# *Agriculture, Stock, Dairy, Poultry, horticulture,Veterinary, Home Circle, 

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## EDITORIAL.

The publishers of the FArmer's Advocate respectfully request the assistance of its friends everywhere in extending its circulation during the subbenefit others and do us a good turn.
in other to facilita mood turn. mailing lists, we ask all our present readers to rene promptly.

Agents or those desiring to secure new subscribers will be specially interested in the splendid list of premiums offered on another page. Read it. The proper time to begin work is now. Sample copies and terms will be sent on application. A couple of thousand swine died in about a week
near Champaign, Ill., breeders and feeders both losing heavily.

The announcement was recently made that the German Government had scheduled United States fever in a couple of cargoes landed.

Elsewhere we begin an interesting and season able series of papers on the system of managemen of draught horse breeding pursued ompetent an authority as Mr. Archibald MacNeilage.

The Australasian, of Melbourne, states that th Department of Agriculture has undertaken the ship ment of eggs, geese and turkeys to London, Eng Producers are adised ond send they will be kille and frozen at a nominal charge.

It was no small honor, as reported elsewhere in this issue of the Advocate, for Canadian stocker to have beaten the. Scottish-bred steers as feeder on their own ground. The experiment was con ducted by an able and careful man, whose aith was pinned to the Old Country steers to begin with, and who, in orderted his test before giving the public the benefit of the results

Stock of all kinds should be kept free from disturbance while feeding. This is especially true re garding sheep, owing in part to their natura timidity. Besides being quick to detect the pres
ence of strangers, they have an instinctive dread o dogs. Good sense and gentleness of disposition are qualifications that every feeder should possess, in order that the most friendly relations may exis between him and the dumb dependents whos wants he is supplying.
Denmark has been so repeatedly held up as an xample for Canada to emulate that many have come to think of it as a land literally flowing with milk and money. However, a recent report by Capt. J. C. Lacour, for the year 1893, speaks of the country, among the obstacles cited being the growing competition of Australia in the English butter market; low prices for farm produce, with the ex ception of pork; cattle disease, and consequent pros.

The condition as regards available food supplie for stock confronting the Scottish feeder this season is as follows:-(1) a fair supply of bulky fodder : (2) deficient crop of turnips, and (3) feeding stuffs at lower level of value than has been experienced for saries of years. The man who, uader track pursued stances, follows the same 30 to 10 per cent. more when feeding stuffs were 30 to 10 per cent. costly than they now are, is missing an opportanity which should be seized se long as it presents " a fairly good price, and it will pay to give feeding a fairly good a liberal supplement either of nome-grown grain or of purchased feeding stuffs, or what is probably preferable to either of these alone, a mixcure of both. Beef is commanding such a poor price that it is difficult, if not impossible, to suggest any sort of diet which woutable to the feeder. But the th th kind of meat profitas, grain, sc., affords stocklow mark a favorable opportunity of doing their young cattle well, so as to have them in excellent order in the spring when the grass comes, on less turnips than heretofore." Besides these considerations, there is the further enrichment of the land following the

## Our Illustration.

The portrait gracing our front page is a life-like representation of the two-shear Lincoln ram Vulcan, Can. Sheep Record 158. alias Royal Idlewild, lately sold by Capt. T. E. Robson, Ilderton, Ont.,
to C. C. Rice \& Co., Idlewild Stock Farm, near to C. C. Rice \& Co., Idlewild Stock Farm, near Chicago, III., for a good long price. He was bred by
Messrs. Gibson \& Walker, Denfield, Ont.; sired by Messrs. Gibson \& Walker, Denfield, Ont.; sired by Riby Conqueror, bred by H. Dudding, Riby Grove, in 1891, Vulcan's dam was also bred by H. Dudding ; sired by the 100 -guinea Biscathorp. John Geary, in speaking of Vulcan, said : "I consider him the best sheep in America." Although just in nice breeding condition, he is a massive, well-pro portioned animal, bearing a remarkably even feece of superior wool. Col. C. C. Rice, 178 Michigan St. Chicago, Ill., is at the he
wning this valuable ram
been sold and upon which he was used during the past autumn, contains a lot of splendid ewes. In 1886, ten ewes were selected from a flock of 50 just mported by Geary Bros. They were a grand heavy, healthy, hardy lot, just the sort to form a foundation upon which to build a splendid flock. One of the old ewes is still alive, and Mr. Robso informed us that she raised. It is also noteworthy year, and has agaize three-year-old Columbian Victor over a "Royal" winner was the product of this flock.
Two years ago a few ewe lambs were added to this flock, purchased from John G. Robson, whose foundation stock came from Mr. R. Gibson's im portation of 1872 . John G. Robson bred from these
the ram that won first prize at the Centenniel in the ra
1876.
This year a few more ewes were added to the flock. They were bred by H. Dudding and import ed by Gibson \& Walker. The rams used upon the lock besides Vulcan, alias Rogal Idlewila, Eng.; Geary's '95, bred by Robt. Wright, Lincoln Eng., and Geary's $O$, better known as King Tom II. bred by H. Smith, Nottingham, Eng. The breedin lock now consists of 25 ewes.
Besides the Lincoln flock, Capt. Robson owns a herd of Shorthorns that are not inferior to his sheep
in breeding or individual excellence. The herd in brets a dozen breeding cows and a few heifer and calves. To describe each animal minutely would demand more space than is just now avail able. We will refer to a few, which will, to al intents and purposes, represent the rest. Goide Robe $=20396=$ stands at the head of the herd. H is a beautiful roan yearling, with as fine a coat of soft, mossy hair as we have seen He was bred Bud (imported) $=23015=$. In addition to the merits of his pedigree, Golden Robe is a model in confor mation. His well-developed quarters, well-sprung ribs, deeply-fleshed back, with straight upper and under lines, makes him a worthy animal to head any herd. The thirteen-year-old roan cow, im ported Wimple $=533=$, has peen a money-mak of no insignificant character. She has been regular breeder of and looks for superannuation. She was bred by time comes for superar, Scotland, imported in 1882 by J \& W. Nillar, Brougham and Claremont, Ont. Her daughter, Wimple Birdie, sired by Indian Chief $=11108=$, is now an important individual in the herd. She was one of Cuckburn's splendid herd that went to the Vorlds Fair, and was sold at his sale for $\$ 300$. Although she was fitted up to high show condition just a without a sign of rough turned to nice breeding fix without a sign of rough
ness or patchiness. Her age of two years, beautiness or patchior, general appearance, history and
ful red color
breeding give her a standing of no minor imporbreeding give her a standing of no minor impor-
tance. Mysie's Gem =1746=, a seven-year-old roan tance. Aster
cow, is one of the right stamp, an undoubted show-
ring animal when in condition. She was got by ring animal when in condition. She Mys Thirty
Royal Victor (imported) $=4126=$, dam Mer eighth $=+105=$, a Provincial winner. Of the
younger members, we may mention Lady Zoa II., a younger members,
grand yearling heifer, out of the daughter of a
R yal winner. She is a beautiful roan. with a R yal winner. She is a beautinuing four year-
oplendid mossy coat. The remaning
lings are by ('ockburn's British (hief, and do him lings are by as a sire
great Robson, very wisely, does not keep his stock
Mr. overloaded with fat, but in nice breeding condition.
It is of rare occurrence that a female misses breed ing for a single year after commencing. The dairy
!ualities of the herd are of a high order, as the पualiers
udders
indicate.

## Without a British Columbia.

different idea of to the Pacific Province a very Her wondea of her vast resources is obtainable. unlimitederful fisheries, immense timber supply, capabilities combine to make her a marvel, and fill he mind of the beholder with the deepest interest. Of the agricultural industry, its present extent and requirements, together with the continually increased demand upon it, in supplying the rapidly increasing population, we place before our readers a few interesting facts. The great advantage of a home market, of such importance to the agriculturist, is assured in this Province at present, and no doubt for some time to come, from the fact that imported annually for home consumption. Beautiful fertile valleys, with climate and conditions of growth which will produce in abundance, fruit, vegetables and creals, remain in part or wholly uncultivated. Ranches, with accommodation for thousands of cattle, with luxuriant grass, and a plentiful supply of water, are still awaiting the rrival of the thrifty settler. While this obtains, he consumption of agricutural prosion of mining operations and other industries. With such condiions, agriculture in British Columbia, whethe viewed from a provincial standpoint, or that of the agriculturist, is certainly full of promise, and demands most carefulattention-first in order, to th etaining of millions of money in the country now ent abroad; and, secondly, on account of the pleas ant and profitable employment to be afforded ariet prsim. Within its borders are localities admir ably adapted to mixed farming in general, or fo ny special branch in which one may wish to en gage, while for fruit growing, the magnificent dis plays seen at the agricultural exhibitions through out the Province give only a faint glimmer of th mmense possibilities in this direction. Among these displays were to be seen in almost endies variety, apples, pears, plums, etc., of such perfec tion in size and quality as doubt in the of this Province for fruit growing Although the autumn was so far advanced at the time of our visit that many choice varieties of plum were out of season, yet numerous varieties wer seen, and these were of such exquisite quality as to convince us that it is a plum country "par excel lence."

## To be continued.

## Sunflower-Seed Cake

Among the many artificial stock foods, the product of the sunflower is receiving considerable atcation in stock rearing euntries. Rece ald ent of the former, and from 12.02 to 12.50 per cent of the latter.

Where it has been used, agriculturists differ in opinion as regards the best forms in which to utilize the meal, some being in favor of mixing it with water, while others prefer to use it in the dry st fall as a prection the bottom of the vessel. The dry method in which the meal is merely sprinkled upon roots or chaff, is upon the whole, preferable. Most oil cakes can readily be broken up into a fine meal but sunflower cake is an exception. It is so har that cattle find some difficulty in chewing arger pieces. For this reason it is thought ad poss able to grind it before use into as ine me
ble, in order to render it more digestible
Many agriculturists prefer to use the cake coarsely rather than finely ground, thinking that the greater mastication increased digestion experimenter, points out that albuminoids and fat are not acted upon by juices before reaching the stomach and intestines. Just here is a valuable point in favor of coarse grinding starchy foods, as the ptyalin of the saliva changes starch to sugar.
The question of sunflower growing for this purpose is worthy of consideration and
by farmers and experimental stations
"Owing to the great, increase of factories," says
an . lustralian exchange, " the export of butter from Victoria during the coming season will be greatly increased, and it is anticipated that this year,
10,000 and 12,000 tons will be exporte
against $7,65 \%$ tons in $1893-1$. The impreved applian ces recently introduced and invented in the colony in connection with the dairying trade will also
have a beneficial effect upon the quality of the have a beneficial effect upon the quality of the
article, and it is expected that over $£ 1,000,000$ will
be distributed amongst the producers."

THEFARMES'S ADUOCATE \& HOUE MAGAZINE A Suggestive Report on American Agri-
the leading agrioultural journal in the dominton.
Pububake ay
THE WILLLAM WHLD COMPANY (LINTVED London. ONT., and Winntrea. Mast
John Weld, Manager.

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## CONTHNTS.









Poutrpx:

FAMive Gineive iss an

The Farmer's Advocate Appreciated. To the Editor Farmer's Advocate
To the Editor FAnNer ing the very finest and best number of the FArmer's ADvocate that has ever been published; in fact, I
have heard this on several occasions. And, if you have heard this on several occasions. And, if you
will only carry out the same ideas, I am sure you will only carry out the same ideas, I am sure you
will double your circulation in a very short time."

