acre; strawberries
$\$ 500$ to $\$ 600$ per acre where else. These acre, potatoes, as much as any-
consulting twelve years' experience. browers of from two to
Individual cases of $\$ 3$
worth worth of cherries off one tree $\$ 1,600$ cases of $\$ 30$
strawberries off one ane known., but are still exceptional. Apples are the staple, being safest, easiest to grow, and easiest to handle and pack; and, of apples, let the larger part be winter varieties.
Pears are next, and follow in the order namedies, plums and peaches still more does this apply to about cherries-and difficulty of picking, packing and marketing quick ly any large quantities, for labor is scarce and his individual efforts, a Chinamand depenaing employed upor
to to assist on some ranches As on the prairies,
the man with a large family at the tio has a great advantage over the lone ang age, but there is this additional consideration, that the picking and packing of fruit is much more
suitable hay in open field crozs Strawberries are peneral
gap" for newcomers during the year the "stop young trees are in fruit. The happy possessor of
a full-beariny ranch does a full-bearing ranch does not bother his head with
these and similar crops that require such ous hard work. Tomatoes can hardly be centinoned among the commercially successful crops of the district, since more often than not they fail to
ripen satisfactorily grown, and some fine results are obtained from time to time, but, commerclally speaking, they are not regarded with favor. Garden stuffis will
grow prolifically but must be grow prolifically, but must be looked upon in the
light of " stop gaps ", only, and the Chinamen have this trade pretty well to themselves, pedaling round with small carts from house p
Grapes do well in places, but only in places. who can give us actual results -obtained in donllars and cents over a period of years, and in the subjects of varieties, insect troubles and their treat
ment. - Editori

## GOOD PRICES FOR VEGETABLE CROPS.

In spite of the lateness of spring and dry mather
during summer, the vegetable-growers of the Province have had a satisfactory season, report the crop correspondents of the Ontario Vegetalie-growers' Asocia-
tion. On the whole, pricess have been good. Rains In early fall caused rapid growth, although most crops weather conditions enrly in the oirsect the unfavorable have been favored with excellent weather for harvesting. The outlook for pricies during late foll hard win-
ter is qood. With potatoes bringing tairly hal ter is good. With potatoes bringing fairly high prtcees,
and high prices in some localities, all kinds of vege. and hiihh prices in some localities, all kinds of vego-
tables should sel welle
In many Ioralitites, potatoess aro turning out hetter
han was experted, hut the yield is only average. They onion crop has not on account of the demand. The district. . Many growers complain of a large propor-
tion of .. thick-necks able that the marksen or "scallions." It is probon to the market; a large percentage of them will be rept over winter. Celery has yielded a good crop, but the quality is not quite up to the , ptandard. Lettuco
and
radish is fairy is plentitul and extra fine in quality, whare grown, and caulifower have yielded well, and are of fair qual-

BRIGHT PROSPECTS FOR APPLES
at Leeds, England, Canadian Commerclal Agent quiries into fruit circles conirm his previous reorts that there will be little apple competition
irom Belgium, Holland and Germany, while the English crop is anything but good. The proeapples, on which the English dight for Canadian nd it rests with C endin aiders are relying. most of their opportunities

The Ontario Horticultural Association will hold a two-day convention Nov. 14ssoclation and 15th, during
the Horticultural Exhibition in Toronto with excellent programme dealing with various phasee of foriculture.

## POULTRY.

POULTRY HOUSES.
OLDER AND NEWER STYLES - IMPROVEMENT ON OLD PATTERNS-WHAT HA ED TO POULTRY-HOUSE DEVELOP-
MENT-A RETROSPECT.

## By 1 . G. Gilbert, Manager Poultry Dept., Experimenta.

To be reminiscent is human, but all humans are not inclined to be reminiscent. To properly treat this subject of poultry houses, we must go Twenty-five years ago the writer and one or two others got eggs, it is true, in winter, but from fowls which had opportunity to enjoy unlimited run in spring, as soon as weather conditions permitted. The poultry house was primitive in construction. The idea was to keep the fowls warm, at any cost, and feed them well, if winter egge were desired. If early spring eggs did not hatch well, it was considered only a question of a short time when they would become all right-which they did, because the hens were running out meanwhile. At that time all was amateur. There cover reasons for this or that. Poultry-k dis was little indulged in, less understood. New-lata eggs were a comparatively unknown quantity, and seldom seen on the or wyandotte chicken wai meeting one autumn morning at that period, an elderly resident with eight chickens tied in a bunch and held by their legs. "D Do you know," he market." But such chockens!

DEVELOPMENT OF POULTRY-KEEPING

But poultry-keeping gradually became more geth


Alternating Scratching Shed

hatched and reared which made weight development of one pound per month. These facts were officially published in the shape of reports, and they were certainly great incentives to others to try to do likewise. Many persons in different
parts of the country went into poultry-keeping Then came letter after letter in succeeding spring months, from various parts of the country, to the effect : "My hens have laid well during the past experimentalists were up against it (weak germs) the letter-writers were up against
in this country and the United States was focusse on the subject, and investigation followed. In the early days, as already noted, it was cons
ered indispensable to have a " warm" "warmed "house. The result in the first stance was usually secured by sawdust-lined walls and poor ventilation; in the second, by artificial moans. constructed as to admit as much fresh air without draft, as possible, and to do away with warmth of any kind. The pendulum has swuing suit other way. We are trying to make our bird.
sinter climate, rather than the climate the birds.' Incidentally, we are endeavoring $t$ find out what effiect, if any, previous styles of houses and methods of treatment had in causing
weak germs and their results in chicks dead in the shell, many at the pipping stage; weakling chicks white diarrhoea, etc. It is of houses we write at resent, not methods of treatment
houses of new designs to The rescue As a panacea. for many of the ills enumerated, ance. Among the first was "The House with Scratch-shed Attachment." This style of house, which came from the Eastern States, was well received in Canada, and made many friends, among e made singly . be made singly : that is, a house with scratch-
shed adjoining it, under one roof, or it shed adjoining it, under one roof, or it may be apartment, then another roosting apartment, then a shed, and so on, as shown in the following admirable sketch, which is taken from a recent pub-
lication by the Cyphers Mfg. Co., of Buffalo lication by the Cyphers Mfg. Co., of Buffalo,
N. Y. Some of these houses are more open in front than others. In the above case open in cotton or muslin curtain in the front of the scratch-shed, which cu tain can be lowered or raised at will. It is really a house with a cur-
tain-front scratch-shed. a curtain to the whole of the shed front is that the sunlight is excluded when the curtain is down. In a single house of a similar design, at the Ex-
perimental Farm, here, the front of the scratchshed is covered with two-inch wire mesh, and a window in the center. The curtains are hinged in two parts behind the wire netting, and on each side of the windows, so as not to interfere with
the sunlight. The progenitors of the style of house as shown qbove, claim that the fowls will roost at night and lay eggs during, the day in the enclosed apartment, which is known as the roost ing for whole grain, which is scattered by search litter, always on the floor of the scratch-shed the keep fowls warm during cold nights, a curtain is oosts (for sometimes there are two), which are ground plan of the houses and sheds, a generdify
view of which is shown on page 1711. modifications of the foregoing build-

There have been many modifioations of the
bove style of building, made from time to time above style of building, made from time to time, such as to permit of improved methods of ventila-
tion, by a canvas frame at top and bottom of
window or windows. shed, but wire netting instead (this for warmer districts). One objection to the roosting and laying rooms, as shown above, is the accumula-
tion of moisture, which is doubtless due to of ventilation. Hence the cotton fraines above and below the window; slatted ceiling, with straw above, to absorb moisture, etc. But, no matter
how many and radical have been the how many and radical have been the changes
made in the original design of house and shed attachment, the principle governing its construction remains the same. Perhaps the most radical departure from the original plan is the abandon-
ment of the scratch-shed. ment of the scratch-shed. But of this and the reasons therefor, another opportunity must be
taken advantage of to dilate thereon.
PAT'S SOLILOQUY.
The strangest oidea in the wurruld to me,
That is taxin' me noddle at prisent,
1s how can a poultryman make me, to be,
That a chicken is dressed whin it isnnt.
-Exchange.
$\qquad$ ports good prospects this season for Canadian turkeys in England, the supply of game birds lowing suggestions

$$
\begin{aligned}
& \text { " Cold-storage arrangements are essential, and } \\
& \text { appearance alone, in nine cases out of ten, decides }
\end{aligned}
$$ the sale alo alone, in nine cases out of ten, decides point, however and birds. The most important created a good deal of discussion, is the killing of the bird. On this subject, dealers in the north of England declare that the only way which gives satisfaction here is that the bird should be well bled, as, by this method, when it comes out of

cold storage, it is not only whiter in color, but keeps longer. If the bird is killed by the ordinary process of wringing the neck, then the heat of the blood seems to accumulate and turns the flesh a greenish color. Before being actually
killed, it is also suggested that the bird should be starved for a few hours, so that the food may get digested; otherwise, this might spoil the appearance, and after it has been killed it should be hens to sit for the had a lot of trouble getting th hung up for two clear days before heing put into week or so, then off they would go to lay, and I would
chickens would come
 the hen with them, the hen with them.
Then I would put the
eggs under some other eggs under some other
hen for a fow days more, so at latt we got through for the
season. We hatched season. We hatched
nut about 350 chickens, and I don't think We lost 25 this year. tile, though they didn't all hatch. I had
a good place to ad a good place to set
them in on the ground With a place for feed
and drink, and they would dust themselves every $t$ ime
wanted
to. We keep $\begin{array}{ll}\text { all } \\ \text { Reds, Rhode } & \text { Islan } \\ \text { Rnd }\end{array}$ Reds, and 1 wouldn
want Want any better lay
ers. Figgs, I think
are the only thing that pays with me, me,
for the young chickens or the young chickens
eat as much worth of feed as they bring
when killed. We have
heen huying heen buying all wheat.
for teed this summer.
Our best henhouse is 24 feet by 12 feet
shingle shanty root shingle shanty roof
with tar paper be
tween the shingles north-east and west $\begin{array}{ll}\text { double boarded, } & \text { with } \\ \text { tar } \\ \text { papor } & \text { be }\end{array}$ side is just single oards, not very close ens over with no bat llenty of air, but $\begin{array}{ll}\text { No drafts, as } & \text { as every } \\ \text { wall but the } & \text { south } \\ \text { side is tight. }\end{array}$ side is tight.
are two big windows
 Bringing Home the Flock. are two big windows
in the south side, up rised to pay special attention to appearance, es pecially seeing that Canadian turkeys last season other coop on the side of the hill, and we kept 130
only fetched 18 cents per pound, compared winter in these two coops, and never had 24 cents for British. Before being packed, the they looked, and would ask for a semarked how well Dirds should be plucked clean, and, as a protec- hatching time. I have received over 8125 ogss at
tion in the handling, they should be wraped round with a sheet of grease-proof be wrapped to that used in wrapping butter, which, inilar turn, should be tied with a piece of white, tape to
keep it in position. keep it in position. In the packing, it is usual
for one dozen cock birds to be shipped in and, in the case of hen birds, eighteen; but box, is a growing preference that a box should contain only one dozen of each kind." a big demand for Canadian chickens early next a bear. demand for
ing of chickens, it is advocator packshould be put up in a case, positions alternately reversed, and with a piece of grease-proof paper wrapped round each, and, in turn, a larger papere
laid all round the inside of hox Another im-
portant point, too, is the gradiner equal size and guality should tradinge Birds of
and on the outside of each casn should ther
the ore far this year, and have nearly oll my chickens to sell
yet. The old hens were yet. The old hens were nbout through moulting by
the month of October the month of October, and I ought to get a month or
six weeks good laying yet this year,
pullets to six weeks good laying yet this year, as I expect some
pullets to take to business any day now.
We fed corn We fed corn to our hens last winter for two
months, and we could get lots
feed sen feed seven hens with one cent's of eggs, and we could
them of corn by giving Elgin Co., Ont. (MRS.) H. J. HALES. Note-For letters, such as the above, describing
practical everyday experience in any department
farm work

FEED THE PULLETS GENEROUSLY NOW
An American writer submits, as the three e

$$
\begin{aligned}
& \text { sentiais ior making pulluts lay, winter eggs, early } \\
& \text { hatching, litreral feoling, and regularity in atten }
\end{aligned}
$$ tion. While these three postulates do not sum up, all th. rempirements, they are certainly very



OCTOBER
THE FARM BULLETIN.
he Farmer's advocate
a scottish-american defines the pro GRESSIVE FARMER an gressive individual farmer is producing much more the
the averange the average farmer did a Eenerpution neo, and men of
this class are keepling up, the productive emalitime their farms. They olserve certhin we quanties of
O keep live stock, and fmals and toch, and grow, feed forme as rough rowe of they
 prices that have lieen current, the progressive farmer
grows littoo or onee
respond to their keopinio keeps improved stock that
 He tiledraine his
He keeps up good fences
He has good pasture.
Ho breeds draft gorden
rood mares and growing, colts. does farm work with He has a library, with periodicals and standard
works, and a musical instrument. He helps his wife in the house when she needs it;
has a apring vehicle for her to visit in, and church with her himself.
He keeps dairy cons
He keeps dairy corw or mutton sheep, or both.
Jas. Wilson, United States Secretary of Agriculture.

## canada's postal business growing

 The report of the Postmaster-General, for the fiscalperiod of nine months, ending March 31st last a total revenue of $\$ 6.535,093$, and an expentiture of
$\$ 5,452,792$, a surplus of $\$ 1,082,301$ an The surtus for the whole twelve months of the proceding year was
$\$ 1,0111,765$.
Of the total mail matter carriod in tario turing the nine months, nearly hall was con
tributed by Ontario, while Toronto stands at the head $\$ 998,951$. Montreal's revenue was $\$ 660$ mounted

 Kingston's, Brantord's, $\$ 37,328$; Guelph's, $\$ 29.226$
 Catharines', 819,335 ; St. Thomas', 819,417 ; Galt Bellevilie's, sis,687. 970 , of which 14,700 of dead letters, etc, was 1,458 D. Some curious things which found their way to the three bottes of whisken, twelve cates, one can of
salmon, one football, numerous articles of ecellery saimon, one foothall, numerous articles of jewellery,
five packates of gum, one hair-brush
three kio hair swith, mince pies, nineteen mortgages, seven napkin rings
thirty-six neckties five mirht-treseses on thirty-six neck ties, five night-dresses, one oil-cloth, four
pawn tickets, two pedigrees, six packages of peanuts, forty-five pipes, twenty-one puddings, seventeen razors ix diamond rings, four rubbers, five pairs socks, thir
 leaner. an's stole or a . Farmer's advocate , ring, a clergy write the address clearly, and see that it is all on tho
nvelope. Perhaps we should not be personal, but we are particularly anxious that no subscription money in-
tended for "The Farmer's Advocate" shall find its way the Dead Letter Office.

## horse sense " in education

Faditor "The Farmer's Advocate
I am much obliged to you for sending me a copy the your magazine of the 17 th instant. I have read
the first article, and, to speak in agricultural language, There is a good deal of horse sense in it." The tional development, because for thirty years or more wo
held the erroneous opinion that we were far ahead of 11 the rest of the world in educational affairs. HowWe are getting free from the examination craze, and we re begining to realize that the boy's originality, and transforming power, cind achieving tendiency, should be
teveloped by the schools. We are going to do more excutive training and less knowledge cramming in the
JAMES L. HUGHES. Chief Inspector's office, Toronto.
Officers of the Wellington Field Naturalists' Club
Pentive F. Saunders, London, Ont. Fresident, J. W. East-

mportation of horses, asses and mules raise the standard of rural schools
INTO GREAT BRITAIN.
desire to call the attention of all concernued to the fol sour paper ant article in submitted for publication in


 Britains or the Iste of Man, shall be landed in Groant suion, that a the standard of eduluation in of educa-

 hat the found that the animal did nose may be, and here let me ask what has become of ". "Mae way, just the months that have elapsed "Mac."? During Mac.," I have read, with much interest, my reply to editorials in your paper on the subject, as well as lot-
ters from many others along the same line, reminding
me of the savine ne of the saying of the Apostle Paul: "A little
leaven, leaveneth the whole lump., Many of these letters appear to agree in the main with the ideas advanced by me that our "rural-school system " is faulty, and, secondly, that the standard of
education in our rural schools shond the Our present school system has been in vorve tor 50 ong a time that it will require persistent and united efrort so to ndjust matters as to bring about the deired results. Mr. Darling speaks truly, when he aays,
your issue of October 17the. "It is the then residents, were taking a little interest in educational matters." For is it not a fact that we have too lopg been zontent to leave these matters in the hands of
our socalled experienced inspectors and prent our sicalied experienced inspectors and profosional
educationists?
There appears to be a growing conviction amongst rural residents that these oflicials are
the guelph combination sale The auction sale, at Guelph, Ont., Oct. 23rd, of Son, Mornat, and W. Tr. Elliott \& Son of Geo. Amos \& of Guelph, was largely attended by breeders from con siderable distances. The stock offered included a nurn
ber class, very good things, and they wero of a creditable
best thinss hroungho and were in excellent condition. The best things brought fair prices. A few of the animals
were withdrawn, owing to the bid not ed by the sellers fair value tor them beina consider and high price of feed seemed to render breeders cau-



 theso inspectors
educationists and
shoul believe that our odu-
catilonal syan cational system is im ter work is being done
by our public-achool leachers than in yoaro
cone by bor mair appear to be to the the 1 of them do, in town
of cities,
one
one
tide
tee one eside of the quee
tion, and apparent1 em our school sy tom
ural anfecting
districte. eave to suggest the might also be in order
or our ingeector and
feared. T
than has
than has been overcome many times in the past, and ${ }_{\text {Following is the sale list }}$
cows and heifers

Village Lassie 6th; born Sept., 1908 ; John Dryden Golden Bud. Auril 1901. Tohn MClenn..... $\$$ fad ....... ........ | Ecten Masis 2nd; Doc., $1906 ;$ A. F. \& G. Auld, 15 |
| :--- |
| Eden Mils ... |

 Mofrat y slope 2 ad Janury 1905 ; … 10 Bowman, Amherstlourg ${ }^{2 n d}$, January, 1905 ; Dr. 100 Village Lassie 2nd; Oct., 1904; John Dryden \& 96
 Ella, Bockinghaun ; Sopt., 1905 ; A. E. Shuttlo-
worth. Heapeler Mysie Lilly; Dec. 1906 ; W. H. Easterbrook, Free $\mathrm{man}_{\text {mashion's Royal }}^{\mathrm{m}}$ : Jan., 1900 ; A. E. Shutleworth. 80 Village Lassie 7 th ; Nov., 1906 ; John Dryden \&
$\qquad$ Kossuth Ivy 3rd isept., 1905 : Thos. Ellis, Cliford
 Brawith Hero : January, 1907; Prof. ©. E. Day, Guelph
Ury's Hero: February, 1907: T. W. Fulie $\$ 120$ clifford Fashion's Rex : October, 1902; Gee. Hillebracht,

Brodhagen |  |
| :---: |
| Son |
|  |
| 65 |

 articlo that the day when a pupil may secure a high school training, without going to the town, is rather
 schools in the country. The towns and citites are nigh not
begrudged the high schools begrudged. the high schools. Inaeod, theye are wal-
come to have them. What wo do object to, howeven come to have them. What we do object to, however,
is to have the standard of our rural puhbic lowered, as it has ben, und til they are only mere stepping-
stones by which to
 schools, or pass on into the respansibilitiles of eitizen-
ship with $\&$ a- tremendous lack of preparation suties. Allow me, Mr. Editor, to say right here that
dite prize your valuable paper very much, having read it
with intereat for vears, and find th, various incerst for years, and very beneficial, and the disistasions on
 Very helpful, although I do not ot all times agree with
your ideass, For instance your ideas. For instance, a fow wooks ago you were
Ioud in your praises of our hilgh schoole having apecta teachers appointed to organize agricuturunal classees, and urged the various districts to co-operate with the
teachers and make limen teachers and make liberal grants to aid them. 'some
of them, however, were inclined to
 think, was commendabie on their part: $I$ am or the
opinion that we do not want thesectal opinion that we do not want these special agricultural
teachers in our hivh schools teachers in our high schools at all. It looks to mo
like another talse move on the part of the Minister oo Education. If any of our bart in the towns or
cities want on to Cities want to study agriculture, iet them go out and
engage to work tor some practical tarme to engage to work for some practical farmer for a year
and they will loarrn practical such as they would never dream of in studying in a hish school; and, it atter a tew years on the farm, they
want to become specialists, the a can the get want to become specialists, they can then grme what
they want at the Agricultural College, at Guelph. Mr. they want at the Agricultural Colloge, at Guelph. Mr.
Darling advises us to toke plenty of salt with the in-
 perience, that many of the assertions made by Mr.
Rice are too true, and shall meserve the taken alonk with the advocacy reorv special agricultural classes and other such chilld's play. ings of several eminent men to show that " No country


 of our rural pubiciceschooles oxiord co., Ont.
the editorials in our issues of wuly turn up and re read



 the comon ontooleato nhiteorm simoud commenco in
 a hoppotul sign of the trend of oduactional oopinion, and
 poithed out that the proarramme mappeal out was overambitious in what it promised dtumpod outs was over

 courcess offerece thereat.--Dititor.]

## CANADIAN PONY SOCIETY

Hireaters of meeting in Toronto, on Oct. 23rd, the Preaident of T. Stock, Secretary H. J. P. Goood an耳o. Mobinson a committee to take up the matter complete all the necessary arrangements for the in corporation of the Society. Twenty-five dollars wa voted as a donation to the Ontario Breeders' Show, to Da held in Toronto, on Feb, 12, 13 and 14, R. W.
Davies, Robert Miller and Robt. Major were named javies, Robert Miller and Robt. Major were named a pointed representative to the National Exhibition Asso

CALENDAR OF SHORT COURSES AT O. A. C.
Just to hand is an illustrated calendar of the Ontario Agricultural College. The two weeks' course
fn live-stock and seed judging will 14 th, 1908. The special winter poultry course will commence January 14th, and continue till February
8th. (On account of limited tendance in this class will neecessarily be limited twenty-five.) At the conclusion of this course, the an
the nual Poultry Institute or convention will be held. For
those interested in truit-groing the regular 2 years' or 4 years' will be held from January 27 th to February 8 th. The dairy courses are as follows
Makers, and the Farm Dairy fory Cheese and Butte the farm, opens January 2nd, and closes waren or 1908. The Factory Course will be strictly limited those who have had at least one season's experience in a creamery or cheese factory. Students without fa
tory experience will be required to take the Farm Dair ourse.
and ends April 4 Dairy Instructors begins March 31s
and ends April 4th, 1908
3.-Summer Course for Butter and Cheese Makers the pasteurization of milk and cream, begins May 1st, and ends September 30th, 1908.
No entrance examination No entrance examination is required for any of th
short courses, and no fee is required for any from eeidents of Ontario. For non-residents, a fee of $\$ 5$ s required for the dairy schoor. There is practically o cost. except railway fare, board and ordinary living expenses. Write for calendar of short courses to Presi-
dent G. C. Creelman, O. A. C., Guelpn, Ont.

## THE LATE ISAAC DEVITT

The late Isaac Devitt, of Freeman, Halton County Ont., who died last month, was born in 1837 on a
fow the site of the thriving town of Waterloo, Ontario. His father, the late Barnabas Devitt, was of
Irish descent, having come from Ireland to New Jersey and subsequently to Canada in 1812. Starting out for himself in 1862, the subject of this
sketch settled with his bride on a form greater part of the village of Floradale, Woolwich Tp. Waterloo Co., is now built. The first years were spent in clearing up the land, after which his attention was years he bred Cotswold sheep, with marked success, his show flock always carrying off a large share of the premiums at local fairs. Soon a colt or two accom-
panied the sheep on their triumphal round of the panied the sheep on their triumphal round of the fairs.
A favorite mare that had well endured long trips in A favorite mare that had well endured long trips in
teaming, bred to a Clydesdale horse, produced the foundation of one of the best families of the present stud; her grit, stamina and endurance being transmitted
to her offspring, which also combined size, inherited to her offispring, which also combined size, inherited
trom the sire. In 1888 , the quality of the stud was
further improved by the addition of from the improved by the addition of an imported
Clydesdale mare, winner of first and sweepstakes at Clydesdale mare, winner of first and sweepstakes
Toronto that year. Her blond now largely pr oronto that year. Her blood now largely p
dominates in the animals of the stud. Commencing


The late I. Devitt, Freeman, Ont.
CONSOLIDATED SCHOOL AT GUELPH. near the Agriculd Consolidated Public School, located tinued under a new arrangement, with four of the conmitted to retire. Owing to the henvy cost been perveyance of pupils to school in the covered of conthat they could had voted to retire, but it was found pated, as the present consolidation at the time antic till the end of 1907 . Unsolder the new conditions Macdonald Fund furnishes $\$ 1,200$ per year, and the tario Education Department duplicates the grant. Thi
is conditional on manual training nature study receiving emphasis, as before
tions furnish
One teacher
One tearnish the remainder of thas cost of maintenance
Three vans nowped, reducing the

## Three vans now do the work previously performed six

 By the secession of S. S. No. 1, the cost of per day to the suprine appears to be a strong opinion such as was not practicable in the trational training given and to the comfort of the scholars, but the increase 170 tax is the sticker. At present there are aboul tendance about 89. At and the percentage of atHidsummer 18 pupils secured understood that, even should some certificates. It is tire at the end of the year. the section in which re school is situated and another near-hy would continue school is under the principalshin of Mr. Fupils. The
who has been in charge since Semes.