Dr. Wm. Mole, M. R. C. V. S.
Clubbing Rates for 1895 Our subscribers may obtain any of the papers
entioned belowat the following price: Armer's Advocate and Home Magazine and Toronto Evening News Oronto D ilily Giobe, morning edition
Ooronto Daily Globe, second edition Toronto Empire, daily Toronto Empire, evening edition and Fireside The two combined
Toronto Weekk Globe it pages) Toronto Weekly Empire
London Free Press, 'weekly edition London
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culture.
The report of the U. S. Secretary of Agriculture The report of the U. S. Secretary of Agriculture ican people are alive to their best interests in doing much to develop the most productive industry in their land. There are in the United States $6,000,000$ farms, upon which dwell more than $30,000,000$ of the population, and they furnish more than 44 per cent.
of the exports of that country. The Agricultural Department has, therefore, the great responsibilities of the nation's material welfare resting largely upon it. Not only are they alive to the development of markets for what they produce and do not need,
but the subject of producing at home much that is ow imported is receiving attention. The exports
of 1813 were $\$ 615,000,000$ worth, which was largely absorbed by Great Britain and Ireland. The principal commodities going to make up these exports
were cattle, beef, pork, corn, wheat, flour and coto. The, Americans see that other countries are, like themselves, endeavoring to push their products
into the great European consuming centres. nto the great European consuming centres. Amer
ican-like, they are not slow to look after their interests in such ar acase. A plan of action proving
incessful is that of sendin missionaries into the successful is that of sending missionaries into the ood-consuming fields of turope to prosectian
thorough inuury why American meats are partially excluded; why American tobacco is not more
lemanded; why American wheat flour cannot be nore generally marketed in Earope; why cranherries are not sold there ; why A merican whes are
not called for, and why Eropeas generaly should
not be consumers of American canned goods not be consumers of American canned goods?
There is an over production of certain staples, the demand for which fluctuates greatly. This might be avoided, and many farmers benefited by
larger amount of subsidiary crops. This also larger amount of subsidiary crops. This also
would increase the variety of agricultural supplies would increase the variety of alyricult ural supples
in foreign markets, and multiply the markets themselves. imper important considerations are sincerely ommelly or in association, directly or indirectly, are ngaged in the work of agricultural education, for upon them rests the responsibility of leading the
way for progressive agriculture. All persons enway for progressive agriculure. agricultural education and experiment must hold steadily in view the inexora-
ble economic facts that effect the production and ble economic facts that effect the production and
disposal of agricultural products. Farmers must disposal of agricultural products. Farmers must
produce what the worlo wants.
And the unrelenting truth of the relation of supply to demand is thal regulator of value, and that is appiem and of the
force to all the products of the farm and faccorr, and ought to be engraved upon the memory
fand reflected in the judgment and the plans of every farmer.
The divisions of entomology, botany, vegetable pathology, pomology, etc., are, receiving the atten
tion due theigificance. Whan pest that threatens destruction makes its appearance the
amount of money appropried for itso verthrow is amount of money appropriated for
only itimed by what is necessary to accomplish
the purpose undertaken. he purpose undertaken.
With regard to cont
With regard to contagious diseases among stock, pe report states that they are free from contagious
plearo-pneumonia, saing that no case of the dis-
ease hasteen discovered since March ease hasbeen discovered since March 25,1892, and a
careful inspection having been maintained for
 inspection.
Tubercul
Tuberculosis is, however, a widespread malady Ihroughout the nion-more dangerous to human
ife than pleuro-pneumonia. Investigations have been made during the last two years, as to the
means of its communication, and the method of tits
 mal Pathology. The work is now being extended in cooperation with local authorities, which is to
continue until the danger of human life has been continue untir the
reduced to a minimum.
Distribution of seed at public expense has been a
growing branch ever since its commencement in
 1835,100 for the purpose of purchasing, seeds, bulbs,
\$130
and cuttings for gratuitous distribution. In 1891 the seeds purchased cost in round numbers, $\$ 10,000$,
while the labor and expense of putting them up and distributing them alone cost the Department $\$ \$ \overline{0}, 675$ : Whether such a method of using up funds is wise or not the value of free seed, or, in fact, any-
many cases the
thing else, when issued from an extensive depart ment, is not appreciated, and therefore not utilized to anything like the extent of its importance. It
all very well to do a certain amount for people, so long as it is appreciated, but when evident grati-
tude ceases to be shown, it is time to call a halt. There is no reason, to our minds, why the bare ex-
pense of purchase and distribution should not be pense of purchase and aistribut onere are several
met by those reciving them. There
reasons for this. It is an easy. matter to ask for what appears of value when it is given free. The
labor, however, of giving the cultivation of seeds the necessary attention to be quite satisfactory is
often neglected by those who think: $W$ Well, the (iovernment can stand it ; what's the difference.
Whereass if even a smali sum were demanded for
what they received they would not be acked fo whereas, iv reen aed, they would not be anked for
weat they receiver wher really desired and intended to be made
yood use of.

However, the main objection to this sort of
thing is not merely that the Government does for the people what they ought to do for themselves,
 private enterprise, using therefor funds levied from
the general community. The tary of Agriculture goes so far as to designate promiseuous free distribution of publications
vicious in principle, and intimates that it must be aban
We note also that in view of a depleted public treasury and the public demand for economy in
Government administration, Hon. Mr. Morton has been applying the pruning knife in his department
the services of over jou unnecessary employas the services dispensed with.
having been

STOCK.
System of Management in Breeding Studs of Draught Horses in Scotland.
(Compiled from a paper prepared by Archibald MacNeilage
Socretary of the Colyd desiale Horse Sociel 3 . In preparing this paper, schedules of inquiry
were issued to leading breeders in various parts of were country, and reppies have been received from
the many successful horse-breeders. Quite naturally, the answers received reveal con-
siderable diversity in the details of stud manal siderable diversity same time the general principles
ment, but at the are more uniform than possibly could have bee
expected. The varying soil and climate of expected. The varying soil and climate of the
British Isles is well illustrated by the treatment of stock, especially during the winter season. On the light, friable eoils of Galloway, wintering out in all and north of Scotland that is practically unknown. The most important members of the breedin cud are, of course, the brood mares, and it will be management in studs in which they are kept solely
for breeding purposes ; (2) their management in for breeding purposes ; (2) their management in
studs in which they do an ordinary share of farm studs in which they do an ordinary share of farm
labor, and $(3)$ the management of mares kept for breeding and exhibition.
In the majorityo of studs in Scotland there are mares of all three classes; but the most important
breeding stud is that of Keir, founded by the late Sir William Stirling Maxwell, Bart., and now owned
by Mr. Arch. Stirling, of Keir and Cawder. The by Mr. Arch. Stirliug, of Keir and Cawder. The
richness of the pastures and the mildness of the richness of the pastures and the milaness of the
climate in the vicinities of this stud admit of the stock being wintered out in all weathers. The
feeding is of the lightest description, the allowance per head for each member of the stud in the winter season being one bushel of oats per week, mixed
with chop the forenoon, a pailfull oit boiled food-turnips, cut hay and bran-in the afternoon, and oat straw ad to have as largeat object aimed at in hreeding is one season as possible. TThe results obtained in 1887 were 28 mares served, 20 of which had healthy fons.
In 1888,29 mares
 foals resulted from 32 services. It is not to be
understood that the method of feeding here specitled understoode the conditions and nature of each
is absolute, the animal have, hine to be considered; but the main
features as followed at Keir have been indicated The Balmedie stud is not an old established institution, but its representatives have taken good position in in the leading show yards. Generally
about half-a-dozen brood mares are kept for breed anou anai-a-adozuring winter they run at grass all ang and
day, but are housed at night. They are fed thrice
daily at 5 a . m and at $4 \mathrm{p} . \mathrm{m}$. with boiled mash, and at 8 p. . . with harr feeding. consisting of about one pound oats to eall, mail of the capacity of two
enough cut hay to gallons, with an abund
odder In $\begin{aligned} & \text { oder. } \\ & \text { n }\end{aligned}$
In the Cairnbrogiestud there are seven mares
kept solely for breding purposes. These run at grass all the year round, but are housed at night
during winter. They get hay and a few turnips, Auring winter. They get hay and a few turnnp,
uncooked. when taken into the house nt night, say
und about 20 poundis long hay and 12 pounds $S$ wedish arger allowance if the ground is covered with snow. Mares of a simiar ciass are treated
more liberally in the Linkwod stud. They run out all day, and their allowance, besides grass, is hay or
ant straw with bran, and one half $f$ feed oats and some turnips each per day before foaling, but about a week after foaling the quantities are increased in order that there may be an a unil the young ras is up. when it is discontinued, and the mares then get nothing but what they pick. If possible, the
aftermath is reserved specially for mares that are nursing.
Mr. and his mode of treating brood mares merits special notice. Furposes, and they receive about half a feed of oats purposes, and double the quantity of cut hay every
mixed with doun morning, and there is always an abundance of iong
fodder in their mangers. At night they get a quantity There are loose boxes in the fields in this stud, and three of the boxes are so arranged that the mares
can go in and out at aleasure, where they have
grass and water "dd libitiln. A har is put across

THE FARMER'S ADVOCATE.
November 15, 1894
the door of each box at night, because it is found
that even on the roughest nights mares incline to be that even on the roughest nights mares incline toin so
out, and there is a considerable risk that in doing out, and there is a considerable risk that in oing so
the foal may contract rheumatism or other
 outside is preferable to keeping them inside during
witer and turning them out four or five hours winter and turning them out four or five hours
daily, because in the former case the animals are kept at a more uniform temperature, and are there fore less liable to chills.
From the replies roceived from other gentlemen
in the Rhins of Galloway, there would appear to be in tive diversity of treatment in regard to the some ering of brood mares-some keeping them out
with the optional shelter of a shed, and others folwith the optional shelter of a shed, and others Caig. But wintering out is altogether the rule In Lanarkshire, housing an tinght in winter appear to be the general rule, ind is somewhat heavy
Mares of the class now under review are apt be somewhat neglected by breeders in respect to
the care of their feet and legs, because, not being the care of their feet and legs, because, not teitg
required either for work or showing, they are little taken notice of, except when in season and about the time of foaling. But there can be no greater mistake than that acquired defects in course of time become constitutional, and consequently hereditary; and while there is no occasion to have these mares be dressed at prevent the hoof breaking. The toes should be kept short, and the hoof of a round, open shape, and the
pressure brought to bear on the frog and heel. In this way the hoof-head is kept open and round and this way the hoof-head the most important characteristics of a sound foot.

## Our Scottish Letter.

The past four or five weeks have been eventful
Thes in this country September and October are ones in this country
the great sale months of the year and Alltaber are
theses of young stock, including horses, cattle and sheep, are sold at the auction marts, and then also are held the few remaining great fairs like the faik, aik Tryst
and the Moss of B.tloch and Beith fairs, which Highland cattle and Ayrshires are sold by private treaty. Of all these great country events, the only
one which now retains any vitality is that held on one whicnhousemuir site at Fall irk. Without exception, the glory has departed from the others,
and in respect of sheep. it has gone from Falkirk. Immense numbe by private treaty, and in spite of the growing popularity of the marts, we would be disposed to give th
period of existence.
perio trade at the various sales has gone, it may be
As summarized in this way. Amongst the finer breeds
of cattle-that is shorthorns and Aberdeen-A Angusof cattle-that is, Shorthorns and made the highest
excellent prices have been mat excellent prices have been made the hiteshest
average being at the credit of the blackskins. average being at tite origenal habitat, in no porto
Possibly, outside of
Great Britain or reland has the Aberdeen-Angus Great Britain or Ireland has the Aberdeen-Angus
taken a firmer hold than in the north of England, taken a firmer hold tan in the north on wagland
and the best cattle sale of the season was held
there. Mr. Owen C. Wallace, a gentleman wellknown and highl popular in athe thunting-field,
founded an excellent herd at Bradley Hall, on Tyneside, some years ago. His guide, philosopher Tynesie, some in this enterprise was Mr. Clement
and frien in
Ste Stephenson, and there could be none better. The
excellence of the advice which he have mav be
infered frou the fact that at the Bradey Hall dis persion sale, seventy-four head of polled cattle o all ages made the splendid average of £51 19s. 9 d . apiece. If such a return does not approach the
highest prices realized for cattle in the halcoon days
of cattle-breeding, it is certainly an indication of the very high quality of the stock, and a proof that
there are still plenty of men who have not lost faith there ares ine breding of cattle in the old country. The in the breedug on next to that at Bradley Hail was
sale which raks
Mr. Duthiess draft from the collyie herd. The position held by this herd in the Stort horn world
was sufficiently demonstrated by the crowd from was suficiens which assembled at the sale. Your
all taterters
countryman, Mr. Gibson, who was lately running a tilt at the that in Collynie there are more of the
well well aware that tows than in any other individual
old Sitteton cows one
herd in this country. Mr. Duthie usually holds al Mid Sin this country. MM. Duthie usually holds an
herd in thal
annual sale of bull calves, but this year he held a annual sale of bull calves, but this year he held
draft sale. in which were included seventy-four head of stock. of all aghes and both sexes. The average
price of the lot was $£ 401 \bar{T}$., and the bull calves
 twenty-eight, as against \&j̄l lys. for twenty-one in
1sk. Although there have ben many shorthorn Sales this yarar including the dispersion of the cele
brated पnderley herd of Bates cattle and Mr brated (nderley herd of Bates catter and Mooth
Indrew Mitchells well-known Alloa hed of Boan Cattle, the Cruickshank cattle at the Collynie draft
sale made by far the best average. Whatever. Therefore, may be the end of it, it is apparent tha
the Shorthorn breeders of this country are a deternined as ever they were to keep to the Aber-
deen line of the breed. The sale at thich the third


numbered forty-eight head, drew e332 33. 4d, and
one of the cheapest sales of the season was that of one of the cheapest sales of the season was that of horns, chieffy of the Booth race, which realized an average of £23 $^{93}$.3. 63. for forty-six head. These
were very good cattle, and it was unfortunate that were very good cattie, and it was unfortunate that
only. acoparativel smail number attended the
sale. Breeders of the Cruickshank cattle have no
 great love for the Booth type, but the cat the eofered
by Lord Polwarth were meritorious and must by Lord Polwarth were meritorious and must have
attracted the eye of any lover of good stok. A
significant fact in connection with these sales was significant fact in connection with these sales was
that in one week the first prize Shorthorn yearling bull and the first prize Aberdeen-Augus yearing
bull at the $\mathbf{H}$ \& A.'s show were sold by public
A. auction, and while the polled bull made 290 g., the
Shorthorn drew only 82 gs., for exportation to Shorthorn drew only 8om gs, for exportation
Buenos Ayres. The somewhat wuerous company Buenos A yres. The somewhat avaerous con paced
whio criticised adversely the award which placed
this bull, Imperial Gold, first amongst the Shortthis bull, Imperial Gold, first amongst the hort orn yearling buls apon this selling price as con-
be inclined to look upws frmation of their views. The two hardy breeds
the Galloway and the West Highlander, have also of late come under the test of the auctioneer however, have prices at at commensurate wa
those already specified been realized. A Galloway herd dispersion took place at Cally, near to Gate
house of Fleet, in Kirkcudbright. The best prices were paid for cows and heifers by Mr. Jas. Biggar, chapelton, and the Rev. John Gillespie, the secre ary of the Herd Book. These were as somows made an average of $£ 13$ 11s. 3d, and yearling
heifers from $£ 10$ to $£ 10$ 153. Carlisle is also a great centre for the sale of Galloway cattle, and drafts from such famous herds as those or an Mr Jast
Jardine, Bart., the Duke of Buccleuch, and Mr. Jas. Cunningham, Tarbreoch, were sold there. Being
drafts, of course fancy prices did not rule, but some drafts, of course fancy prices The highest figures sere
fair sums were put down.

 at Falkirk Tryst, but very extensive sales also take place in the auction marts at Oban, Perth, nverness and Stirling. Sir Donald Curtie, Kfrican com-
M. P., the famous pioneer of South An merce, has had a sale at one of his Perthshire farms.
which which he is relinquishing. The prices realized for
the Highlanders were not very high. but they were sufficiently encouraging, At the Tryst bullocks
were making $£ 18$ for three-vear-olds and $£ 16$ for were making t18 for the various sales heifers ran up to $£ 17$ 103. Ayrshires remain uniform in price.
There is a steady demand in autumn for what are Called back-calvers that is. young, healthy cows
Which calve in the close of the year and are therecalhich calve in the close of the year and are there-
fore in fine trim for the supply of milk during winter. Many hundreds of Ayrshires change hands in the auturnn, and this year the prices
ordinarily ruling have been from $£ 1317 \mathrm{ls}$. up to $£ 18$ and $£ 20$, according to weight and size.
the dairy cattle sold at this season go into the hands of cow feeders in the cities. who retain and feed them off for the butcher while milking them strongly, there is an absolute necessity fore capacity
being big and of large frame a sthe me the better the price being bige for taking on flesh the better the price
they have the butcher is likely to pay. In the recent
which the which the butcher is likely to pay. In the recent
milking trials and butter tests at Islington. the milking trials and bu most creditable appearance, beating the Jersey by much more
self beaten by the Shorthorn. Of course, in the per centage of butter to milk, the Jersey was first, but when the greater moier figured up, together with the
the butter were mire undoubtedly hisher value of the carcasses of the
Shorthorn and the A yrshire than of the Jersey, the Shorthorn and the yyrshire than of the Jerseef, the
balance of profit is very probably more in favor of balance of prontis the butter producing breed. In
the milking than ter
our next communication we purpose
referring our next at lenpth to the sheep sales and thei
somewhat at limething will also be said about horses

lessons, and somethin | lessons, and something willalso be said about horses |
| :--- |
| Scoticyo Y' |

The Cow for the Manitoba Dairy Farmer Mr. James Elder, of Virden, Man., writing to us recently on the above subject, said
As to the breed for dairying. the Jerseys, Ayrheir advocates: but for dairying, I would not nvest in a thoroughbred cow of any irreed. In the first place, thoroughbreas cost too much. Sectina, xpects to be pampered. Some of our thorough hred stockmen attempt to deny this, hut the the observant man it is of no use. There is an old
saying, and a true one: 'Half the breed goe's down saying, and
the throat.
" Co .
keep up the supply of males to use on our grade cows. But to the dairymen woula say /with the exception of a have extra care or extra feed th spare, grades
account for it
"For my own part. I would much prefer a short-
orn grade. We had a fair share of experience in
at least two crosses of the Shorthorns, and were large, showy cows, with wide hindquarters, roomy belies; large, but not fleshy, udadrs; fron quar, with fine so fil, necks long and he eyes long muzzles and wide nostrils. Such cows will milk well till twelve or fifteen years old and then dress 600 pounds of beef. Not only have we found cows we remember give best results in the pail,
how many of our cows miss breding or meet with how many of our cows mussity is a very important em.
A Vigorous Protest from the Holstein Camp. dior Farmers advocat
I was greatly interested in the article on "Dairy-
ing in Janitoba," by Mr. Jas. Elder. There was one part of his article that I think. is hardly in
accord with the practical experience of hundred of accord with the practical experience of refared on dvanced dairymen oTh-ay. ©dis are more delicate is conede." He says, "I would not invest in a
thangudes."
horoughbed cow of any breed"-and that " thor thoroughbred cow of any breed" - and that " thor-
 "theroughbreds we must have, to keep up the supply of males to use ou have extra care or extra feed to spare, grades will as a rule give a better xtra fed or spare, Wren, it seems to me just a little
account of it
Wo claim that a grade cow is superio nconsistent to claim that a grade cow retuperio
to a pure-bred, and will give a betier return for feed consumed, and in the same breath urge dairymen to use a son of the pure--rea is right, why in the name of common sense, not use the grade bull I will not attempt a defence of the Jersey or Ayr-
shire, as I have had no experience with them, and will leave that to the breeders of these cattle, but
when anyone will advocate that a grade cow will give a better return for feed consumed than a pure venture must take issue with them, and would experience with my favorites -the Holstein. Such a statement is warranted neither by facts nor the well known laws of heredity. It is only reasonable hundreds of years, as the Holsteins have, and bred specially fur the production of milk and butter, far granter degree than could be found in cattle that are a mixture of several breeds. From my
experience with Holsteins and grade Shorthorns experience wroses, , would not fear backing one
for dairy purn
good Hostein cow against two ordinary good Hostein cow against two ordinary grade
cows for one year's production of milk or butter. I have a cow in my herd that this summer, after
milking eleven months and heing well on in calf, gave Jopounds of good milk per day on grass alone.
Jany farmers get the idea that because a horse a bull or a boar is pedigreed, it must be superexcellent and a fair ssample of its breed but all breeders
know that there are blanks in all breeds, and also know that there are blanks in ali breeds, and also
that those the length of time the breed has been established, and the general excellence of the family. telligent man can now doubt the potency of the
breed. From a very early period the thrifty Datch farmers have bred the Dutch or Holstein cattle in all their purity, improving their excellent qualities
by a careful and continuous system of breeding to y a careful and continuous system or breeding to
that particular line in which hey saw the greatest profit The fact that these cattIe are so highly esteemed in the best grizizing districts of Holland
we may safely say the best in the world - where we may safely say the best in the world-where
land is worth from $\$ \$ 00$ to stiol) per acre, and rents yearly for $\$ 0$ and upwards per acere, and where the
production of beef, butter and cheese is the princi pal industry, goes far to show the superiority of I find the Holsteins are very hardy, not requiring rich food or extran care to obtain good results, hence are very desirable for the average dairyman and
farmer : they are large, liardy, rapid growers, farmer: they are large, hardy, rapid growers,
maturing early, fattening readily when not in milk,
and mate and make an excellent quality of beef. Visitors to
and ny farm in irariable remark how sleek and thrifty neighbor, Mr. J. Mc Cartney, took in a number of Cittle to herd with his own. Most of them were horthorn grades; amongst them were three or
our half-bred Holsteins. Mr. Mcc artney informed me himself that the Holsteins outstripped all the others in growing and general thrifiness. Suc
testimony regard as valuable especially in view of the fact that he was prejudiced against From my
when first brought into this district. From hree years' experience, 1 am well satisfied with then as a working dairy breed, and would heartily re
commend them to all dairymen that want cattle with strong constitutions. and that are large and
econoricical produces W. J. Yovene, Emerson, Man.

Fruit Growers' Meeting. The annual winter meeting of the Ontario Fruit
Crowers Association is announced to be held at Mrillia. Aeginociation is announced to be held at
Tuesday evening, Dec. 4 th and continuing on on Tueduesday evening, Thursday and Fri-


THE FARMER'S ADVOCATE.