> THE PRICE OF CARELESSNESS
$\qquad$ on indictment of nerlecting raw havint pleaded guilty, case of the explosion of a car of dynamite at in the
station station on August 9th, 1907 , has been fined $\$ 25,000$.
In addition, claims arainst the Lain to be paid, amount to $\$ 11$,0ouo. paid or cerlaims amount to $\$ 50,000$, and dama e to the rall road company's property $\$ 1,700$, making the total coll-
of the wreck to the comriany 890 ono the fine, Mr. Justice Riddelly stated that. In imposing
fully danerous substance was care and precaution than a carload of with no more
have allows. I more I ain sure I am rimht, that if it were made more
costly to railway companies and to obey the law, offences anal others to disobeve than
much diminished.


DECLINE OF OCEAN FREIGHT RATES tes during the las bulletn No 67 of the Burean of State explained partment of Agriculture, prepared by Frank And Assistant Uhief of the Division. of Foreign Mankets, Ocean Freight Rates, and the Conditions Affer ing Them," which will be issued in a few deys. Instances of great reductions in ocean freight rat are noted in the case of grain, provisions and cotton. wheat was carried from New York to Liveran average of 16.8 cents (gold) per bushel on salt beef the 1906 averaged only 3 cents per bushel pool by ster mean rate from New York to Liver in 1906 it $\$ 1.42$ per tierce in 1876, whil harged thirty yat 54 cents. The average ocean rate - England was more on wheat from San Francisco Reductions in the case of cotton rates were almounting in twenty years to more than 50 per cent.

## liners and tramps

The causes of reductions in ocean freights are largey connected with the increase in size of ocean vessels cargoes. Ocean vessels may be divided and their classes, liners and tramps. The first consists of ships belonging to a regular line; that is, a group of ves sels plying over the same route, voyage aiter voyage,
and having more or less regular times of sailing. Ves. and having more or less regular times of sailing. Ves.
sels of the second class, commonly called .. tramps." have no regular routes or times of sailing, but go from port to port seeking cargoes, usually for a single voy-
age at a time. Both liners and tramps are now built much larger than in former years. The cargo of a
tramp ship not infrequently includes the product of tramp ship not infrequently includes the product of
15,000 acres of average wheat land, or the cotton yielded by twice that area, and it would take two such cargoes to fill the hold of one of the larger freight

## Cargo space

crease in proportion opating a ship does not usually power does increase with every add while the earning space. The vessel of 10,000 tons' doed unit of cargo does not necessarily have twice the operating capacity larger vessel 5,000 tons, but the earing power of larger vessel may be double that of the former. The
trig ship earn a larger parcantaces by 25 per cent., and stil petitor. This applies especially than its smaller con construction engaged in similur traffic.

WESTERN SITUATION IMPROVES
the whole the fromi the Northwest indicate that, on is steadier and more confident than a couple of motion Saskatchanitoba claims rather better crops than estimated at from $50,000,000$ the total of wheat bein but a great deal of this will $60,000,000$ bushels. trost. All through the season was late, every meather of with late being described as "askew," compared crops, with yields while some districts have had good have fallen distressingly low. A a preats acre, others ing has been completed, but the deliveries of thresh not bet slow, so that the effects of marketing whea correspond approximately with The other crops the case in Eastern Canada, prices wheat, but as is the Western region are abnormally high, so that farmstruction is out fairly well financially. Railway con employment of labor and money in the country, by the siderable decrease in immigration of materials. A conyear is reported, and the speculation manin west this sided. D'eople in the towns are settling down to legitiover of pasture lots, and the season's experience will buying. The banks are still fisporing and less section funds. at high ranks are still disposed to hold their
insufficient forerally claiming that capital is

ENSILAGE CORN AT MACDONALD COLLEGE.

willaxat, In the course of a tritit frum London to
1.2ng. Two Leaming, 17 tons: Longfellow, $15 \frac{t}{3}$
tons.
one silo, and 99 tons into anety-nine tons were put fnto

## Banking Business

We invie moun or thess of it
THE BANK OF TORONT, Yourspare money de posited in our savinge Depart quired, a d interest will be added $t$ Drafre and Money Or Letters of Credit issued for
Money Loaned.
BANK OF TORONTO
Assers
$\$ 38$ 000,000

MARKETS.
toronto.





MONTREA

## $\mid$

 ,

MONTREAL.


## buffalo.

Cattle--Prime steers, 85.85 to 80.26 .
Hoals. $-\mathbf{3 5}$ to 89.8 . 8 . 86.50 , 86.25 to $\$ 8.45$; Yorkers, $\$ 8$ to 36.85 ; pigs, 85.75 to $88 ;$ rough, 85.25 to
$85.75 ;$ stags, 84 to $84.80 ;$ daircoo, 85.75 Sheep and Lambs.-Lambs, 85 to 87.10:
Canada lambs, 86.50 to 87

## CHEESE BOARD PRICES









antio 近的trationt.



FOR WHAT ARE WE THANKFUL For what are we thankful? For this:
For the breath and the sunlight For the love of the child and the kiss For roses entwining,
For birds and for bloom
And hopes that are shini
And hopes that are shining
Like stars in the gloom
For what are we thankful? For this The strength and the patience of
For even the joys that we miss
The hope of the seed in the sil
The hope of the seed in the so

## From day unto day: And lives that are brighter <br> And lives that are brighte From going God's way.

For what are we thankful? For all
The sunshine-the shadow-the song
The sunshine-the shadow-the song
The blossoms may wither and fall,
The blossoms may wither and fall,
But the world moves in music along.
For simple, sweet living
A heaven forgiving,
And faith that can reach

SIGNOR GUGLIELMO MARCONI
$\qquad$ public at the present time is Signor Marconi, the young scientist, yet in the early thirties, who has, without doubt, 10 a great extent, revolutionized the telegraphic svstem of the world He has proved not only the
possibility. but the practicability, of
the cost of ordinary cable despatches;
3) to moving vessels at se Marconi was born at Bologna,
Italy, in 1874 , his father being an
Italian, his mother an Irishwo Italian, his mother an Irishwoman. At eight years of an lrishwoman.
signs of invertive genius ; at signs of inventive genius he showed
". his twelve, "his mechanical devices were the
bane of his tutor's life"; at six-
teen he had med teen he had made great progress as a chemist and physicist, and at
twenty he was deep in the problem twenty he was deep in the problem first success in the latter at his Italian home, where he succeeded in
transmitting waves over transmitting waves over a distance
of two miles. Shortly afterwards
he went to England. where he sus ceeded in interesting Sir William Preece, engineer of the British Telegraphic System, in his project, and
demonstrated its practicability by sending messages from Penarth by Weston, and across the Channel, from England to France. On Jan. 23rd,
1901, he established between s.t. Catharine's. Isle Wight, and The Lizard, in Cornwall, a distance of 183 miles, thus proving
the principle of non-influence of the curvature of the earth; and by Deed the world by sending messages between Poldhu, in Cornwall, and
it. John's, Newfound and. During
the succeedine years that. the succeeding years the work went
rapidly ahead, communioation being
established from Poldhu Cod, Glace Bay, Kronstadt, Corsica
Gibraltar, and aboard various Gibraltar, and aboard various ves
sels. A regular trans-Atlantic sery ice was not immediately established
because various influences, weather conditions, clectricity of the atmos
phere, etc., had to be mot phere, etc, had to be met. These
problems have, however, been solved with the result that the opening of the Marconi trans-Atlantic system was formally declared on October
17 th of this year. 17th of this year.
Wineless telegraphy is based on the principle of wave motion. Just as
sound is transmitted by waves or fibrations of air, so the wireless message is transmitted on waves of
ether, an invisible and impalpable Huid that is supposed to occupy all
space. Fither is also the medium which psychologists believe is the
means of telepathy (thought transgnal). without speaking, writing or Between the air waves which trans-
mit sound and the other wicher mit sound and the ether waves which
transmit the wireless message, there is this interesting difference: TThe
air wave is what is called a longitudinal wave-vibration in a direct line. The ether wave, on the con-
trary, is what is called the crost and hollow wave, such as may be ob-
served on a water surface disturbed hy wind. In this case the motion of
the water is merpendicular, whereas the water is in-rpendicular, whereas
the direction of the wave is at right-
angles to it. In other words, the angles to it. In other words, the
wave moves ahead, but the particles
of water do not In producing the vibration which is
transmitted,
for which it was intended, constitutes as yet the chief practical disadvan-
tage of the wireless system, but thi will no doubt be overcome in time.

COUNTRY LIFE AND CULTURE, Cach Campbel.
Cach home a little kingdom, wherein all Whose head, a king, in his own aature right, a

Someone has said that it is ver important for character that we should associate only with the kings and great ones of earth. While this
sounds like mere rhetoric contains a vital truth. reall. There is no more trustworthy index of a man's character than the class to spmpanions wist whom he chooses holds communion only with the vulgar, is, himself, sure to be vulgar.
This word the Latin, "" vulgus,"" merived from crowd," has a more contemptuous lut it can have no worse meacing Chan when it refers to those who herd
together-those who be no bethore who are content to
about them. That they what see
Amo vulgar, America, as elsewhere, is to be easy-
going, to be loose in, speech, bearing
and minner and manner, to think that money can
gild the snout of the human swine in any community. devote their lives to the mere root-
ing in the earth of things grovel, and who have their resort in
the sty of the community, who are willing to eat the husks, who are
nothing beyond the mere material The opposite of this is that ideal in the social life which is constantly leading men step by step upward,
which makes them desire more the merely material. It is this ideal a fortune that the true value of that in the social scale and thise eleva-
tion is in the direction of relinement and careful social selection. stock-raiser, realizes the importance of good stoch. He is anxious as to
the pedigree oif his cattle and hord family ine ever consider "hom his
the one itermarry with? And yet the one is infinitely more important
than the other If a man of refine-
ment and ideals ment and ideals marries a woman
who is lacking in these, he to that
extont extent deteriorates his iamily: and
it is the same with the woman of refinement. How important it is, then,
that in the commpry Maces the people
should pay a moper attention to should pay a proper attention to re-
finement and selection. In the face of all nauseous cant on the subject
of cquality. there will always be
nition of this always has been, and statement by Mr. Andrew Carnegie in his "Gospel of Wealth," published ring to rapidly-made fortunes bome sixy-odd years ago Britain fortunes were made than (ireater but the makers, imbued with the aristocratic ambition to become great were soon and county magnates, They regarded wealth that class means to an end-entrance to the This under our democratic systems lack he vulgar, extravagant and offensive tre driven, that fovoles to which they derse criticism from people of education, good sense, and quiet, respect-
ablele living. with whom mere dollars This remarkable Carnegie's should be studied thought in the every Canadian dweller who, above mere mones-making it is in the rural community that the human be attacked. Men in the towns fall
into grades at America, the at once. Hence, in platitude country place, the silly his master,' has leck to a social do Hock is not as all know that ber of parliament. or be elected memor councillor, or be set to pry warden cure the sick, or defend cases in law therefore, admitting all this, should the country a class be developed in education, good sense, and people of spectable living, with whom mere
dollars count for little ,", "Jock" is an honest fellow, but he does, he is maying no and acts a to poor "J Jock," but actually doing have, no doubt, become eminent in society, but when they, did so they
ceased to be "Jocks," and it wa through a desire to improve, a crav vanced higher.
The The doctrine to be inculcated is not bounden duty to make his it is his
bound but that far as possible a center of refinement and culture, and so set a higher
standard for the whole community purer and healthier tifained that the country. But this has always been denied by several writers and other
authorities. The French writer, fe in Fives a horrible picture of rural has not depicted it as any Hardy in Fngland. But, on the whole, it
$\qquad$


Beaufort Tower, Hospital of St. Cross, Winchester.


OUR ENGLISH LETTER. SOMETHING ABOUT ANCIENT WINCHESTER.
to suppose there is hardly a place Motherland which is without a story to tell to those whose ears are open
to hear it, or beauties to reveal to those who have eyes to see them. Most certainly this applies with special force not only to the County of
Hampshire Hampshire, but more particularly to
the ancient City of Winchester, at one time- - . e., in the year 686-the capital of England.