Mr. Lynch Replies to Mr. Elder.
ditor Farmers anoca
My attention has been called to an article entitled " Dairying in Manitoba," by Jas. Elder, of
Virden. Mr. Elder starts out by cautioning us to "give thoroughbred cows a wide berth." He says, "Aive thoroughbred cows a wide berth." He says, expects to be pampered. Some thoroughbred stockmen attempt to deny this, but to the observant man, it is of no use." Allow me to place beside this dogmatic statement, or text, a much more modest,
and I venture to believe, more correct one. Prof. Shaw said, on the Winnipeg Exhibition grounds: ment, by all going to give your catte scrub trea oing to give them better treatment, the better bred the animal is the more readily will it respond o this more generous treatment." That is more than a text; it is a whole sermon in a few words. I suppose it is possible for a "thoroughbred stockman" to be an "observant man," and in that case would he not be more likely to form correct conclusions regarding his cattle than an equally fact is, stockmen have got far beyond, way out of sight of, the point at which Mr. Elder expects to find them. They know there are delicate thorough-
breds and robust grades, and vice versa, but they also know that their being thoroughbred or grade delicate parents are likely to produce delicate offspring, and that animals of similar tendencies mated together, irrespective of breed, are likely to lowing up those observations, they have produced,
on one hand, a class of cattle that devote the whole on one hand, a class of cattle that de of milk, and, on
of their energies to the production on of their energies to the production of muks, and, on
the other hand, a class whose whole business to make flesh and fat, and this intensifying process is
still going on, and will go, as far as nature will pernit. I heard Mr. Gregg, on the Winnipeg Exhibition ground, say: "The cow, as nature designed her,
had one more rib than the dairy cow had any use for, and that this rib was in process of elimination from the dairy breeds, and that the dairy cow of nature originally designed her to have." Would it be at all surprising if, with the disappearance of this rib,
some good quality in the cow should also disappear some good quality in the cow should also disappear. undue amount of flesh and fat is a form of disease, and the tendency to turn everything into milk is know that milkers look delicate. compared with beefers, and we also know that a cow with an in-
clination to carry an undue amount of flesh and fat, if she breeds at all, is very apt to be disappointing if she breeds at all, is very apt to be disappointing. Now, on the principle of ike producing like, this
should not be the case, , hut as it is, there must be
some cause for it. But though some of Mr. Elder's some cause for it. But though some of Mr. Elder' warped glass, and some of his positions not well taken, he seems to have the faculty of falling on his feet. His final conclusions seem to be pretty
correct. Why is it that Mr. Elder and so many like correct. Why is it aood general purpose grade, look case? Why do they not take a cross between a Jersey and a Hereford; or an Ayrshire and a
Angus; or a Galloway and a Holstein? Becaus Angus; or a know the results of such breeding are too uncertain. They know that for a very long time the
Shorthorn has held first place as neneral purpose Shorthorn has has atthe same time successfully dis-
animad, and
puted, on many occasions, with the champions of both the other classes for supremacy in their own
classes. They know the lines on which the Shortclasses. They now hives their breeders a larger range to choose from, or constitution.
But I am not
got on pretty safe gronnd in his choice of a cow got how is he going to stay there. He wants "at I would infer from that expression that one or two more would be better. Now, if it is desirable to have
from 75 , to 94 of Shorthorn blood in them, why is the other 6 going to be it is he going to do with his the danger hen he, reaches it? Slaughter them, or go back to a scrub bull and work up again to the point at which he fell back: Before he is through with
this subject he will have to tell us what kind of churn is best. If he warns us against a particular
churn, and then advises us to get one as near like it as possible, we will all of us see the fallacy of his
reasoning, and yet it would not be more fallaceous than his reasoning about the cows. He will also
have to tell us how to feed and treat these cows; what he considers good, plain treatment of grade thoroughbreds. Now, without knowing what that treatment will be, I advise you one and all "to give
a wide berth to any thoroughbred" (male or he will prescribe for these grade cows. Again,
allow me to vary his advice and say : Do not be afraid of getting two much breeding in your cows,
if it is of the kind youn want: but see to it, first of all, that they have sound. healthy and vigorous
constitutions. alter Lixioll, Westhourne, Man
" The Grand Old Man of Sittyton. "The rank is but the guinea stamp.
The man's the gowd for a ' that." A simple incident in itself, yet a sight worth seeing and never to be forgotten by the on-lookers, was the mutual exchange of courtesies between two Show at last Highland and Agricultural Society's President of the Society, His Royal Highness the Duke of York (Prince George), and the other, a venerable, white-haired man of some 90 yearsAmos Cruickshank, of Sittyton, whose portrait,
from a recent photograph, and whose autograph upon this page, will be contemplated with peculiar pleasure wherever the benefactions of Sittyton stock have extended, but more especially by those who cherish the memory of personal acquaintance
with-to quote the words of Mr. Bruce-" this grand old man.
Not long ago a short series of articles ran through the Farmer's Advocate, entitled "The volution of the Scotch Shorthorn -than which literature seems to have been more favorably received and commented upon by our breeders. To have been the creator-so to speak-of so grais day and generation, so that the Duke paid him no mere idle compliment on the occasion above referred toIt was during the parade of prize cattle on the Aberdeen show yard that His Royal Highness was made aware of the presence of Mr. Cruickshank on
the grand stand. He immediately expressed a wish


## Smor Cnuchohant

to be introduced to the famous breeder-a wish which was gratified without parley. As the veteran agriculturist and the Duke stood hand-in-hand, it was should burs wondered at that the sympathen cheers at witnessing so graceful an act. Mr. Cruickshank was deeply moved by the unexpected tribute, remark ing afterwards that had he kove been at home that
day.
The term "greatness of character" may truthfully be ascribed to Amos Cruickshank. No one ever heard him boast. No one ever heard him say an unkind word about a fellow mortal. Never speaking in a hurry, he needed not to retract. Writing of him, a friend says :-"His eyes sparkle, and his whole countenance lights up one a direct insight into the big heart within his capacious insight
breast.,
In the series of articles to which reference ha already been made, we gave (from the pen of Mr Robert Bruce) a very faithful outline of the systen of breeding and general management pursued of the Scotch Shorthorn; but to recount in detail the rise and progress of the Sittyton herd, from a solitary heifer til it numbered some :3i(1) head, valued, at \& moderate estimate as require a volume of no small dimensions. It was in 1837 that the first purchase was made in Durham by the yeung Scotch farmer who had only just entered on a large farm on the estate of Mr. Ramsay, of Barra.
He had been brought up to agricultural life, being
the son of a farmer in the vicinity of Invenrury. Next season (1838), he made an expedition int a
Notts, and from various breeders selected about a dozen heifers. Hence forward, the process of pur chasing, breeding and weeding out was steadily carried on. The first sale was in 1842, five years after the start, when some six animals were en posed, burag ranging from 10 to 30 guineas, but in 184 there was a turn in the tide, one bull under a year going for 63 guineas, in those days esteemed an extraordinary price. From an authentic old record of public sales, conducted by the Messrs. Cruickshank, between 1812 and 186t, we notice that the op price was 1 tos., the averages indes. in the fors of subsequent indeed a
The ultimate disposal of the herd to the Messrs. Velson in 1889, and the important acquisitions of Sittyton blood, by Mr. Dathie and others, are call for fresh in the minds of our readers,and reminiscence of man whose steadfastness of purpose, whose delity to a high ideal, whose worth and arishable ments,
Canadian-Bred vs. Scotch Steers as Feeders. The Scottish Farmer records an interesting ex adian store cattle as compared with steers raised in Scotland. It was conducted by Mr. George A.-
Ferguson, Lessendrum, who is spoken of as being Ferguson, Lessendrum, who is spoken of as being
no novice in the management of cattle stock. In
 were chosen, and twelve (Canadian bullocks, selected out of a lot bought in Aberdeen in the end of Octo-
ber, and whose ages would have been probably her, and whose ages would have been probable cattle, and had been reared on Mr. Ferguson's farm, but the Canadians looked a little rough, and were larger and more hony than the home- weighed on November 1st, and tied up in one stable, and fed alike on turnips and straw until January 18th, when they were again weighed
and divided into different lots, each lot, for the purpose of experiment, consisting of three home-bred
and three Canadian cattle. In making up the lots, care was taken top disparity was shown that it was
worse, but so little worse, baty matter to draw them out. During the frrst
no easy eighty days in
found that:-
 It may be mentioned that each lot was fed differbreds fared alike. For the first month the general feeding consisted of 70 lbs . yellow turnips, 38 lbs .
Swedes, and 14 lbs barley straw daily. To this lot Swedes, anthing in addition, B. got 1i l lbs. linseed
A. got nother
cake, C. got 2 lbs. bruised oats, D. got 1 lin. cake
and 1 lb. oats.
The total increase at the end of four months


The cattle were turned out to grass about the
3rd week in May, and all artificial feeding was with3rawn. The animals were fed throughout the summer on first year's grass, being changed from on
field to another once a fortnight. The summer was fenfavorable for grazing cattle, but all shared alike. At the end of seven months the gains were on the
home-bred cattle, $2,416 \mathrm{lhs}$., but on the Canadians home-bred cattle, 2,416 lbs., but on the Canadians
2,987 . This shows a gross gain in favor of the Can adians of 571 lbs., or nearly 48 lbs. each, and which, reckoned at fivepence, is a di
value of 20 shillings a head.

In order to verify the foregoing experiment, as re gards the progress of the home-bred vs. the Canadian cattle, anotherexperiment wasconductedinligs
time, however, the animals were specially selected time, however, the purpose. The selection of the home-bred cattle was entrusted to a well-known judge, and one who was himself a very strong advocate for "ome
bred cattle, both as "doers" and "payers." The animals sent were eight pretty black Polled bullocks, weighing about 810 bs. each. The eanadians
lere bought at $A$ berdeen, and weighed about 896 were bought at $A$ berdeen, and weighed about out
lbs. each. Both lots were allowed to run out lbs. each. Both lots were allowed to run out,
through the day for some time after being bought, and were not closely tied up until the 14th of
November. It has been thought better, in giving November. It has been thought better, in giving
the comparison, to do so with six in each lot only, as comparison, to do so with sin inter one of the black cattle had
slight illness and another was a little widd, so that their progress was somewhat retarded.
was sed wing to rather a small crop of turnips, the the former experiment, and the quantity given was reduced to about 80 lb . each, with straw
in addition, ad lib. The turnips were not weighed, either, as formerly, but care was taken to allow,
both lots the same quantity. The animals would both lots the same quantity. The animals would
have consumed much about the same quantity
of straw as formerly, and it was observed that
the byres were much drier than in the previous the byres were much, drier than in the previous
winter, and that the animals seemed to rest more
 easily after geing fe tharnips. This time, too, artificial feeding was withdrawn until the month of
April. From 14th November to 12 Lh December the April. From 1th November to 12 12th December the
gain shown is : Home-breds, 2041 bs., and Canadians, gain shown is: Home breds, 2at ings., Dand canadians, As winter went on the cattle were weighed at the end of each month, each time showing a gain in
favor of the Canadians.
For the whole course of Finter feeding the gain was: Home-breds. 1,167 libs. Canadians, 1 , ,19 lbs. From the thime spring feeding commenced till July 113th, the gain was for home
breds. 535 lbs. Csnadian cattle 596 lbs.-the Canbadians still holding the advantage, but not by somuch as previously, the daily gain being 1.02 lbs. for the former, as compared with 1.12 by the lat
total gains for the eight months were :-
Homebr.ds.
Canalians.
${ }_{\text {Canadians, }}^{\text {Can in }}$
 extreme case, the experimenter ciams even muc
been verified by many others; more extreme cases are not at all uncommon. As the tro summers mentioned were nature,
the experiment of 1890 , the animals increased 54 lb each in weight from 26 th A Pril to 12 th July, and that in the experiment in 188 the animals increased former case no artificial feeding was allowed on the grass, but in the latter $2_{1}^{2}$ Ib. cotton cake was given. When killed, both lots showed almost the
same percentage of dead to live weight, although same percentage of dead to ive weight, although
the cattle in the experiment of 1890 were much fatter when put out to grass than those in the other experiment.
An editorial in the Scottish Farmer, in referring posed to argue against the importation of Canadian cattle, on the ground that home-grown are more profitable, have clearly some form Mr. Ferguson has toccomplished. As an advanced atriculturist, Mr. Ferguson holds a high place in the esteem of his fellows in the North. ever to belittle their significance ${ }^{\circ}$ heartily com."
our readers."

Chatty Stock Letter from the States. Top native cattle 86.45 , being higher that two weeks ago, and 45c higher than a year ago. The
 $\$ 5$ two weeks ago, and $\$ 6.50$ a year ago. Best sheep,
$\$ 3.50$, against $\$ 3.90$ a year ago. A Kentucky distillery feeder bought one lot of of $\$ 3.10$ per 100 lbs
Ohio and Pennsylvania farmers have been buy
ing rather freely of western store cattle, and have ing rather freely of western store cattle, and have shonverting into early beeves,
con
and
heavy this year. heavy this year.
Combined receipts at four markets, the first ten months of 1894 , with comparisons:-
$\substack{\text { Chicago } \\ \text { Kinasatity } \\ \text { Omaha }}$

## 

 The combined receipts at Chicago, Kansas cattle, $1,027,02$ hogs and 52,951 sheep, atainst orres ponding month last year.pondes ander Stevens, of Aberdeen. Scotland, who has been a prominent buyer of coachers and speedy
road horses for export at the Cion Stock Yards road horses for export aft recently for home. His
the present season, left shipprents average a car load about every ten days
and on his homeward voyage he takes with him an and on his homeward voyt ofe hretters.
extra choice constret, which recently was so badly
The horse mark demoralizod with excessive receipts, has improved in tone and somewhat in prices.
common horses have few friends at this seasson of common horses ideness and dear feed.
idieness ind a pretty tough tale about a Kansas farmer buying 100 head of unbroken plug ponies for
 this season, but this surely is a new kind of a hog
feed, even for hard tines. articles are shown below

The above prices sthow a marked reduction in
prices all along the finue.
 last month wid
ber and 20716 Cos
Octor
Average weight of hougs at K ansas City last
month 308 lhe month, 208 lbs , the liepthest October on record; than October. 1ses


40 lhs lighter than
the averae was $2 \pi i l l$
10
The light average weiught of the hoss shows very
The aver
The plainly that farmerss have meen saving her farke
 halit-starved piges
Western
Western range camulthe have been coming later
this season tham usuanl wind in the main they have
 were included amounump hate arrivals. Some large Sts of 1,100 and Lise
The first tem memonths off this year Chicago receiv
Thit The 1886. The first tem minempins of 10.

The Texac cantilin urame is in unusual condition. vears demand in that stunt yor ces of the demand, as Years old or over, is war in exheaper than usual. However, notwith tampling uther good demand, the

Rations for Pork Production
In the Farmisis Ammecate for October 15th an ilustrated articie wisk puabins regards fat and lean,
 mainly of corr-mean, Experiment Statiom. On another important poin
suggested therebon Prof. Henry writes us as follows

 of shorts or cemm will produce about the same weight of increase. Im gemeral, it will take five pounds of corm ef fine peounds of shorts to make one
pound of increase. live weicht, with hogs. At the



 words, a combination of whe two fove $I$ have spoke

 time to time". Madison. Wis, Oct. 3n, 1894.

The Late Proi. Stewart
The anmouncermemn fof the decease of Prof. E. W. Stewart will be recerived bs many of our readers, a,
 own day and gethertation. in \& faithful and unsenals by which he lhe become most widely known, wil
long be used as winn moutherity in feeding stock of iny sort He died an hivis residence in Erie Co.... Y.
in his isth yeant. antuer many years of suffering fron in his istin rear.
spasmodic asthmia.

FARM.
Canadian Bacem in England-W
 the hog questiom. beaween Nricti. . further

 comp been floodeded wioth letters from bacon curers, in-
har
for of hog, vizz : llomp. lean sided hog, not too heary for the export urude two the onerative prices are the
 their part towsand mpaccuring the breeding of such
hogs? MI opimiom is that the to not. Let the
Mo to encourage fiampurs to breed the desired hog, and they wiion forthraming in ine Times (London, Euy.)

= sizable hoes and fortifies us farmers in demanding





 Py Pigs outside these limits at their value
Half-truck-12 pigs. Whole truck-25. Charles \& Thomas Harris \& Co., Limited, Calne, Wilts. For many years the Harris's struggled to con-
vince the farmers in their district that the public taste demanded lean bacon anove system of grad Eventually they aucceeded very well. In Ireland, believe, the curers have done something similar, and bave succeeded in getting the right hog: so can the
canadian curers, if they adopt the right plan and Canadian curers, if they adopt he right pan an pay the farmer a better price for a better hog
irrespective of breed. To farmers I will say this
iry "Try and meet the curers in a business-like way
" by producing the hog to suit the market, for un doubtedly you cannot produce the market to sur yo jour hog. Johnave what he is willing to pay for o some other fellow will purket. which is a very good one, as the prices quoted prove; in fact, the having of a Canadian quotation reflects great credit on cu curers and also on the farmers, for it places ou
produce amongst the first-class, nearly $\$ 2$ per produce amongst the frst-class, nearyition well worth retaining. Times are very hard on th farmer: competition is very keen all over th
world: we have the bottom knocked out of bee trade, ditto the mutton trade, and now we hear of the creamery butter trade getting a set-back by the
buyers knowing what suits John Bull better than buyers knowing what suits John bund ben, Guelph.
himself."

Gleanings from Institute Reports

## "The Care and Managemfnt of a Flo

Sheep to Make it Profitable.
There can be no cast-iron rules laid down. We must be governed more or less by our surroundings whether in summer or feed in the winter and sell deper. The time to breed as foek and other things are suitable for early lambs or not. In establishing a flock of sheep, the first thing to do is to select a good even flock of ewes, uniform in character and of good size of their ki. The ram when in use should a good, wed from the ewes, either by day or night, and fed regularly with a little bran, oats and cake. sheep should pasture becomes bare. A frost-proof building is not necessary, but one free from draughts, dry and well bedded, having a good wide door to hinder any danger of injury to the pregnant ewes
from crowding. Fresh salt and pure water should be in constant supply, and plenty of room for exercise is very important. For winter food, green cut, well-cured clover hay and pea straw is ald have a breeding ewes require. ration of grain and roots through the winter small
to keep them growing. If lambs are to come early a specially warm have light feed of grain daily for a couple of weeks before dropping their lambs. Lambs at four weeks old should have an apartment of their own into which they can go and feed on
crushed oats, pulped roots and cake and a nice bit of savory clover hay. Dock and wether the lambs at from two to four weeks old. Shear the ewes and dip the whole flock before going to grass. In
summer rerr little attention is needed. A constant sumply of salt. free access to pure water and an occa sional change of pasture is about all that is neces sary. Provide for bare pasture by sowing a piece
of vetches to mow and feed green. Wean the lambs of the beginning of July or August, according to age, and have a supp Nape sown among oats in the
as early as ossible. Rap spring will furnish a goon the crop has been taken off. After weaning time cull out $\because$ old cronies", and unsatisfactory breed ers, put them in shape for market : also select those to be kept on the farm, and those for sale to breeders.
Trim them all up nicely and give buyers their choice. thocihts worth repeating. "To be a suceessful fakimer, three things must be
observed, namels. economre, industry and content ment. - Now, one of the greatest evils in existence, and that annually destroys the prosperit
of thousands of the farmers of this Province, is the credit ssem, which has been and is brought about
from the lack pick cut any man who adopts this ssstem, and in
nine cases out of ten, you will find him a hewer of
wind wood and a hauler of water for the term of his
natural existence. .
 2vemew $\pm=4$ $2=2$


|  |  | When Should Cows Come Into Milk ? <br> We say in the fall, as regards the majority of he herd, preferably the months of September and October. Of course it is recognized on all hands hat to make the finest butter it is ad visable to have fresh cow in occasionally throughout the year. However, this does not affect the general statement aterially. <br> This article is called forth mainly on account of he growing idea that to suit the cheese factory he spring or late winter, and others follow this old system because everybody does so, or because of fresh in milk when they come to grass. I propose give ten sound reasons in support of my opening $\qquad$ mik and make more butter during the year. Ex- perience proves this. If cows come in in the fall few months, and when the season advances and is in view, and will give an added impetus to the milk flow. On the other hand, the spring cow will winter approaches. 2. The cov will milk longer season. Eight and nine months' cows no longer fill the needs of the dairy. Much of the protit of any herd depends upon the ength of the milking season, and if, when the be put upon grass or other succulent spring fodder, the tendency is to prolong the milking period, which should not he less than ten and a-half or eleven months; in fact, I am not sure that it is a necessity to have cows dry at all. One thing is certain, the short period of milking now in practice in many herds, is a large leak, not being for the presen only, but for the future, as our next point will show. perpetuate these qualities in her offspring, and they will be best and most lastingly cult to look to the calves is a slow way of making money by dairying, intensely practical point in the whole range of the management of a dairy therd. calf when it is the heifer, in milk, and the first principles of succcss are established-the calf is the mother of the cow. 4. The fall calf is the stay of the dairy. I take it as a principle not to be gainsaid, that must maise who would own a high-class dairy herd, mutal his own stock. More time to attend to the calf: more suitable weather: no flies; no sour mily good grass when most it needs it, viz., when the good grass when most it needs a better calf than the spring one. It will be remembered that butter was worth 8 to 17 cents in the best markets of this Province this summer, due to two causes, - great quantity and summer, duality. Our fall cow will give us most butter when we have most time to see after it, and when it is worthmost, whitory if desired. If you do not wish to make up the butter, send it to the winter-cream- ery one of the most valuable institutions of this country. 6. Less labor in busy season. Hot weather, busy times, aching backs, switching tails, empty pals and parched pastures go much together. Cows dry in July and August will immensely minimize these troubles. 7. Cours dry during July and August. Grass has failed at this season, and is little better than straw. If the cow is dry, at all, this is, we believe. the best time. We find. generally speaking, that the best better looked after in winter than at this cows are On scores of farms which we have visited period. this summer, no preparation whatever was made for the feeding of the cows at this season, and the result has been dried-up cows, closed factories, discharged hands, discontented farmers and profits setting, this will mean a great saving of ice. in the form of 9. Cherpand cffcctive vinter ferd, ensileye, enables us to feed milch cows cheaply at Lack of cheap winter food was considered a drawback in past times. 10. First-class Euster reuls may be made from me steer calves, which always find ready sale at good prices-yes, at prices which the owner of the same steers a year later would often be glad to get Earis marketing is the order of to-day. But I hear it said that this plan would not suit the cheese factory. Would it suit your pocket? Except for a short time, when the rows are dry, one may patronize the factory as usual and avoid the diffi- culties of making butter from the milk of cows that have been a long while milking, as with spring cows, after the factory closes. Inshort. this system is at the basis of, the establishment of our butter on first-class markets. Of course, the practice recommended means good stables and suitable milk-houses, but these are not unavailable. If the system commend itself, it will be necessary to mate sye cows accordingly. |
| :---: | :---: | :---: |

QUESTIONS AND ANSWERS.



## Legal.

READRR:-" $B$. agreed by contract in writing to
ork for $A$. for two years, the wages to be $\$ 80$ tor


 sent to let B. EO. B. B. Was paid on account of his
wages, $\$ 10.5$, and A . now refuses to pay B. the
 work for the balanae of the first year, and charge the wages to B., and then, if any thin, is coming
o B., he will pay him the amount. How much is B. Regally wintited to, han how cant he cowlect it?? iB. contracted to work a whole year, and having
broken his agreement by leaving, he is not at law broken his arrement by leaving, he is not at ai lam
entited to ocolect any thing. The offer of A. Appears to us a very fair one.।
耳iven by A to B. which matured on ist July last: payments to 0 . of monery owing by B . to C . and on the express agroemenent that if the note was not paid The note masurity not paid was to A ., and G . C . did not not give The not was not pain ty A. and october. Canc notice orn neipl B. to pay the money owing to him by
now
IIf the note was only endorsed to C . as collateral
secirititas as apears to
bo the case, then securite. as appears B . to pay the money, but it id C . actually aceepted the note as payment of his debt,
then C . would be compelled to to look to A . alone tor the money, and B. would be released on account of not having been notified promptly that the note was not paid by A. Fire guard.
FIRE GUARD.
BARNSLEY, Man.:- "If A. goes to burn a fire guard round his hay stacks, taking three men with and the fire gets away and burns hay put up by B.
-without a permit, can B. make A. pay for the hay?" get away from him. But in a case of this kind A. would be neglige
able precaution.
IN RE PROPERTY.
Spring inield --"A. being the owner of an estate for life in certain land, assigns a. for a term of years, and before the term of years expires A. dies, and D., the present owner, requires (. to leave the property. B. claims that $(\mathbb{C}$. madé repairs on the property to
the value of $\$ 15$, for which amount he gave $C$. credit on account of rent, and B. now seeks to recover this amount from D. 1. Can B. recover this money from $D$. 2. Must , give Bp crops, if any, and after giving up possession of the property, C. may go upon the land again and remove -

Veterinary.
A T. Dele.in :-" Please prescribe a good purga-
tive for a horse that has worked hard all summer with very little grain " Horse is not doing well." bran-mash diet for sixteen hours, give a ball com post, as follows: Barbadoes aloes, seven drachms;
calomel, one drachm ; ground ginger, two drachms; calomel, one drachm ; ground ginger,
soap or syrup, a sufficient quantity.