## PARTLY REMINISCENT.

Perhaps it was from the fact that
nine years of my early been years of my early girlhood had zest to the pleasurable anticipations
with which though in those days I had probably thought but little of its historic interest, caring far more for a scamper
to "Oliver's Battery " over the breezy downs behind us, or for the dishing fs, on a rare half-holiday, of en (of Isaac Walton fame), than I did for the far-away facts which connected the questions and answers of
my school lessons with the story of
old St. Cross old St. Cross, the architectural
beauties of the fine cathedral beauties of the fine cathedral, or the
damage which the latter received damage which the latter received
from Cromwell's vantage-ground from the mile-off battery which still bears
his name. When word came his name. When word came to us
that we were to have a picnic-te that we were to have a picnic-tea
amongst the fine old trees which
crowned it, or were to the allowed crowned it, or were to be allowed to
take a long sumner evening's walk
round by the round by the quaint old Twyord, or
hy still quainter little Compor hy still quainter little Compton
cinurch then not much larger than a good-sized than not much larger than a
larryed andens. but now
existent tor us, was simply non sufficing. SOME OLD CORNERS OF WINCHESTER.
quaint little corner in which a friend had found for me a snuggery for the week which was all I could spare for the revisiting of some of my old haunts of fifty years ago. The win-
dows of my small quarters faced the high wall which enclosed the Cathedral Close, one of the gateways of which, with the huge doors black with age, and studded with nails be-
tween the panels, occupied tween the panels, occupied one angle,
whilst just round the corner was the heavy-browed archway, above which was old St. Swithun's Church, t reach which a somewhat steep stair-
way had to be climbed. Passing way had to be climbed. Passing
under the archway, one turned into
Kingspate Sol Kingstate Street, and, keeping to the left, came to Winchester College
founded by William of Wyla founded by William of Wykeham in
about 1360 ; and, farther on, to the ruins of old Wolvesey Castle, the palace of Alfred the Great, carrying One back to days before the Normian Great Britain. To St. Swithin, it seems, is owed the fact that, by' his influence with King Ethulwule Heptarchy days, the strong wall built, which since then has more than once saved the cathedral from de-
struction, for the Danes who Canterbury Cathedral, spared that of Winchester; and in the frightful civil war between Stephen and Ma-
tilda, when half the city tilda, when half the city was burnt
down, again the cathedral escared Although but little remains of the original edifice, there are still many records of it in existence, amongst
them, of the ancient Monastery St. Swithin, the present deanery of ing the prior's refectory, its beautiful three-arched doorway having been the work of Bishop Godfrey de Lucy.
Here, the pilgrims who had sea to Southampton, received food before they passed onwards on their
pilgrimage pilgrimage.
The roll The roll of Winchester bishops
throughout the centuries is a notable one, especially the earlier ones, each in turn leaving his mark upon that fine old city, and especially upon its
cathedral. To Bishop Fox is accredited the screens at the sides of the choir, upon which are placed the six mortuary chests, in which, we are told, repose the bones of Canute,
Queen Emma, William Rufus, and maeny of the early kings and bishops. True, one cannot be quite sure that
these stone chests actually contain these stone chests actualiy contain
the very bones of those whose the very bones of those whose name might mistakes have been made when they were originally discovered in the
crypt, but later diers are said to have dragged shem forth and searched them for possible treasures enclosed.
The two unique features of Winchester Cathedral are its screens, and
chantries, which latter are really small but exquisitely-carved chapels, built by bishops in their lifetime for their last resting-places. The effigy
of William of Wykeham, with flesh and robes tinted, and accompanied by other figures of monks and angels, attracts, perhaps, more general atthe two finest are conceded to be those of Cardinal Beaufort and Bishop Fox. Good old Bishop Fox death, and was so beloved by citizens and monks alike that loving hands were always ready to lead him into his chantry, where he would stay
to meditate and to listen to thie anting of the daily service to the Of course, there were royal mar riages in Winchester, although mardignity had eventually to yield to
that of the newer Abhey of West minster. Henry IV., married Joan minster. Henry iv. married Joan
of Navarre, as his namesake, the first Henry, had married Saxon Matilda; and it was at Winchester that The old chronicles say Oueen Mary

Philip was received at the thre arched doorway of the Deanery "dirip a splendid procession through th Gueen Mary's chair is still in th cathedral, and more than once in my girlhood, when the attendant verge
was pointing out other relics was pointing out other relics to his
group of listeners, have I slipped into that chair, and, giving the rein to my errant fancies, have dreamed what but vivid waking dreams o personage, would have done if little fad been born centuries ago, and had een England's queen. ago, and had But I have reached my limit, and
must tell you a little more about must tell you a little more about
Winchester and its surroundings when my turn comes again, a fortnight

## The Quiet Hour.

THE SHADOW OF PETER.
And little it a cost in the givile, But it 8 s
light,
And made the day worth living Through life's dull warp a woof An shining colors of light and love,
et little it cost in the giving.
While visiting in England years ago, hoard a sermon on unconscious influenc based on these words:" The Shadow Peter. the preacher, imprert the peculiarity of is taken from the it on my memory Acts of the Apostles, and describes sick people were Iaid on beds and couche least, "the shadow of Peter passing
might overshadow some of them." might overshadow some of thas." Sick
people were also brought from othe peacte.
places.
one."
along. along, eager to help Apostle walked
altho who wer
liseased in body ways know body or soul, he could not al ing. It was silently helping in the good work, without his knowledge. to not true that we are all in the sam
way unintentionally influencing for goo he people wo only see occasionally even others whom we never see at al can't help influencing people, whether we wish to or not. And, like the shado
a man's strongest influence is caused is real character. He may preach virtue practice what he preaches, his uncon scious influence must do harm. He can't Wishes to appear. No one ever knows hy what trifing word or action he may start another soul in a right or wrong
direction. It is not for nothing that kindness as the giving of a cup of cold water. It is wonderful how much we all appreciate some little thoughtful a but is the natural expression of a genu neighbors of friendliness. One of my near a friend of mine, who scarcely kno, h quiry, asking me to convey her pathy to the family. It was not much those who were enduring the cheered anxiety far more than a costly gift would have done, because it showed fel-ow-feeling and genuine friendlincess. The same friend often writes kindly notes extimes of both sorrow and rejoicing. Once
when the blinds were drawn down, and when the blinds were drawn down, and
the house was very still, because the the house was very still, because th written words were prized when a vis could have been almost an intrusion. ". It was only a kindly word,
And a word that was lightly spoken,

 ittue any of us an measure tho mighty
infuuneo of Iutio things. Some time ago



 ably thought they had no infuen or over
him.
But infuence works mysteriousy







 strong enough to drag him back from his
career of crime and plant his feet in the the
path of righteousness and happiness. The career of righteousness and happiness. The
path of
shadow of that happy home stretched
across across America and healed a soul, in
prison-in more senses than one. "The memory of a kindly word,
For long gone by,
The fragrance of a fading flower, Sent lovingly;
The glamg flowe $\begin{gathered}\text { geaming of a sudden smile, } \\ \text { Or sudden tear }\end{gathered}$ Or sudden tear,
The warmer pressure of the hand,
The word of cheer,
$\qquad$
We hush that means, ' 1.
But I have heard
The note that only bears a verse

## Such tiny things we

The givers deeming they have show
Scant sympathy;-
But when the heart is overwrought,
Oh ! who can tell
The power of such tiny things
It isn't usually the people who preach
at us most who succeed in making us try
$\qquad$ ing with all his might to be good is
sure to inspire others with the wish to
bo good be good too. We sometimes meet one of
these everyday saints on the street, and these everyday saints on the street, and
find ourselves going on our way with a new impulse towards the higher life stir
ring within us-healed by his shadow, al most unknown to ourselves and quite un-
known to him. Sometimes it is only a glimpse of a pictured face which sets us thinking and resolving. It may be the fect stranger, which speaks eloquently of
the noble soul within. It the noble soul within. It is said of the
Apostles Peter and John that even their enemies "took knowledge of them that
they had heen with Jesus," and no one they had been with Jesus, "and no one
can live constantly with Christ without The smallest actions may reveal charther, character behind it, that influences
people. people. A young man once folded his
hands in quiet, patient surrender of his greatest earthly ambition, and that slight
gesture has influenced many aouls gesture has influenced many souls. It
was not done for effect, but was quite unconscious, being the natural expression of his complete self-renunciation. God
accepted and greatly blessed that sacri fice. This is how it happened. Many years ago, two young men in Nuremberg
had set their hearts on being artists. They worked diligently for a long time. day, it was very plain that failure was Franz Knisstrin. Albrecht Durer's picthat wainted hy Franz was cold and life
less. It was life less. It was a great disappointment,
but he said, bravely: . Albrecht, the
good Lord fave me no such good Lord gave me no such gift as this
of yours, but something, some homely o do." Albrecht seized his pencil. and, telling
his astonished friend not to move, madd his astonished friend not to move, mads
ho rapid skech of the hands so patienty
folded together.
Iranz
was
wore

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| :---: |
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| that his unconsciout geatur |
| :---: |
|  |  |
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houghts we would, in allhave them ever of light, and happiness,and beautirul things; yet in this world
there are so many sad phases of lifethat we must, if we would do our dif
sometimes even perforce turn aside from
the brightness to those things which can fluence, and yet, in one way, we can
The surest way of healing, insteadto God. He can, if He will, use oued hands." While we are thinking athe great. While we are thinking of of this column who has not, at someif we only had a chance, other phoople areunconsciously currying out God's plansGotas mays are not our ways: wo
nay
King,
Wherein tribes yet unborn may worship

He sets His crown."
Current Events.
The Ingle Nook.
anly fill us with sadness. Among the
anly fill us with sadness. Among the
the subject of tuberculosme, lost a relative or friend by renseof this dread disense, which carries off,on an average, one out of every seven
the human race. Sometimes it is thetrong one who is stricken down; butore often it is the weak, or the strongwhom a temporary weakness makes
vinerable. A few weeks ago a man waound lying in one of the parks in thisthe hospitals, and a few days laterpassed away. His death was due to ex-
looked consumptive." That explained
the inability toa little exposure, which wourd have
meant probably nothing at all to the
hardy.
And yet the medical authoritiesworld over tell us that this disease, it
taken in time, is not incurable. There
is a woman in then
is a woman in this city who had become
emaciated from it, but who threw it
from her, and is to-day who threw
well as anyone need be.
"fought for her struggle, however, she
rest, nourishing food, Realizing what
air mean in the shine and parair mean in the conflict against tuber
culosis, she made all of the mate
possession, retainingThe population of Toronto, accord-
ing to recent statistics, now amounts
the services of a skilled physician to keep
time and
her progress. Part of her time she
The Government has approved of
plans which, when carried out, will
make Toronto Harbor the best andhouse, built especially for her, where it
spent many hours every day, even
A writ has been issued by the On-
tario Bank against the former presi- veranda, swathed from head to foot in
ages for negligence to recover dam-eariums of having patients sit in shel-
to a number of New York instituhave often wondered if peonle, on
whole, realize how absolutely necestaving off of consumption. Pure air
rom the outside, night and day, summerwork and a nith an avoidance of over-
ggs, meat, bread, fruit and vegetables-
hese are thehese are the best specifics against this
insidious plague. Perhaps some of usan remember when " night air " was
ansidered ",nsidered " bad," and bedroom windows
ere kent tightywere kept tightly closed, the sleeper
breathing and rebreathing the vitietair of the interior all the night through.
Possibly, many adhere to this custom
Possibly, many adhere to this custom
yet, and then wonder why they feelhey are so subject to coldgs, or why
another which should. I think (along
preached the country over, it is the
necessity of breathing, at all times, pure
air. It is not necessary to suffer from
cold thronch
into a bedroom all night long. Let theyou are undressing, as you choose while
get into bust before youget into undressing, but just before you draw your window down a
little, possilly but on
ocean liner with an eloctrical a newsystem which, it is calculated, will
Another French troopship has beendespatched to Morovco, in conse
quence of a serious repulse of theof Raisulii's followers who have destated him and come to Tangiers,
terierence, he will kill Kaid MacLean
The unrest in India manifested it-
sation of business throughout thegalis, who thereby pledged them-
celves toIn. the recernt International Ralloon

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| :---: | :---: |

About the House.