Mrs. McDosald, Kamloops, B. C.:-" My poultry seem get dark about the head and combs,
them ; they
while sometimes the cock-birds seem to have croup while sometimes the cock-birds seem to have croup in the in color they generally die. I feed best of wheat; give sulphur once in a while, keep clean
water before them and keep the house clean water before them and kee"
Your chickens have probably been late in moult-
1 Yourg have caught cold during that critical period. ing and have caught cold during that critical period
The dark color of the head and comb is an indication of lung disease, as well as of several other ail ments of poultry. According to your statement
your poultry-house and roost are kept clean, and would advise you to exclude cold draughts and a
the same time provide proper ventilation. An ex the same time provide proper ventilation. An ex advise giving a ration of cooked food once a day
(iive sick fowls twice daily a pill, the size of a large pea, composed of soap, sulphur and cayenne pepper

## Miscellaneous.

 Where and when is the ontario Poultry Show to be
[No. 1. We wold refer Mr. Dyment to the
Questions and Answers Department of the AD
 cate, Juy has much to do with whether a taint is
feeding raduced in the milk or not. We would say that
prop




 often answered one way and another in is no
columns. We would say, in short, that there is
" best breed," under the many conditions possible. Cbest breed," wouder the many conditions possible
Much depends upon selection and care whether Much depends upon selection and care whether wise. 4. If you mean a poultry standard of perfec tion containing score cards of all recognized bree, o by obtaining three new yearly subscribe]
FARMER'S Advocate at one dollar each.]
A HINT TO POULTRY BREEDERS.
"B. C." writes us, asking for the addresses of
reeders. of Buff Cochin fowls in Manitoba and Ontario Advertisers would do well to note thi fact and let people who want to buy know what they have to sell. He
and hen of this breed.
The American Standard of Excellence gives the weight amarantus albus.
Peter Lamarsh, Wheatly, Ont.:- You wil find enclosed a sprig of weed strange to this locality Pecome troublesome to farmers
[We find the weed to be one of the members of the pig weed family, Amarantus albus. In the green state it bears greenish and spreading. It is commonly seen growing on roadsides in many
parts of Ontario.
With ordinary cultivation it is parts of Ontario. With ordinary cultivation it
not likely to become very troublesome. It is of an not likely to
nual duration
We received a similar sprig from a subscriber in
the vicinity of Princeton, who asks if it is the "Russian Thistle." The seeds of the specimens sent of the "Russian Ihistle."]
Geo. G. PICKETT, Oak Point, N. B. :-"I hav lately purchased a farm on which there is a vas
deposit of black mud, about eighty rods from my barn. Will some of your readers kindly give their experience in handling it other than using it in the stable? should be used, say to fifty loads of mud? How
long should compost stand before using? The delong should compost stand before using? The de-
posit is very deep and very black. Any information posit is very deep and very black.
on the subject will greatly oblige?

THE SLAUGHTER OF DISEASED STOCK
ment make any compensation for the destruction of cattle and horses suffering from any contagious
disease. If so, how much, and what would be the proper steps to take to obtain it?
[Under the Statute of the
IUnder the Statute of the Dominion of Canada
especting "infectious or contagious diseases affect ing animals" it is provided that a person having any cattle, sheep, swine or goats, on perceiving the appearance of tuberculosis or certain other infecMinous diseases, of Agriculture at Ottawa of the facts discovered by him, and if the owner neglects to give the notice he shall forfeit his claim to compensation, and if the owner fraudulently or maliciously con-
ceals the existence of the disease, he is liable to a penalty not exceeding two hundred dollars, and he is also liable to such penalty when, knowing of the
disease, he brings such animal to any fair or market or sells such animal or any part of it.
dise
It is also provided that the Governor-in-C'ouncil may cause to be slaughtered animals suffering from
such diseases, and which have been in contact with such diseases, and which have an animal suspected of being affected with such diseases. And compensa-
tion may, by the Governor-in-Council, be paid for tion may, by the Governor-in-Council, be paid for animals slaughtered under the provs, one-third of the value of the animal before it became so affected, not to exceed twenty doilars; and for other and
so slaughtered, three-fourths of the value of the animal, but not to exceed, in case of fifty dollars, or in thorough, fifty donars, or in the case of and fifty dollars: the value of the animalin Minister of Agriculture or some person appointed by him.
It is to It is to be observed that the compensation, if paid at all, is only to be given after an o
The machinery of this Act has not been set in
motion in relation to tuberculosis, the Government refraining from starting a staff of inspectors upon As respects glanders or farcy, a disease affecting
horses, the Dominion Department of Agriculture has now no administration, that, having heen Ontario there is no provision for compensation
the Government in case of animals ordered to b slaughtered under the provisions of the Stat ute, hu
provision is made tor giving power to municipa
councils to indemnify owners.
J. H. SIEFFERT, North Bruce, Ont.:-"Please let me know through your valuable journal: 1 st, which is the best time to dehorn cattle? 2nd, is it profit-
able to have it done? and 3rd, what kind of a machine is best to use? Answer at your carliest onvenience, and oblige. 11. The substance of all the evidence taken by the
ntario Dehorning Commission was to the effect that, in order to rapid recovery, heat and flies should be avoided in summer, and also cold, rain, wy many witnesses as the most desirable season,
while October and May were also mentioned. The whin thing is to secure the suitable conditions, aviding the extremes mentioned. 2. Dairy farmers horning extensively, appear to unite in commending the practice. The recommendation of the Commisformed with reasonable skill and proper appliances. 3. In performing the operation, the animal siould be securley fastened in a strong stanchion or otherwise. Some use a good sharp, fine saw, but
we find the testimony of a large number of men, on the strength of actual experience, to be most favorable to the use of what are called dehorning clippers, with which the work is done well and
instantaneously. We direct the attention of our nstantaneousty. the advertisements of Mr. S. S. Kimball, Montreal, P. Q., and A. C. Brosins, ochranville, Chester o., Pa,inh commended by of their clippers have been of Moosejaw, N. W. T. writing of the former, says: "I have used your
dehorning clipper on 1,125 head of cattle, and it worked splendidly" Joseph ays: .'We We have de daho, writing of the wa with them this
horned about 1,510 head
hey have given the best of satisfaction."
APIARY

North American Beekeepers' Meeting. The N. A. Beekeepers Association held its 25th attendance was good in spite of the poor honey crop and dull times. After the reception of new
members, a better acquaintance of those in attend ance revealed the fact that beekeepers were as rule generally engaged in some other ine of occu
pation, mostly farming. It was recommended that pruit growing and heekeeping should go hand-in hand because the fertilizing of fruit blossoms much aided by bees
There were man There were many practical ideas brought out in
the papers read. Without going into them largely, we will recite a few of the most outstanding points:Beekeeping is only made a success when carefull
and intelligently pursued. A method of inducin large honey yielas is to feed the bees sugar in the spring and up till the honey harvest commencss,
This induces the bees to rear large quantities of This induces the bees to rear large quantities of
brood and fill the comb with food, so that when the brood is brought in there is no place but the sec tions to place it in. Discussion showed that stimu lative feeding should only be done by experienced
beemen, and then witl good judgment. If the rearing of brood is thus forced too early, an un timely cold spell may chill the brood and leave the "olony in worseshapethanifnofeed "Dongy (rop," by advocated the development of home markets, and when a home market has been developed, those sup plying it sho necessary, honey should be bought in order to supply customers. The question of the most suitable packages to be used was gone into.
Glass jars have the preference, as their transparent Glass jars have the preference, as their transparen
nature shows off the honey to good advantage. If the honey candies, it may be liquified by placing the vessel in hot water. For shipping honey,
and 60 lb . jacketed tins were reconmended.
A new disease, bee paralysis, is doing consider able damage in some parts. Effected bees become
bloated, dark and shiny. They crawl out of the hive and die and shiny, Tround for sometime before they die. Many remedies have been tried, and anong the most efficacious are salt, sulphur change of I diseased queen will often effect a healthy swarm,
and a healthy queen will tend to restore a diseased swarm to health.
Colored beeswax can be restored to a beautiful
yellow by remelting it with comb containing large Some sweeping changes were made in the constitution of the Association, especially in droppinga
lot of useless by-laws, and in agreeing to furnish lot of useless by-laws, and in agreeng to furnige,
each paying member a hee journal free of charge,
a plan resorted to with great success in this country. The next annual meeting will be held in
Toronto. The following officers were elected :Toronto. The following officers were elected.
President, 1. F. Folterman, Brantford, Ont. : Vice-
President, L. I. Sitison, York, Neb.; Secretary, W. \%. Ilutchinson, Flint, Mich.: Treasurer, J. T. Cal-

The Experimental Union-Annual Meeting, December 18 and 19.


November 15, 1894
THE FARMER'S ADVOCATE
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## POULTRY.

## Poultry on the Farm.

I used to seize MRS. IDA E. E. TILSONA. concerning poultry culture, very much as I did which I began to receive with some reservations, was the often-made statement that old hens moult
later every succeeding fall, and should unreservedly later every succeeding fall, and should unreservedly
be sold off before winter. P. H. Jacobs, of the be sold off before winter. Pl hens' best friends, says they moult earlier and earlier, year by year
(the oldest before pullets or yearlings), because a (the oldest before pullets or yearings), because a
feather coat lasts only eleven months, thus bringing the moult about a month earlier each season. I bought a full-blood cockerel, two years ago, which did not get his mat year. He certainly moulted in Sep
till in October last
tember ; this year in August. Experienced poultry women, whom I have questioned, agree with Mr
Jacobs. It is a scientific fact that the bird tribe Jacobs. It moulting. Some species change twice a year, others in a longer period than a year, and few get their adult plumage at first feathering
While my own careful observation leads me also to agree, generally speaking. with Mr. Jacobs, I can
parallel the experience of Will Cook, in London Poultry, who has seen different fowls moult all the way from March specimens would be rare, Septem ber to November, inclusive, being the commones
time. This warm, dry season fortunately enabled time. This warm, dry season fortunately enabled
my hens to clothe themselves early. Though I my hens trial, thincture of iron in their drinking
know hy tring
water is good on such an occasion, for helping to forn their plumage, I prefer to use livers, chopped linseed meal, a little red pepper, and bone meal in
their puddings. Dr. Weinland found the lighter color of dead, dry feathers, due to absence or drying up of their plumage, therefore, calls for some oily material The tables of food analyses, sent out by governmental or other chemists, are good reading.
never knew before that most of the lime is taken away from milk when its cream is, and though
skimmed milk is valuable, especially in feather and frame building, is not so strong as supposed. I do summer, but expect eggs then and always.' What carries hens successfully through their moult, will mature pullets and start them laying. And hatch, moulted a full month apart, likewise two sister Wyandottes. In each case, the one always stronger
and larger, clothed herself first, probably because and larger, clothed herself first, probably because as a pullet she got her complete coat sooner, and general rules for moulting are greatly modified by
weather, food and breed. The practical lesson is this : if you keep hens over, retain those moulting this : if you keep hens over, retain those moon cold
early, which will probably get to laying before cold
weat and then keep it up. Those not changing weather and then keep it up. Those not changing
till later can be disposed of. In the fall cull the flock. much air on your half-clothed hens, as the first cold weather seems strange and pinches most. Behot and panting, is no reason why we should, in progressive coolness of night times. Have winter quarters ready promptly. A young man at wood sides formed by pig-pen and granary respectively,
and the rear by barn. The front was exposed to and the rear by barn. The rontwas exposedse,
the south, and in this ingeniously placed house Dr. Curryer, the Assistant superintendent, was telling ine they would get few eggs at her own place, in winter, if stakes of hen-house, and the space
along back and sides on
between latter and stakes filled with a banking of straw up to eaves, a banking that could be carried
on over roof in a climate where snow lay and did on over roof ind thaw. I afterward saw a house With its old straw coat not taken away in summer To make the place shady and cool, I suppose. I
often said I wished I could take up the straw stacks a way out in the fields, doing no good, and put then around some of the bleak hen-houses, and get the
biddiies out scratching. One man said he liked jus
half my idea, and would act upon it to this extent bidines out scratch would act upon it to this extent:
half my idea, and
he should build a hay or straw stack behind or flatter himself that, on his windy prairie, the het waterd get out and scratch the straw much.
recommended a scratching shed, too, which he wa recommended a scratching shed, too, door to hous
already planning. Let the large dor
proper, be under this shed and sheltered by it, and if in a very cold locality, entirely enclose shed
cheaply, of course, making it mostly windows. To
co when they cool off as fast, in proportion, as they
warmed up by day. Sunsine burning through
wit warmed up oy, or filtered through a dirty one is no
clear window
equal to the pure article. Hence I prefer an open equal to the pure article. materity of the window
shed, in which are the mare
rather than in the house proper, unless shutters ar rather than in the house proper,
used, as on one comfortable building I was taken to
see. A pleasant feature of my trip was the drives
I had and the things I was enabled to see. When see. A pleasant feature of my trip tase. When
i had, and the thing I was enatled to see. Whe there I
asked whether I would like to wo here
could always make truthful answer, a like to go could always make
ever where, and
isifill hawledge.

## Marketing the Turkey Crop.

There are two very important points to be con-
sidered by the individual who means to make a sidered by the individual who means to
profit out of poultry. Both are equally vital to success. One is to raise the crop; the second is to first as really the easier. So many things may spoil a market and the in have learned never to anticipate. I build no castles in Spain with the chicken money till it is actually in my pocket (then how
yuickly it burns a hole out!). A glut in the market a spell of soft weather, a wreck or a few hours delay to a consignment $e n$, route-all matters one cannot control-make profitable marketing more of a risk
and quite as much of an anxiety as the maturing of and quite
the fowls.
In the first place, it is por business policy to send off a lot of thin, half-fattened poultry
whether chicks Whether chicks, turkeys or geese. True, there are
the hazards mentioned above to be taken into consideration, but even on an over-stocked marke plump birds, if medium weize the skinny, under-sized ones to make it an object to feed well; while if the market chances to be good, one is well rewarded.
I put my turkeys up three or four weeks before
I think I will send them off, the time depending a good deal on their condition. They ought to be tame enough, at this season, so that when they are
fed you can catch one and feel how much is flesh ed you can catch one and feen menerally divide my nd how much feathers. the early hatched, largest birds up about the midale
October, and letting the late, undersized ones of October, and letting the late, undersized ones giving market as the poorest, and never ship the givless there is a short supply and high prices,
unt to sell off then.
Some years I have sold my flock on foot to buyers from the city, who come around looking up do best by dividing the flock as stated. The early birds are prime about the second week of November, and there is usually a call for them from that
caterers and poulterers, who pay good prices. That
lot is disposed of before Thanksgiving. While they are fattening I pen them in an unused stable, where roosts have been put across one end, and eery
liberally, letting them out a little while late ever afternoon in good weather. The stable is warm, and they take on flesh fast. I feed them corn at
night; wheat, crushed oats, screenings, buck wheat, nixed, and scraps from the table in the morning, and at noon a mess of boiled potatoes, mashed and
stirred thick with cornmeal, canaille or coarse flour, with cabbage or apples "for greens." I pepper the
mess, and salt it slightly. They have plenty of pure water to drink. When we have celery the tops always go wo the turks, andart a gamey flavor. they get some or it, as both in this way is of superior
The flesh of fowls fattened
quality and I find it pays-financially as well as in personal satisfaction to work up a reputation for sending well-fed, properly killed, aresse couple packed poutry pound on a " way down" market. The French method of killing is preferable. The
throat is cut and the bird hung up to bleed ; the throat is cut ang thiter. Where the axe is used and the head cut off the victim should not be allowed to futter about on the ground, bruising its
flesh, but be held firmly by the legs till its strugges
are ory picking is now almost universally practiced The poultry keeps better. It is very rapidly done
and without breaking the skin, by taking the and without breaking the skin,
feathers between the thumb and fingers, and giving a short, quick jerk downward. A bird whose skin
is torn should be considered unmarketable. As for dressing and packing, the customs and regulations
of the market town should be learned in advance and both processes conducted accordingly. miffer
ent cities have different ordinances, but in mot of them the sale of undrawn poultry is forbidden by
liaw, and this is right, for the thought of eating poultry in which the crop and entrails have bee
left for hours, undergoing a change which evolv poisonous gases that permeate the flesh, is horribly
repugnant. Find out and observe the regulation of the market you propose to sell in, and avoid an
appearance before a police court. Iny commission house dealing in poultry will forward a circula
detailing the accepted modes of packing and dress ing on application.
it pays to take pains about it. After the fowls are ressed and nearly cold, hat still pliant, bend th a hroad hand of cloth, and pull the skin down over
the neck and tie it; this not only makes it look better, hut prevents the bood from staining the
others. When the fowl is stone cold, but not
frozen, remove the band and fold in a soluare of irozen, remove the making it as square and compact
white cheseclochat the shape as intact as you can, and packing solidy.
Mark plainly with the name and address of your commission house, and the route youtwish the our own name and station. Then, it is a prudent
precaution to stand by and see that it, getsoff on
the train all right. A careless agent whe delays to

market, and let the huyer take the risks of shipment,
mut
, find but I find a nice lot of birds, in shape tor yuteck
trinsmission, will always have the call above an ordinary lot. The seocond fiok I feed just enough to keep them
good condition they have made their


 veights sell feastest. people are suspicioins of a very

P always keep a close watch of the poultry mar-
ket and read everything relating to supply and demand in the farm papers, and often get valuable hints in reference to the future course of the market.
Geese are in most demand at Ohristmas, though here is a fair call for them after the first of November. They are great favorites among the jeess hortening. They are handled much like turkegs, so far as feeding, packing, etc., are concerned, but
require more soit and green food. The French require more soit and green food. and keep them ery closely confined. V'ery few geese come to market, compared with the other classes of poultry, as their
lesh seems to be too strong for the average palate.

## GARDEN AND ORCHARD

## Horticulture in Nova Scotia

Among the various provinces of Canada hut ne movinge as yet cann bast of having organized
and sustained an efficient school of horticulture. Nova Scotia can now claim the existence of such a school, and can westify lint having been The school was organizeed dy the Nova scotia Fruit



 the Provincial Goverument for the carrying on or
the school. The location was settiled upon, and the


 institition. Leeture rooms were secured, fatorau
 ally opened January 9 hi, with an ening
sixt $y$-five students in the irst yents work.

 work, and diplomas leaning twa peroposed The course
for those comp pleting the full tho yours
 theoretical I:spect, comblining with it the necessary
 what the academy and business college courses are
 immodiate vieinity, in all stages of developpent:

 house work culling, potting, treating of insectas application to fongois grow hhs These, with the many other practical points, are taken "!
The tuition if free to all stadents. The school eara enexlent opportunity fir the farm hoy to

 Association: which now numbery over one thousand
 lise Assocaterin yent patt of the $P$ Province, discus: sing hort tenlure in its applitation th daterent dis streng thened the Association no th in member.

Revaral ing the possibilitites of the llaritime


 in pinss, peaches, pears sund appless. The peatimate


 have been orite and plum nanapards.
out young apple
The markets for the fruit oroture are mainl




THE SUPRIZE PARTY
Thay have boon havin suprize partys round hareal wintor
 Samathe.tot ototo oce.


















What the worlatiof begon to say in wild amaze



















 titrectota, wint his coat tand vest oft. Josian wase jest speaken

 eated br Buesy Yototot Josiah, so wilit with horror and

























 | somen one dian |
| :---: |
| thenext weeks |

TIS SWEFTTO FORESIVE. Tis seovet be




When onicicooty


 Tho bein suritad
Ts harr, and bad.
And when nide thimhles Hom can te iorld









## 

Remember Your Clother, Boys
Few men have expressed in more exquisite
hanguage than Macaulay the affection which ever good man feels for his mother. "Make the most of it While yet you have that most precious of al git its,
loving mother. ,Read the untrathoned love of those
 inexpressibe love and gentleness lavished upon you
which none but a mother bestows. Often do I sigh in my straygle evith the hard, uncaring world, fo
the sweet, deep sincerity 1 fell when of an evening

 of pare at niyht.
we laid her beside yet still her
her eves watc her eyes wath wer moe
hallowed to he memmery