## SMALL ECONOMIES

## ECONOMY OF TIME

 . Small Economies," series of articles on subject " Economy of Time," perhaps the most important of all. We have allheard of the wonders accomplished by those who made use of every moment,
of Elihu Burritt, for example, who taught himself eleven languages by studying on the way to and from his blacksmith shop; of Lord Avebury (Sir John Lubbock), who keeps a book continually in his pocket that he may read even during an occasional five minutes while waiting for a train; of many others who
have written books or solved problems have written books or solved problems
during just such odds and ends of time Most assuredly such economy of time is extent; the tendency of all too mand extent; the tendency of all too many
people is to take no account whatever of the odd flying minutes, and to dream or dawdle away precious hours that ulay is not so long at best that any of it us repeat again that qualification "to a judicious extent
 so imbued with the idea women who were time that they worked, worked worling no continually, keeping the house specklessly clean, taking care that the sheets were
hemstitched, and the towels initialled, and underclothing elaborately trimmed, and the stockings and tea towels ironed,
otc., etc.-can't you imagine all the rest ?-but who were, as a rule, so over-
worked as to be continually tired. It seems to me that this was not making
the best use of time. These women werre the best use of time. These women were
housekeepers, not homemakers. Had they
heen conten been contented $t$ once in a while, to be clean, yet not
finically so, they might have had time to be healthy instead of perennially weary-
which is only a species of illness which, in time, is likely to lead to nervous,
collapse; and with health would have come good spirits and that brightness
and geniality which means more to the home than neatness to a dot presided
over by a creature whose chief attribute is irritability, and whose every idea is
connected with mere housekeeping. The best homemaker is surely a good houseslaves her. She must be mentally alert,
knowing something of what is going on in the world, and having time to enjoy
the beautiful things about her, or to engage a little in social life. She must
be, to some extent at least. and to a great extent broadminded, takto know the values which should be
daced on things to
recognize those paced on things-to recognize those
things which really . . matter,", and those
 she has a time for housework, a time for
mental work, a time for social obliga
tions. tions, and a time for absolute rest. It which there are all the smaller things is not wasting time to lie on one's back,
doing absolutely nothing, when one is tired. "A change is as good as a
rest" is an old adage, but it is not al-
ways true. When one is bodily tired, one is incapable of hard mental work.
When one has finished a heavy washing, should be guided by reason, not by
adage, in these things. 1'ossibly the mania for actively occupy-
ing every moment is even more likely to ing every moment is even more likely to
entangle the student. I remember in old
collegiate days two students in particucollegiate days two students in particu-
lar, a young man and a girl, who were lar, a young man and a girl, who were
especially kiven over th this fallacy,
ond Both studied late at night and were at
their books again early in the morning,
 Once myself I tried this ultra-strenuous
life-for about a week. It was in my
more verdant days, and I had been read ing .. Auguasta Evans Wilson." Those
marvellous girls ${ }^{\text {Evan't }}$, you remember marvellous girls-don't you remember
them, Beulah and the rest ?-who used
to sit up studying all night long, night to sit up studying all night long, night
after night, delving into the classics,
study studying the Talmul, and sagas, the
sages of Buddhism, and heaven know sages of Buddhism, and heaven know
what not, then turn out for breakfast
in the morning as fresh in the morning as fresh as daisies, not girls, and only eighteen at that ! No wonder they inspired me so that I de
termined to do likewise. The experiment left me, needless to say, more practical
if somewhat disappointed. that girls are, after all, made up of goodly portion of flesh and blood, and that fact I have tried to keep in mind
ever since. ever since.
Economy of time does not, in short,
mean occupying every moment $\begin{aligned} & \text { with }\end{aligned}$ strenuous labor; it means making the best use of time, and this problem each
must study out for herself, adapting her must study out for herself, adapting her
own time to her own needs. For the housewife it often involves doing the
regular housework in the quickest, easiest vet most effectual way, so as to save ooth time and energy for other things.
If you are a housewife, study this questhin. Think out more direct ways of
Find dis out ores doing things. Find out how your
friends do them, and if any of them have a better plan than yours, adopt it. If your house is inconvenient, study how it may be improved by a little changing.
The thinking about it will, at least, inThe thinking about it will, at least, in-
terest you, and may result in the saving of thousands of weary steps and back-
aches. Keep alert aches. Keep alert. Keep on the wack-
in papers and magazines for labor-savin, in papers and magazines for labor-saving
hints and paste them in a book so that you may not forget them. Abok so that
things, if vou can all things, if you can afrom them at all,
have plenty of kitchen utensils, enough have plenty of kitchen utensils, enough
pots and pans to save your temper, be-
sides the many pots and pans to save your temper, be
sides the many other things that may help so much to lighten your work-the er, ironing-board and sleeve board, com-
plete set of light-weight tubs, comes hurse, meat-chopper, bread-mixer, selfwringing mop, etc., which are to yo
what a binder, mower and hay-fork to your husband. Use paint everywher not be sparing of of oilcloth and linoleum These are much more easily cleaned than
bare boards, and it is better to have
them, even them, even if you have to curtail some-
thing from the drawing-room. If you can afford it, by all means have
a baking cabinet, one of, the new kind a baking cabinet, one of the new kind
with the flour sifter at the bottom of the
footr-box; and also flotr-box; and, also, if you can afford it
at all, supply yourself, before weather comes again, with a blue-flame coal-oil stove, which is quite as con-
venient as a gas stove-no dirt, no ashes no kindling. A very excellent make of these stoves will be advertised in The
Farmer's Advocate," we hope, during the
latter part of the winter using one of them now. the A frgest kind,
with three burners heated by a furnace, she intends using her onk stove and winter for cooking and
haking, her range. She
says her oil stove, if directions are fol10wed is absolutely safe, and that with
care she can run it nicely on a gallon of
coal oil per week. For wash-days, she aundry.
Then Which may be bought for so little
money, but which mean so much in
economy economy of strength and ${ }^{\text {so }}$ much in
time the
colanders, and
toasters, beaters, etc., and the packages of amg-
monia, borax, and Tutch cleanser, which
make make five minutes of a half-hour's job
when cleaning has to be done. Surely few need he without these.
Just one word more, if you are building a house, plan it. it iAN IT so as to
have it as convenient as it can be made. Nothing else means so much to economy of
time the saving of time so that whit the housework is perfectly accomplishedl.
time may be left for rest and for do. velopment of the mental and sociar qual-
$\qquad$
the farmer's advocate FASHIONS.


The Young People's
Department.
HALLOWE'EN, AND SUPERSTITIONS IN GENERAL.

## By Mr. J. L. Gilleland, Ayton, Ontario.

 portant pa portant part in the social life of theold farm. No one was entirely free
trom a belief in them. trom a belief in them. Some would esent the mild impeachment of being ward spilt salt, two spoons in th cup, or the cat's toilet, furnished the proof of their guilt. The farmer was
anxious as to the future in store for anxious as to the future in store for
him. The lover wished to know how an incipient courtship would prosper He was not so confident in this, his
second essay, since his calf-love had second essay, since his calf-love had
come to grief. On the one night in the year when all the saints were free to walk the earth, it was no wonder that distrait lovers ventured
abroad to learn their fate. The serious form of communion with the
aints has unfortunately degenerated nto the pranks of mischievous boys, who hide gates, plows and barn But one remnant of the
neient faith and practice which we would not willingly forget lingered fown the years and made a feature of the life on the old farm-the Hal-
lowe'en party, with tus games and lowe en party, with its games and
magic, held indoors around the roarA number of young people were innterf to take part in the fun. The oys helped in the preparation for the occasion by getting a large
pumpkin and turning it into a Jack-
o-lantern. The soft pulp and seeds were taken out, and holes and to reds
resent eyes. nostrils, and a hideous resent eyes, nostrils, and a hideous
mouth, with big. jagged teeth. A lighted cand" was ulaced inside and
the strange lantern fixed on the gatepost, pretending to scare the young
peopple as they gathered in the evenpeople as they gathered in the even-
ing. Stores of popcorn, beechnuts. hazelnuts, butternuts and hickorymenced. Stones and hammers were menced. for breaking the nuts. were
trick was to get the kernel out the flames, and kept the fire roaring.
all the while. love-tests were being made. Two nuts were placed in the two lovers. If they burned quictly, leap away, the enuts would explode and leap away, the engagement would be
broken off, or the course of true love would not run smooth.
The apple-peeling test was always the cause of a great deal of merri-
ment. Some of the girls would take an apple and carefully pare it with a
knife so that the peeling would be in one continuous seeling would be without a
break. The peeling was swung about 4137. - Teddy Bear and Rag Doll, size
14 and 18 inches. A suggestion for the head three times, and this rhyme

Apple, I pare and swing to know.
Whom I soon shall marry
Whom I soon shall marry.
From my hand I now thee throw.
Myytic
When the three circles about the head were completed, the peeling was uropped hechind on the floor, and the
initial letter it formed indicated the first lefter of the future husband's
surname. If the pectine broke when it fell, it meant that the poor girl maid. When the initial an old maid. When the initial was ex-
amined, the name of some crusty
old bachelor was sure to be menold hachelor was sure to be men-
tioned to have more sport, or, if her
voung man were present, then a roung man were present, then a

$\qquad$
dirty water :- The victim was blind-
folded and led in his linger. It he dipped his finger a circle was formed about gata into the empty cup he would remmer ing hearth to try who could tell th
a bachelor all his days.
mis ortunate in hitling the clean watere one of the stories that was told r
he would live happy plunged his fer finger intor. But if widow. be his misfortune to marry the poor fellow who got his ling
into the ink. The test that required most ner
was that of pulling the cabbag
stalks, and stalks, and for this reason it was
to be depended uipo cided to make upon. Those who de
where thial were show where the old stumps of cabbage
stood in the garden. One was the stood in the garden. One was the
blindfolded and sent out blindfolded and sent out to grope fo
a stalk. The first one the hand
touched touched must be pulled up and
brought in. The size and apmenr ance of the stalk foretold what the tall, straight stalk meant a handsome mate, but if it were crooked the
fates decreed that the other fates decreed that the other half
would be ugly. Much earth clinging to the root meant riches in marriage
If the stem were holinging If the stem were hollow or rotten,
then the wife would be a cross-
grained woman. grained woman. This cabbage-
stalk hunting was always made the stalk hunting was always made the stretched across the yard to give was
fellow a tumble. fellow a tumble, if a man tried
it; but if a girl made the trial, one of the boys was sure to be waiting
in the patch to cause a scare made the hunt came back in a dread ful hurry, and often very pale or tumble. As the evening advanced that waxed furious. To help it on, some
one would propose another game
and a pan of water and a pan of water was brought in
and set on the table. floating a number of apples without stems. These had to be fished for
and lifted out with the teeth. As soon as touched, they would go down would try to bite and hold the bobbing apples. If the girls wished to
get even with any one of the young get even with any one of the young
men, as soon as he stooped to catch the apple, down his head would be
pushed, souse to the bottom of the pan. This was usually the of the
piew when the bobbing apples were Another amusing trick was usually played on one who had never seen it
before. We called it "" being mesmerized." A boy would be mesmer best. Two shaucers were brought in both containing clear water, but the bottom of one had been previously
blackened by holding it candle flame. This blackened saucer was given to the willing victim, who
was told to do whatever the other was told to do whatever the other
person did who held the second saucer, and not to look at anything
but the operator's face. The opera-
tor would dip the tip. Thinto the water, rub it on the bot finger of the saucer, and then draw his tim did the same, and as theor vicwas repeated over and over black Fines were thickly added to his face, First a line on the nose, then a
streak across the cheek, followed by a cross on the forehead and a daub made his victim look like a wild Indian painted for a war-dance, a that the marked man could see so picture of the one he loved best. He did not recognize it for a minute,
thinking his loved one a "nigger," but he was not long in rushing to If a young woman were anxious to
see the face of her future husband, and po into room hy hercelf apple minutes before the clock struck midnight. She must eat the apple in front of the glass, watching her re-
flection all the while. Just as the apple was ahout finished, the face ofapple was ahout finished, the facc
the man to he her fate would he sa


This", 1900 Junior Washor
$\qquad$
Mgr. of 1800 washer Co.
355 Yonge Bt., Torhation


This brand-on a bag or barrel-is the mark of a BLENDED FLOUR of Ontario Fall Wheat and Manitoba Spring Wheat, milled by the best millers in Ontario.

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ook for the above brand wherever you buy.

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"My little girls love to run to the store for Miamond Dyes when I require them.
Your dyes are a positive pleasure to use Your dyes are a positive pleasure to use
for home coloring, as they are so easy to - tesuits are sure and

Mrs. Edward Hood, Vancouver, B.C. Notwithstanding the vercict of the
world's most eminent olor chemists, that
it isimposcibile it is impossible to color. Wool and Silk, (ani-
mal materials) and Cotton, Linen, and mal materials) and Cotton, Linen, and combinations of Cotton and Linen (vege-
table materials) with the same dye, we
still find manufacturers of weak and dulterated package dyes putting up and ffering for sale their worthless dy (s which they cla
one dye.
WARNING. The ladies will protect themselves from serious losses if they avoid all merchant. who offer to sell such
weak and crude dyes. In every case ask weak and crude dyes. In every case ask
for Diamond Dyes, and see that each package bears the words "Diamond Package Dyes." The manufacturers of nection with any other brand of djes. Send us your full address and we will mail you free of cost New Teddy-Bear
Booklet, New Direction Book and 50 tamples of dyed cloth.
WELLS \& RICHARDSON Co., LIMTTED montreal, p. $\mathbf{Q}$.

## A SCLLP NOURIIMER.


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Halp Rejuvenator haded hair to ite orkinnel oolor in ten days and cont-ins no injurious ingrediente. Price
Superfluous Hair, moLEEs. ote permanently eradioated by our method Sond 10 onts for booklet " $\mathbb{F}$ " and sample
HISCOTT DERMATOLOGICAL Fantrer Grabim) Nemitute



LADIES Ood Hyan mor fond




 $\$ 12$ a omain s fal : uits $\$ 6.50$

very one present in ow, and started die. $\begin{aligned} & \text { There were always sure to be } \\ & \text { stories of the haunted house. }\end{aligned}$. stories of the haunted house. How
a door was locked upstairs and the a door was locked upstairs and the
key placed in the pocket, but when the holder of the key came down, the
same 'key that he thought secure in his pocket would come. tumbling downstairs after him. The owner of
the house was a worker in the "black art." If a fariner lost a sheep, or hog, and went to this
inagician and paid him well, the fellow would tell him where to find his Unfortu
fid not stop at Hallowe'en, but fol-
lowed the lowed the boy throughout the whole
year, and influenced many year, and influenced many of his
actions. When the boy was at play,
he, too, wanted fouture, would be, and, to learn it, he would take an ox-eye daisy and pull
away the leaves, one by one, repeat ing the to leaves, one by one, repeat-
ing roped dropped for each word. Over and
over he would repeat the jingle, till only one leaf was left. If the las
leaf corresponded lingle, th leai corresponded
then a
life. He was often would be all his could not always come out the same: Rich man, poor man, beggar man,
thief,
$\qquad$
If, in playing, the boy lost a copaway another copper towards the place where he thought he had
dropped the first.
He would find the two together. Sometimes, t
his sorrow, he found neither. If, in running about on the way t school, the boy "took" a pain in
his side, he would stop at the first
stone he came Have he came to and pit on the under side, up.
would replace it in the same positio would replace it in the same position
as before. This proved a sure cure
for the pain. No doubt stooping that effected the cure. Some
boys had another remedy that worked as well. They would bend over as
far as possible and take nine steps while in that position. It must be
nine exactly. On straightening
themselves up, the pain would be gone. may laugh at these supersti tious practices of a bygone day, but
before he does so let him examine
himself well to see if he has not some still clinging to himself. It is not
ignorant people ignorant people only who are guilty,
not by any means. Witness the prevalence of spiritism and astrology The self-styled cultured man may laugh at another for carrying a
charm against rheumatism in the
shape of a horsechosinut Shape of a horse-chestnut, while he
himself is wearing an electric belt or
einctic is electric insoles for the same trouble,
which is no doubt just as effective
thentment reatment as the horse-chestnut.
Every man wears his superstition next to his skin, or just below it.
The belief in spells and omens The belief in spells and omens is, no doubt, what remains of the early
crude religion that sought to dis-
cover and pronitiate the unknown power that ruled. It has now be
come an effort to get a peep into the
unseen, to learn what to morrow has
in store of joy or sorrow. Is anyone more manly for trying to peep
through the kevhole? Would he be
any better any better off if he got such a vision
as he longed for? If the revelation
were of com were of coming trouble, he would dis
believe it as being pure imagination
or the thought of the trouble aho or the thought of the trouble ahead
would drive him to suicide. If the self-improvement and growth Would
be paralyzed. He would say. "It is comina, anyway, so why need T exert
myself?" The more of magic in life. he less of true religion.
$\begin{aligned} & \text { Mrs, whonper.-Youn tell me, Herr } \\ & \text { Vorelschnitzel }\end{aligned}$ that



Carmichael. BY ANISON NORT H .
 cuaine that oo transiation
foreich languafos. Inoludin
the scandinavian

CHAPTER III.-Continued. But it is so easy for us to forge hood. Looking at liie from the eyes of maturity, we never stop to
 the hillocks
which appear
to us are the
Himalayas of


## Stanfield's <br> Unsturinkable Underwear

## for Women

is a luxury, as well as a winter necessity.
It holds its shape with unwrinkled grace - and always fits perfectly because it is absolutely unshrinkable.
Stanfield's Underwear comes in 3 winter weights -and all sizes from 22
to 70 inch bust measure.
At all dealer's.
146
THE JACKSON SANATORIUM
SOHOOL FOR NURSES






$\qquad$
 Norai i b it the of the stoop and won done, at the end
smoothing with sand waigh was busy smoothing with sandpaper a new axe
handle that he had made. not know that I had been herying. It's going to be a very had sou thrm ?
It was my usual question when handerstom, was. aprox oxing anal



FERTILIZERS
是




I suppose I
was not long when I left it the green light had not all departed from the fields and the
hills, but it seemed to me hours and hours in which I knelt there watch-
ing my father and Carmichael, with the cloud from the south-west all shot intermittently with the quick
tremulous glow of lightning, ever rising above their heads, and the
iow mutter of the thunder growing every moment more distinct. ${ }^{\text {I re- }}$
member, too, the sickening dread which overwhelmed me lest my eft off their quarrelling before
had come very close. Had not Eli Jah called down fire from Heaven to
onvince wicked men? And could an of those men of the olden time have
keen more wicked than this Carmichael, whose blasphemous Chere was now no prophet to call
down fire from the skies or bears
from the wood but might lightning be fust a more modern and ishment on occasion? It was com-
forting, at least, to think that my father had never used such wicke
language, and that consequently stood a good chance of escape: bu
then, poor Dick! Was not Henr: Carmichael his father? And at the
thought of how Dick would his father was brought in all black ened and burned by the lightning,
my tears flowed afresh. At last, unable to bear th
cuspense longer. I left uspense longer, I left my post by ". Why, dash it. little mirl,", he
said. "cryin' were ye? Why, no,
think it's, groin' to pass right hy to


THE FARMER'S ADVOCATE


Dec. 9th to 13th, 1907
poi phain hilat, exo., apply to

TELEGRAPHY
Ror nuy nad aimad piti


CONSUMPTION Boole Froel II you know of any one onforing from doon

 POULTRY
COAGS OUT




 PLEASE MENTIOM THIS PAPER WHEN WRITING ADVERTISERS

## Steel HIog Troungha <br>  <br>   <br> Tho Stocl Trough and Machino Cor, Limited, Tweed, Oniario,

## Eastern Dairy School

Kingston, Ont.
Regular courses begin immediately after New Year's.
School will operate as a oreamery Sohool will opera
during December.
TUIT
For calendar giving fall particulara
regarding the courses wri
J. W, Witchell, Supt., Kingston, Ont.


## (c)










 Woovine: Lonaban, ont





GOSSIP H. S. McDiarmid, of Fingal, Ont., re
ports Yorkshire business fairly good, d ports Yorkshire business fairly good, de-
spite the ruling high prices of feed Thirough his advertisement in "The Farmer's Advocate," he is finding a mar
ket in various parts of the Dominion, and his customers invariably express satisfac tion. The Maple Grove herd is bein
einforced from time to time einforce
lections ections of
promising promising
Roger 4 th inner, comich bids fair summer Hi acon conformation with length and asculine character. All the young sows asculine character. All the young sows
re being bred to him. Present offer

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| $\begin{aligned} & \text { A few notes on these horses, by } \\ & \text { ber of our staff who had the plea } \\ & \text { examining them, will be found } \\ & \mathbf{1 6 1 5} \text { of "The Farmer's Advocat } \end{aligned}$ |  |  |
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| 21298 Bessy Croomeenviable English show-y |  |  |
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| DALGETY'S CLYDFSDALE SALF. An attractive auction sale of impor |  |  |
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 situt in this paper of two specially well
sarms for sale in Alberta and
Saskatchewan.

solution of arsenic twice daily every al
ernate week as long as necessary times daily with a solution of 20 grains of corrosive sublimate in a pint of LAME COW
About two weeks ago our cow went Tame, and has been getting worse wever tince. Her thigh is swollen to thice
times the normal size, but does Her hips seem
to be shrinking to paway. Ans.-This is either a fracture or the formation of a large a bscess. I I am in-
clined to the opinion that ait is a fand clined to the opinion that ait is a frac-
ture. It would be well to call your Veterinarian in, and if pus be call your Will open the abscess. If it be a fraca troteling defeated Sweet Mnrie aure, all that you can do is to keep her $\$ 2,500$, at the Hudson River Driving box stall, and bathe the parts frequently Park, winning two out of three heats. with hot water, and, after bathing, rub The race was the three fastest heats ever


JUDGES AT THE international. | 1. Six-year-old horse is very un- |
| :---: |
| thrifty, and has been so for more than | Following are some of the livestock a year. He was fed por hay hast win-

judges named for the Chicago Interna- ter. His teeth are all right, and he has tional Exposition, Nov. 30th to Dec. 7th. no worms. He is very hard to physic.
Clydesdales-Prof. W. B. Richards, Fargo,
2. Is it wise to feed boiled oats and N. D.; Andrew McFarland, Palo, Iowa; bran ?
John Dickson, LaFayette, Ind. Shires-
3. Would a little flaxseed, boiled with P. Myers, Herbert, Ill.; W. F. the oats, give good results?
Pritchard, Ottawa, Ill.; Prof. G. C. A. Do you advise the use of stock
Humphrey, Madison, Wis. Hackneys-Hy, foods?
 Middletown, Ky.; Capt. T. E. Robson, Ans.-1. Take three ounces each of sul-
 Ill. Herefords-John Robbins, Horace, night and morning. After the last has A. Stannard, Emporia, Kansas, Gal. drams aloes and two drams ginger.
loway-Marion Parr, Harriston, Ill. Feed hran onl, for twenty-four hours
Grades and crosses and champion steers-
 Shep (breeding and fat classes), $\begin{aligned} & \text { gives good results with idle horses; but } \\ & \text { he should get a dry feed at least once }\end{aligned}$
Shropshires-cieo. Allen, Lexington, Ky: daily.


> Miscellaneous

SHINGLES TO THE SQUARE. squares in a roop. 2. How many thousand shingles re-
quired for roof, from four to five inches Ans.-1, A "s square" is a space of
no square fect, or ten feet each side. 2. The rule for finding the number of
shingles is as follows: Find the number of square feet in the rool by multiplying
the length and width of one side together. Double this, and ruiltiply the number of shingles, laid about four and

LEGHORNS VS. WYANDOTTES SINGLE-COMB VS. ROSE-

1. Which would be the best, a good
laying stran of Leghorns or Wyan-
dottes dottes? Would the Leghorns make up in
cggs what the Wyandotte would make up in eggs and marketed chickens?
2. Which is the best for poultry on a
farm farm, the Single-comb Ieghorns or the
Rose-comb? Ans- -1 . This is a matter Mor differ-
ence of opinion, and the best data that could be supplied to thelp our data tha tual statemonts of receipts and profits
from fanciurs of these and other breeds.
Sommethiniter Something will depend upon local market
facilities. The Leghorns nre axcallent
in dam, bred ay Noels, of England, win-


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ThE EIBHTH AMNUAL IMTERMATIONAL LIVE STOCK EXPOSITION UNION sTOCK-YERDS, Nov. зo то dec. 7, 190\%.








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GOOD BLOOD wits show SO WILL BAD BLOOD.

The one in a healthy body and ruddy complexion, the other in ill-bealth, blotches, pimplos, boile and nores, and frequently in intenser forms as ulce abscesess, erysipelas, salt rboum, etc. the blood for force and vitality, and in but scantily served when the blood in impuro. No remedy is 00 putent as a blood purifier or more rapidly produose now and hoalthy blood than

## BURDOCK <br> BLOOD

BITTERS
which neutralizes the various poisons and restores the vitalising power of this all For mole by
ar calo by all drugrieta and doalora

## YOUR LUNGS



ARE THEY WEAK OR PAIMFUL? Do you spit yollow and black matter?
Are you continually coughing end
Do you have night sweats?
Do your lungs ever bloed?
Have you pains in chest and sides?
Do you have pains under your chouder bleces
THESE ARE RFGARDED BYMP-
TOMS OF LUNG TROUBL
CONSUMPTION

We Stand Roady To Prove To You





 Horis Is Evidino From No Caso



You Pay No Duty Lung-Aermine Go. 40 Rae Blk., Jaokson, mleh EWHEN YOU CHURN
 well.s.s. RICHARDSON \& Co's


QUESTIONS AND ANSWERS
Miscellaneou

MORTGAGING INFANTS INTERESTS
A dies, and leaves his life insurance
d personal property to his widow, and farm as long as she remains unmarried.
Should she get married it beemes property of the children. Can she mortgage the farm for the support of tho
chidren?
AN OLD SUBSCRIBER.
 still under the age of twenty-one years,
she could, without the sanction of the
High Court of Justice, mortgage only her High Court of Justice, mortgage only her
own interest in the lands. To arrange a valn iuterest in the lands. To arrange a
valid mortgage of the children's interests as well as her own, an application
to the Court would the official Guardian of in infants would
have to me censer SWAMP MUCK TO IMPROVE SOIL-FIELD STONES would tell me if black swamp muck is
any value to it. any value to it. If so, to what extent
that is, as a manure is the soil very
much impoverished ? 2. Could you give me any information
as to were as to were I could find a good marke
for farm stones that have been taken
off the Ans. -1 . The sample forwarded is a
light, sandy loam, which, judging from light, sandy loam, which, judging from
appearance, probably stands in need of
enrichment, especially in vegetable enrichment, especially in vegetable mat-
ter. The addition of humus-forming ma-
terin) ter. The addition of humus-forming ma-
terial would, I Ieel sure, prove helpful
chielly by increasing chiefy by increasing its water-holding
capacity. Good swamp or black muck is
essentially vegetabian essentially vegetable matter, and, hence,
is valuable for improving soils in this
eespect; but, as a rule, it is better to compost it before application, in order that any natural acidity may be cor-
rected. The addition to the composting muck of a small quantity of limes. or,
better still, wood ashes, is to be recom mended for that purpose. There are,
however, some muck deposits so very slightly acid and so well decomposed that
the material may be applied direct from
he swamp She swamp to the field without any in-
jury resulting to the soil. The writer
would consider 20 to 30 loads a mini-


## 2. Field stones are so abundant, and

 possibility of finding a market for them. POLLENIZATION OF FRUIT Would you kindly tell me what kinds
 Ans.- The study of pollenization, with
reference to the setting of fruit in the
various classes of fruits, is more or less
of a new one, and has not yet been given sufficient one, and has not yet been given
attion to enable us to speak definitely with regard to all kinds of
varieties of fruits. However, it is gener-
ally known that numerous varieties of
$\qquad$

1. Calf, out on grass and given d
oats once daily, has diarrhea,
2. Give treatment for diarrhea
3. Is dry oats or provender better
calves ? dry oats or provender better for
J. K. A.
on dry hay and chopped oats. Giv
purgative of eight ounces raw linseed oil
drams laudanum and two drams each of
catechu and prepared chalk in a pint
new milk, and repeat the dose every fout
milk or water it drinks one-quarter
its bulk of lime water.
4. As described in answer to question
5. I do not know what you mean by
provender. Good hay, a little chop
provender. Good hay, a little choppe
oats and ban, with a few roots, give
good results. Of course, a liberal sup
oats and bran, with a few roots, give
good results. of course, a liberal sup
ply of milk cannot be equalled.

## GOSSIP



Iceland, Welsh and Shetland Ponlos hion for sale,
One ploble shotiand mare, 5 yeara old, bred:
Pair of bly and white

 E. DYWENT, Copetown, Ont , Wentworth Ca.

## Imported Clydesdales



Geo. G. Stewart, Howlok, Que. Imp. Clydestalo Fillios !


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ind
Nee them.


C-YDESDALES ANO SMORTHORNS-

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OCTOBER
QUESTIONS AND ANSWERS Miscellaneous. A DELAYED APPLE-PICKING

THE FARMER'S ADVOCATE Right to wages. $=\frac{1}{2}=6$

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To be sold by Public Auction at the FRASER HOUSE,
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\text { At } 1.30 \mathrm{p} . \mathrm{m} .
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Sixteen extra choice imported Clydesdale mares and fillies, several ot, whith are bred to noted horses. This is an essentially high-class lot, with abundance of size and quality and very richly bred. A ver imported $\Delta$ show landed will be on exhibition for sale. Address all correspondes just

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 simity a nicumbosor, colunusus, ontrano.
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 GRAMAM G RENFREW, BEDFORD PARK, ONT. Largest Impontation of Clydesdales, Hackneys and Perohemons of the Yeap.





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 BRANTFORD, ONT. Hook


Imp. Clydesdales (Stallions and Fillies), Hackneys, Welsh Ponies.



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SIMCOE LODGE CLYDESDALES


## "Brick’s Tasteless"

REGISTERED
is an extract of tresh cod livers, containing all the virtues of fresh cod liver oil without the nauseous grease, the compound syrup of hypophosphites, nutritious extract of malt and the fluid extract of wild cherry bark.
purifies the blood.
IT
makes the weak strong.
is a specific in sore throat and lung diseases
is so prepared that it can be assimilated without the least digestive effort.
is sold under the positive guarantee that a decided improve ment will be felt after taking one bottle, or your money will be refunded by the druggist from whom you purchased it. Can we be fairer?

Two Sizes -8 ounce bottle 50c; 20 ounce bottle $\$ 1.00$

exper don't pay a cent extra for the 56 years? experience that goes into Tudhope Sleighs. You don't pay a cent extra for a dozen little
improvements that mean extra strenoth and service You payo only for what the BEST MATERIALS and WORKMANSEIP are worth. that has been lived ip to for sold with a guarantee TUDHOPE No. 67
This is en ell-roumd, serviceeble. sleig
road
$w$ an easy
 the tudhope carriage co., Ltd. orillia, ont ext

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Specilal Offering of Scotch SHORTHORN BULLS
Sjust past two
under one year old. The best lot we ever had to offer in individaality and breeding.
and prices are right. Catalogue. John Clanoy, Manajer.
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Cargill, Cargill, Ont.

## FLETCHER'S SHORTHORNS \& YORKSHIRES Greengill Herd of High - olass




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We offier for sale choice young bulle from 6 to
months old, git ed by imp. Lord Roseberry ale
cows and either imp. or COnadian-bread at foot or
R. MITCHELE \& SONS,
R. MITCHELL \& SONs,
Nelson $\mathbb{P}$. O., Ont., Burlington Jot. Sta

Shorthorns! BELMAR PARC.

John Douglas,
Manager
Peter White,
Calves for sale by our grand quartette
of breeding and show bulle: Nonpareil Archer, Imp. Proud Gitt, Imp. Marioodd Sailor. Nonpareil Eclipso. Females. Imported and from import-
od stoolk in oalf to theese bulls.

## - Buaget of Enghish New

 Fiditor " The Farmer's Advocate ' swing, with, upon the whole, satisfactor results. At the sale of blood stock during Doncaster Races, eleven yearlings, from Sir Tatton Sykes' stud, brought $\begin{array}{ll}15,050 & \text { guineas, an average of } 1,369\end{array}$ guineas was paid for a well-grown At the great Cheviot sales at Hawick, one breeder averaged over $£ 24$ for 30shearlings shearlings, one Mountain ram bringing
£90. Aberdeen-Angus sales have produced fairly-good prices, considering the lack
of demand for export. Col. Grant, of
aucher Auchorachan, averaged $£ 40$ for
Clydesdales
are
bringing
excellent frices at Perth with a keen demand. The last week has shown considerable inquiry for Cumberland and Lincoln
thorthorns, especially of Bates -horthorns, especially of Bates blood.
At an annual sale of bull calves from the Collynie herd of Mr. Duthie, on (Cct. 8th, an average of $£ 409 \mathrm{16s}$. was
made for 17 calves.
The Board of Agriculture Order ot The Board of Agriculture Order of
1894 dealing with glanders has been suc-
ceeded by a more thorough and ceeded by a more thorough and practical
order, and not before it was needed.
Since January 1 ber Since January 1st, 1,403 horses have
succumbed to this disease. Anthrax has
sloun slain 980 sheep, and fevor, 8,387 pigs. This has not been a good year for
horse breeders. Deaths have been many horse breeders. Deaths have been many
among the foals. There were 10,000
fewer fewer dropped.
There seems to be a fairly general feeling in Britain that the long agriculThal depression is at last passing away. as fall vacant. The Minister of Agricul-
ture, Lord Carrington, cure, Lord Carrington, tells us ugricul in
the past year the small holdings helong The past year the small holdings belong-
ing to the Crown have been rapidly ing to the Crown have been rapidly
taken up. $\begin{gathered}\text { Nearly 4,000 acres are now } \\ \text { occupied. }\end{gathered}$ In an optimistic speech, he deoccupied. In an optimistic speech, he de-
clares that: . In spite of croakers and clares that: "In spite of croakers and
prophets of evil, British agriculturists,
including the landlords,
 harvesting took place lately on the Lin-
colnshire farm of Messrs. Dennis Bros. colnshire farm of Messrs. Dennis Bros.
An acre of standing wheat was cut,
threshed and ground by the power of a
 and forty minutes. The machinery was
all of British manufacture, with the $\epsilon \mathrm{X}$ ception of two Massey-Harris binders.
For three weeks, practically no rain
has fallen, and excellent prouress has has fallen, and excellent progress has
been made in harvesting. Threshing is
in full swing in England, and in many cases a much greater yield is being ob-
tained than the estimates promised. In
Scotland and the North of Ireland the Scotland and the North of Ireland the
weather, while fine, has been lacking in
heat, and many of the oata are sint heat, and many of the oats are still
grren.
The average price of wheat for the first
half of September has been 31s. 8d. per half of September has been 31s. 8d. per
quarter, against 25 s . 10d. last year. The
highest quotation on the market (Sept.
20th) was for Manitoba. 41s per highest quotation on the market (Sept.
20th) was for Manitoba, 41s. per quar-
ter.
Wheat in Southern Russia is disap-
pointing in quantity $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ be largely due to the use of preserva-
tives, and the novel proposal is made
that surch butter should be taxed when
imported
cessions on such things as wines and ribFigures recently published show that
the British exodus to Conade with unabated force, and that more people from these shores go to Canad now than to that wonderful magnet, the
United States.
The September National Review has an
able article by Mr. C. F. Hamilton, in able article by Mr. C. F. Hamilton, in
which he discusses the supposed dislike he settling Englishman has to face in show the various proportions of English, Sotch, Triah native born in Can
Mr. Hamilton gives one pertinent cau tion on the clothing question: "Canadian opinion is intensely suspicious of the loth cap, Wear, I beseech a above all leggings. Wear, I beseech you, a soft
felt hat and trousers, and a good hall of your initiation troublos will bo

## GOSSIP

COLWILL'S SHORTHORNS AND TAMWORTHS.
cessor to Colwill Bewcastle, Ont., suc-
one of the owner of one of the oldest-stablished herds of
Tamworth swine in Canada in existence has taken a higher place at and leading Canadian shows than this, saying that the herd was never in in ter shape, nor contained more high-clwas than at the present time. The herd Choice, that years headed by Colwill's won the championship at Toronto rior, that, in his yearling Newcastle Warthe honors from his illustrious sire, and which went the much-coveted, will medal. From such noted sires as these we twenty-five brood sows now on hand Toronto-winning dams, and several of class aronto winners as well-a high-
Coupled witgation of brood sows Coupled with these now is the nowly
imported stock hog. Cholderton Coldor imported stock hog, Cholderton Golden
Secret, bred by H. C. Stephens. Cholder Secret, bred by H. C. Stephens, Cholder-
ton, Eng., sired by Rolleston Victor, dam
Cholderton Favorite Cholderton Favorite, three etimes champion
in Fngland. The result of this crose truly a drand one. Thesult of this cross is
now farrowed to sows have oxceptionally even, strong and smooth,
every one with the appearance making one of a futhe appearance of the
mate show animal. The
eldest are now two eldest are now two month animal. The
there are both sexes. All of which Others for sale saxes. All are for sale.
some bred do to the imported sows,
about reg, others about ready to breed. These are the get In boars for sale are several fit for
service; chaice representatives of the
breed. breed. Lately, Mr. Colwill has shipped
several to British Columbia, some to
Manitoba. Quebec, and a few to Maritime Provinces, The Shorthorns all belong to the Scotch yme and Lavender tribes, and are near-
ly ail the get of the $2,500-1 \mathrm{~b}$ Beatrice
bred bull, Brave Baron 2nd, hy Imp. Heir Appsarant; and the hurst, a son of Imp. Joy of Morning,
dam Imp. Diadem. The younger things,
up to a year old. are the A form value for butter of $£ 3.500,000$
A 1906 shows the steady increase in
victoria's dairy expansion.
in in 1906 shows the steady increase in s
Victoria's dairy expansion.
There sems reason to believe that th
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HUGH TMOMSON, st. Mary's, Shorthorns, Oxford Downs and Lincolns
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A. W. Smith, Maple Lodge, Ontario
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DOMINION LINSEED OIL CO., LYMITED Badon, ont.

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inge the themand or a machine at less
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Pure Scotch
Our herd is headed by Imp. Prime Favorit隹 Exhibition, at Toronto, and at the
 Sor one of our bull satalogues. A number of tomales in oall, or with oulf at foot ate for sale. Correspondence solicited. Visitora an amaies in oall, or with oulf at foot, ale

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> Maple
> Shorthorns \& Ehropshires One yearling Laventer bull for sale. Younger bulls
growing. All shearling rams and owes sold. Will sell
and tow good ram lambs.
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©EO. Allos \& 8 ON, Mollat Sta. \& P.O., C.P.B Farm 11 miles east of Oity of Guelph DOMINION
SHORTHORN HERDEOON WANTED.


Hionit to Potth, Sec.-Troms., Frooman. Ont KENWUOD S TOCK FARM sGORTHORNE
Offors for sale an 18-months-old Miss Ramsden
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 (over Lea stook Farm BCOTCH SHORTHORNS saperior brealing and individual orcollence,
For sale: Bulls and heifory-red end roang ome rrom imp sire and dam. Visitors met a H. REID. PINE RIVER. ONTARIO SCOTCH SHORTHORNS: We now offer four heifer calves 10 and 11 month
old All reds Bred from Imp sire and dame
IN


QUESTIONS AND ANSWERS
Veterinary.
BONE SPAVIN.
Mare, now seventeen years old, had a
spavin when three years old. I blisspavin when three years oia. no bris
terod it then, and she showed no symptoms of lameness until a year ago, when
the enlargement commenced to increase the enlargement commenced to increa
in size, and she is still going lame. Ans.-In aged animals, the prospects of
a cure of the lameness of are not bright. Get your veterinarian are not bright. Get your veterinarian
to fire and blister the hock. There is a rensonable probability of this effecting a
cure, and it is the only treatment to cure, and it is the only treatment an with reasonable chances of success. RINGBONE.
Three-year-old colt has a ringbone on
fore pastern, and is very lame. I have
hlistered it blistered it several times without results.
I do not want the hair destroyed. Ans.-As blistering has failed to effect
a cure, it will be neeessary to fore and
blister. blister. As it requires an expert $t$
operate, you will need to employ your vertrinarian. The operation will not
destroy the hair, but there will be some
small scars left. If this fails to effect a destroy the hair, but there will be some
small scars lift. II this fails to effect a
cure, the operation of neurotomy can be cure, the operation of neurotomy can the
performed. This consists in removing the
nerve supply of the part, and is nerve supply of the part, and is not ad-
visable nuless the animal is very lame and other methods of treatment to
HORSE'S LEGS SWELL Four-year-old colt had distemper in
July. Now all his legs and his sheath
swell when he stands in the stable; but July. Now all his legs and his sheath
swell when he stands in the stable; but
the swelling disappears on exercise. He the swelling disappears on exercise. H
eats well, but slavers a great deal wher
working.
W. J. A. work ing.
Ans.-Give him a purgative of eight
drams aloes and two drams ginger
Follow up with one dram iodide of drams aloes and two drams ginger
Follow up with one dram iodide o
potassium, twice daily. Hand rub and
beder bandage the legs, and give regular exer
cise. I would advise you to get you
veterinarian to dress his teeth, as they no doubt, cause the salivation. LEGS SWELL.
A colt, now three years old, has stock
ed in his hind legs, if allowed to stand for a few hours, ever'since he was two
years old. He has never been overfe or overworked. Ans.-There is a congenital predisposi
tion to swelling or stocking in the legs in this colt, and you will, in all prob-
ability, always have trouble with him, especially in the fall. Purge him with
eight drams aloes and two drams ginger
Follow Follow up with one dram iodide of
potassium twice daily. If this causes a
$\qquad$
$\qquad$ or light work, and hand-rub the legs fre
ore that
dently few hours each evening will tend to to
help the circulation and prevent the trouble. DEBILITY Mare, fifteen years old, docs not eat
enough. I had her teeth dressed, and gave her a purgative and turned her on grass.
She did well for a while, and then
seemed to he at a standstill. When commenced to work her, she began to
fail; does not eat enough, and cannot do
a roasonable amount of and Ans. - If a competent man dressed the
teeth, they are now doublless all right:
but if the man who operated does not

$\qquad$


Stoneycroft Aymshires. SEVENTY-FIVE (75) MEAD. Importited and importod-in-dam. botb sexes and all agees.
innere and obampions in sootland and Canada among them.
 anu Imp Yorksbires.

Bell'Phone oonnection.


#### Abstract

SPRINGBROOK AYREHIRES Produced 7,000 lbs. of mill each, testing $3.9 \%$ butter fat in 1905  Glenhurst Ayrshires Oldo hoshablishe and Canadian-bred. Averase B. F. teetio for the   Aypshine Bulls one last Septem  Wardend We rave only four spring bull  

\section*{STONEHOUSE AYRSHIRES <br>  $\left.\begin{array}{l}\text { number of imp.eows } \\ \text { nund heiffers winners } \\ \text { of hibh honors in }\end{array}\right)$ of hillh h honors in Booliand 8 Canada. fooviend sulanade froung bulis bred fromempionsand winnera themealved Yrom champlions and Winners themsives. Etrra chhico offering} HECTOR GORDON. Howick P O. \& Sta . Oueboc. AYRSHIRES Young bulls trom pre ducing  Hill stoolk Farm, KELSO S. F. AYRSHIRES  


## Burnside Ayrshires.

 MPORTED AND CANADIAN-BRED Winners at the loading shows of sotiland Canade, and U. 8 . sale at reasonabile pricees.
R. R. NESS, HOWICK, QUE., P. O. AND STATION,


 Maple Hill nolstain- Filesians

Bull oulven from No 1 dams, sired by
bolls with groat offlial backing.
Writ
G. W. Clemons, 8t. George. Ont

Lyndale Holsteins
 BROWN BROS, LYN. ONTARIO

 Imperial Holsteine Bull calves for salo.
W H. SImmons, Now Durham P O., Ont. Grove HIII Holsteln Herd
 F. R. MaLLORY, Frankford, On
 Holsteins and Ayrshires GEO. RICE, Tillsonburs, Ont.

|  <br> Ls made ap of Reoord of Merit oows andi hoifors | FaIRVIEW HERD is the plaoe to buy your <br> hext bill I can rarnieh you with a ball gired by bro herd bull. PONTIAC KORNDYKE, Who bas 19 dauphters in the las <br>  Dound at four yeare, and the whole number averaged over $41 \%$ fat. No other bull in the world has ever made such a showing in one Year. Thave just teated another of his dsughtora that made 28.40 pounds butter in seven dayy with becond calf. I have over 50 oows and heifers in call to him. Come and look my herd <br>  Prescotl |
| :---: | :---: |
| with larse rocorde and hoaded by Lord wayen Moohthilde Calamity. <br> ate monthe old for sale | RIVERSIDE HOLSTEINS |
| Walburn RIvers, Folden'e, Ont. |  |
| Beaver Creek Herd of Holeteins Fon 8at.E: A fow cows and five yearling heiftre, and some heifer calveg. AII bred from good milkers. | sired by Jobanna Rue 4uh's Lad and Sir Pietertje Posch DeBoer, We cse dam and sire's dam average in official test ' 5.87 lbs . sire's dam average in official test '5.87 lbs. butter in 7 days, and 87.6 1bs. milk 1 day. |
| Albert Mittlofohidt, Eloho. Ontario. | W. RICHARDSON. Caledonia, OnL |
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## 1

## A Grand Cure SUMMER COMPLAINT AND CRAMPS DR. FOWLER'S EXTRACT OF Wild Strawberry

It is naturo's specific for Diarrhoea, Dysentery, Cramps, Colic, Pain in the Stomach, Cholera Morbus, Cholera Infantum, See Sickness, Summer Complaint, etc.

Rapid and reliable in its action. Its effecta are marvellous, and it in pleasant and harmless to take.
It has been a hotsehold remedy for sixty-two years.

Refuse substitutes. They are dangerous.
Mrs. Wm. Flewelling, Arthur, Ont., writes: "I find it much pleasure to recommend Dr. Fowler's Extract or Wild Strawberry as a grand cure for Summer Complaint. My little boy, one year old, was very bad with it, and a fow doses cured him. I also used it on my other six children for cramps and still have half the bottle left. I cannot praiso it too much."


Cedar Lodge Yopkshimes 100 hoad brood, sows (imp.) and the
product of imp. stock. weighing from 500 to 800 lbe each. Broct wighng hrom 500
bires and demb, very large and full of

P. O. COLLINE, Bomenville P.O., Ont.

CHESTER WHITE SWINE nd SMROPSHIRE SHEEP. Right in anal. tof: right in price. Come and see, or apply by
efter to W. E WRIGHT. Gila worth. Ont.
In the delirium of buck fever he misAnd the colt, mortally stricken, sank looking with glazed eyes upon the mul-
titude of sympathetic
creatures that "Have you no last message for anyThereupon the moribund animal reared " Tell my sire," it said, in a loud, firm

QUESTIONS AND ANSWERS Miscellaneous.

RIVAL CLAIMANTS We then took e contract to cloan $\$ 5$ ten acres of land for C for $\$ 55$ and board, and I used my team of horses a the time drawing logs, for he did not
have any. Then $B$ bought another horse from me for $\$ 25$, and he was to pay me out of the clearing money, excep the $\$ 5$ I owed him; that left $\$ 20$. When
we were through, we could only get $\$ 25$ we were through, we could only get $\$ 25$
from C. B got it, but I was with him He gave me firteen. He kept $\$ 10$, an Wen he tried to get the balance from 0 and forbade C from giving me any mor him 812 , and I forbade C from giving and we were counting equal the horse ourselves and $\$ 10$ extra for mag horses
for three weeks' work, and the $\$ 20$ he wed me on the horse. and the $\$ 20$ he
dollar's worth nas not got and has almost ruined the horse driving
him. So, you see if him. So, you see, if I got the whole o
the $\$ 30$ that is coming from C, B would
still what I ought to do, I Please tell me
mot about C
not the $\$ 7.50$, for I cannot afford tho C should pay the horse, and do not want any price o
Crouble
chomised to have the money promise
threshed.
Ontario
Ans.-You should formally notify ment of the $\$ 30$, and that you claim sime notice against paying the money any other person. Then when the time ing), you could sue (after in the Division
Court for the B joined as a party to, the suit, and sc
have the matter disposed of by the ourt as between all the parties.
COLD STORAGE FOR BEEF. scencity of feed of this winter, it seems certaiu that beef will be very cheap this
fell, and be correspondingly high in


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Ans appreciated. NORTH SIMCOE FARMER.
Ans, would not advise anyone to
denend on a temporary or

## YorkShrirs of Choicest Typa and Breading, <br>  <br> Clara, Minnie, Lady Frost and Queen Bess strains. My stook boars are true to type and riohest breeding. For sale are a large number of sows bred and ready to breed, boars fil for sarvioe, and younger ones of both sexen. Pairs and trio not akin. J. W. BoYLE, P. O. Box E63, Woodstock, Ont.



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Yorikhirirs:

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MONKLAND Mix JAB. WILSON A SONS, FERQ Long-d

Maple Leaf Berkshires. - Large English breed Now offering Doctor sows. bred to British Duke
sow for sale, 10 and 18 weeks old. JOSHUA LAWRENCE, OXFORD GENTRE P. O.

FAIRview berkshires Glenburn Herd of Yortshices.


Wuccession. 6 younge three years in
succession. 6 young boars from 8 to 6 to 12 weekks old.
David Barr, Jro, Box 3, Renirew, Ont
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 Motto: "Goods as Represented."
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Yorkshires and Tamworths ${ }^{- \text {Eithor brood }}$




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 J.H.SNELL, has raville P.O.\&station. For Sallo - Ohio Improved Chesier Whiteen, the






FAIRVIEW BERKSHIRES




Willowdale Madle Grove Yortshires Berkshires





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es
 ver winter. If we could be sure of
vering weather trom the time the bee
killed until it is roelte ailled until it is required for consumpCoter, but the spells of colty aboorawiould make the undertaking
risky one, unless a well equippea Ild storuge was provided.
It would be nuch cheper to ship the
tef to the nearrast colldstornce whe se, the nearest coll-storage ware $t$ a special building, which cannot be


| ARBE ENGLISH YORKSHIRES. - We have a limited number of choice pigs fnr shle bred fro n our choicest sowa and got by the imported boars <br>  |
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