MINNIE MAY'S DEPARTMENT
my Dear Nibegs:-
A few days agoo received a letter from one of $m y$ nieces , ma so much pleasure that winter, and have gave will be interested also in hearing ${ }^{\text {pernhe of }}$ its contents. 1 have so often wished to to know yore of the daily life of my large and grow-
knd
年 ing family, and 1 ame sure the neeces woud be
pleased to know more of each other. From shore to shore of our great Dominion, from the Eastern coast where the billows of the Atlantic rear their
white heads and roll in in upon the shore westward white heans and roll in upon the shore; West ward,
until we reach the mountain barrier of the $R$ Rockies our homes are seattered; ; some in the towns and village, some far out upon te praite, and others country. Now, why may not your relationship to each other, and to me, be a bond of union between us? Write to me, and tell me of yourselves, and your letters wimbe desire. A column of this nature may be made interesting and profitable to us all by means of hearty co-operation. The mother who has brought up her experience which will help the
hints from her young mother in her unpracticed efforts to guide
and train the young life entrusted to her care. The able housekeeper can tell us of her system of
regulating the affairs of her household-how she manages her servants; if she can afford to keep them, or if not, how she arranges her time in order to accomplish the most with the least strain upon
herself. Then, perhaps, some niece who has deft and nimble fingers, and a ready faculty for adapting new ideas, will communicate a few of them so that
we may know what to make for we may know what to make for little presents to
express one's love and remembrance for a birthday or the holiday season. Those who have the care of invalids or loved ones upon whom time has laid his heavy, numbing hand, will welcome gladly any love. We all know something which will be of benefit to others. Why not make Minnie May's Department the means of sending it out into the
world to help someone, even it if be in a humble way. A sentence from a French author occurs to me in this connection, and is in substance a an individual advantage, but a present made to the earth; everyone inherits it because everyone suffer or profits by what it has accomplished. Genius is great distance . the man who bossesses it is only the rock upon which this lighthouse has been built." pon few-possibly upon none of my nieces-has possess at least one talent, which may serve to send
pert its light a short distance, even if it may not be seen har orf. Write to me of your difficulties as well a nabled to help each other. I would like to mak this a leading feature in our paper in the new year which will so soon be with us, and now that the hear from you on any question in which you are But I must not forget the letter to which I referred of "While, in Vancouver, the doctor on the 'Empress the ship. It was most interesting. The trip to are armed in case of war. They have Japanes
a plants, and we saw cunning little Japanese dogs. this climate so cold. The weather here has been charming,-lovely blue skies and warm days, with no need of a coat, although some people will persist
wearing sealskins. The sun is quite hot, and the flowers are a sight to behold ; fuschias grow to the size of bushes; hedges are formed of white and yellow daisies; hollyhocks rear their heads to th honeysuckles festoon the walls, and roses ar growing in abundance even here in 'Frisco' the last week in October.
"The Hopkins Academy of Art is well worthy of to the interior, which is a perfect marvel as regard the woodwork. Each room is finished in differen woods. In one it is white maple, and embroidery Another is all in rosewood, etc.- the most costly inlaid work you could or could not imagine. is said that in none of the palaces on the con
tinent is there anything to surpass it. It was built linent is there anything to surpass it. It was buil
for Mark Hopkins, who never lived to come into it He was originally a retail merchant, but made his money in railways. He died just before its com wards his widow married a young man of thirty while she was seventy. At her death nearly all the fortune passed to her husband, and he donated this $\$ 5,(100)$ a year for five years towards its support. night, had of course, we had to visit Chinatown through. There was a pariy of six, but I was very side of China, and the inhabitants are a low class of Chinese. We went into an opium den and saw
them smoking the opium. and had a whiff of it. The odor is very pleasant-the only one of the large and
influential family of odors that we found pleasant
for we travelled through a labyrinth of unswee
smells. I had to fish out the bottle of smelling
salts, which a friend in need had told me would be necessary, and it was. We alloo visited the Joss House, and had the rather weird services performed shops where curios are sold, after which we looked have a barber shop from outside, where Chinese get braided. Their meats are nearly all dried, such as chicken, hams, cut and dried, and such queer eegetabers. Then we went up narrow, staircases,
black darkness, and to my mind creeping, funt of
ideousness.
One lady hideousness. One lady of our party ran into a che thought at tifsthe the was a h ba sof feathers, never
dreamt of his being a cchink. We went to another dreamt ot his being a 'chink.' We went to another
little alley, where dwells Annie, the pioneer China woman, who is old and blind, and has sixteen cats dried bugs and dried toads, etc., and yet their dried uge live to be ffifty and, seventy yeyars of age.
ptill, the opium habit creates great havoc among people the op
Sthe men."
the men." ${ }^{\text {Now }}$ dear nieces, I hope to hear from wery Now. my dear nieces, I hope to hear from very
many of you, and that letters from far and near many of you, and that let. A Mother's Devotion
All the way through a man's life, be it consumed aloft like St. Georre's banner, undefilied in the battle of life, his mother stands
by him to the last. If he is successful, by im to the last. if he is successsun,
she is proud if he often cast town,
she is she is pititul; if he is wicked, she excuses him. if he dies young, her
hopes are buried in his grave, and she noper areases to dream of what her
never heren
darling might have heen. Others may darling might have been. Others may
love him well, but their love never discounts hers. Others may be proud of hounts buts. she atwerss sits in it the front
row with those who aplaud, and
him row with those who applaud, and catches the splendor of his achieve
ments before it is more to other eyes ment a l light reflected from afar, or
the ne noise of wings that tarry in thei the noise of wingse that tarry in their
coming. She anticipates his triumphs coming. She anticipates his triumphs
and antedates his victories. There is an "I told you so" in her proud eyes
long before men hand in the verdict of his greatness, and all his achieve loving dreams.
And when she dies, when the flutthe last kiss, when the soft old hands have loosened their class, never before removed since his helpesss baby days
when the patient withdrawn their gaze to look their first on God, what loss can overtake a man life like this? The dove that brooded
above the household nest, and kep every nurseling in the shadow of her wings, has winged her filight to Heaven The everlasting love. that no unfaith
nor sin, nor ingratitude could chill destroy, has vanished like the sun from out the sky, leaving only a few faint
stars and a wan and chilly moon to fill stars and a wan and chilly moon to fill

Laugh.
There is absolutely nothing that will
help you bear the ills of life so well as a goo laugh. Laugh all you can. If
the clothes-line breaks, if the cat the clothes-line breaks, if the cat tips
over the mill and the odog elopes with ove roast, if the children fall into the mud simultaneously with the advent of clean aprons, if the new girn quits though you search the earth, with canales, you find none other to take
her place ; if a neighbor in whom you her place, if a neighbor in whom you
havetrusted goesback on youand keeps haverusted goesback
chickens, if the charion wheels of the uninvited guest
draw near when ou are out of provender, and the draw near when you are out of provender, and the
gaping of an empty purse is like the unfilled mouth gaping of an empty purse is like the un hiled mough
of a young robin, take courage, if you have enough sunshine in your heart to keep a laugh on your lips.

The Birds' Lullaby.
 All day we have carolied, and now woull While we swing, wiing,
And wo drowsour tor branceresing,

Sing to us, eedars; the night wind is sighing.


And we drowseor to yourd dreamy whispering.



And we drowse to ourbr dreams sfing whispering

the cat feigning death
Absence of occupation is not reant
A mind quite vacant is a
Yicie is a monster of fo frightrul mien
isto be hated neods but to be been


Dothing is imposibile. There are ways which lead
everything and it we had sufficient will we whould alway


## Somewhere.

Tis alwayy mornins somewhere. ititle heart
Somewhere the sk imever fair antid bue:

Theres.alway hapiness somewhere, sad heart
Sol


The Cat Feigning Death.
Gempt's painting of "The Cat Feigning Death, taking its subject from of intelligence of the most acute of all rat-kind, in the presence of a superior
brain. All the experience and cunning of the brain. All the experience and cunning of the brightest wits among the wary rodents will avail
nothing against the strategy of Tabby, born to be monarch of rat-land. The big. gray rat in fron has already lost his tail in the eteelit trap: this must have been some minutes since, for he has now
regained his composure, and returns with the others, to regard his lost appendage, now no longer a part of his entity. A white and lady-like mother rat, withating them to put not their tuust in the pincees or ost. Kits." Two courageous old diplo-
mates stretched upon their hind-quarters. actually
m. venture to touch the enemy, convincing themselves iscording to all the rules of war that the oppresso
is real. At the riyht met his fate in a cage, and is learredly examine
by a couple of his fellows, who bemoan his impru dence, themselves being, in private and personal epinion. notoriously invincible. The cat sees and hears ail this as the cat is alive, and is painted so
as to look alive, for there never was such
healthy skin on a dead cat.
The etcher, Mr. P. Moran. of Philadelphia, has texture of the animals, the erisp, rich grit of the rough-cast wall. and the
cellar g glum just roken by shooting
and glancing lights.

Recipes.
christmas cake.
Eight lbs. stoned raisines, 2 lbs, curbutter, 31 libs. sugar, 3 doz. eggs, 2 libs.
 cup whisk y, I cup sour cream, 1 des
sertspoon soda. o orit mixed sice
nutme nutmegs; rlour to stififen. This recipe
can be recommended, and will be can be recomme
found excellent.
brown bread.

One egr, 1 pint sour milk,
molasses 1 sman 1 quart Graham flour.

Two eggs, 1 cup sugar, 3 cup butter,
1 cup milk, 2 cups flour, 2 teasponns baking powder.
cosies.
One cup butter, 1 cup sugar, 1 egg. cup sweet milk, 3 teaspoons baking
powder: flour, enough to roll out, but not to make a stiff dough ; bake in a
hot oven. hot oven aple tapioca.
Pare and core 6apples, fully ripe;
set these in a pudding dist, Fill the
 sugar and stick int fhe pup phecoves. fuls of large pearl tapioca: squeeze ad
little lemon juice on each apple, and pour 2 cups of cold water into the dish. If this is haked very slowly for an a delicate jelly' all about the apples: and, served likewarm (not hot)
cream, will befound very good.

A Good World, After All.
 $A$ Ad hope of thins. to be

Soine say this world is a cold, cold world with ith harathstone fries and wari. desire
Aor the thing that are yt

Some ray hit world it a fand samd world.

Ah teatsen onther thitht to be




To be happy at home is the ultimate result of all ambition, the end to which every enterprise and
labor tends. and of which every desire prompts the prosecution. It is, indeed, at home that every
man must he known by those who would make a just estimate, either of his virtures or his felicity or smiles and embroidery are alike occasional, and the mind is often dressed for show in painted honor
and foctitious benevolence.

## A New Game.

AENT BY I. Z. Y To play this game you can either use the checker plete in itself. I will show you how to make it
before describing how to play the game. If you

## 0000000

have tools of your own, so much will be gained : not, you will have to get someone to make part o the game board at least. Get six pieces of wood spare checkers,they will do, but do not spoil one toy spare make another. You must next have a piece of
to mood, long enough to allow seven holes to be put
wors. wood, long enough to allow seven holes to be put (Fig. 1.) This must be tacked or glued to a founda-
tion about $\&$ of an inch larger all round and the

ame thickness as the other piece, $\ddagger$ of an inch. (Fig .) The checkers must be colored to distinguish whole is stained or varnished, it will look much
whetter. You can if you wish., make a lid or better. You can, if you wish, make a lid or
cover as shown in Fig. 3 . It is, of course, the same size as Fig. 2, although it must be a little deeper size as Fig. board having the holes in, as it has to allow for the height of the checkers, and so must
be made about of an inch deeper inside than they

are in height or thickness. If you do not want to go to the trouble of making a board, you can either use seven squares of a paper. The game is played pattern on your slate or paper. The game is p.ayed in this way:- $\quad$ au place
at one end, and the three white ones at the other,
there being a vacant hole between, as shown in there being a vacant hole between, as shown in
Fig. 4. The game is to get the three black checkers to change places with the three white coes, under the following conditions;-1. You must

## N $\rightarrow 0 \rightarrow 0$

Fig. 4
and the white to the left, neither being allowed to move backwards. 2 . You can jump over only one man at a time, as in checkers, making, of course, a
succession of jumps if there are vacant spaces to do so. 3. No piece can jump over one of its own color. Here is the key, showing how to do it, but I would advise everyone to try to do it first without looking at the key, as there is more satisfaction gained.
For the sake of explanation, we will letter the
pieces or checkers and number the spaces, as in Fig.
©்ல்ல்ல்®்ல்
The black are lettered A B C , and the white. 1 . iiI. Move E to D . I . Jump C over E into 6 .

 Jump B over F into 6. Xil. Jump $A$ over E into
XiII. Move E to 2. NIV. Jump F over A into

Answers to Oct. 15th Puzzles.
Imaginatio

## 3-Learn to labor 1-Con-tract -i -on.

The first temperance pledge remembered in cir demnly swear to abstain from the use of intoxicat ing licyuors on all occasions except training days,
wedding days. bancuets and other great occasions.
1 little Swedish girl, walking with her father on a starry night, was so attracted by the brilliancy of
the sky. all lit ip with twinkling stars from one the sky. all lit 'p with twink ing sta quite lost in
end to the other. that she semed to be
her thinking. Her father asked what she was her thinking. Her father asked what she was

## Caring for What the World Says.

 Why will you keep caring for what the world says? Try, 0 try, to be no longer a slave to it from it-it is bliss! All this caring for what people will say is from pride. Hoist your flag and ahide hy it. In an infinitely short space of time all secret thingswill be divulged. Therefore, if you are misjudged, will be divulged. Therefore, if you are misjudged,
why trouble yourself to put yourself right? You
have no idea what a great deal of trouble it saves Why trouble yourself to pul yoursetrouble it saves
have no idea what a great deal of tro
you. Roll your burden on Him, and He will make you. Roll your burden on Him, and He will make
straight your mistakes. He will set you right with straight your mistakes. He will set you right
those with whom you have set yourself wrong.
Here Here I am, a lump of clay; Thou art the potter.
Mould me as Thou in Thy wisdom wilt. Never mind Mould me as Thou ife off-so be it: prolong it-so changing guidance during the trial. 0 , the comfort hat comes from this!-GEN. Gordon

Oliver Wendell Holmes.
The following verses, which are copied from the
oronto Mail, are from the pen of a former AdvoCATE puzzler:
"He rests from Toil. The portals of the tomb:-
Close on the last of that immortal band-":
Co wrete. amida last of that immor imal gloom,
A master-hand.
And now that hand is stilied : no more its toucc
Shall wake the music of the magic string";
Shall wake the
But still its sott st
$A s^{\circ}$.
That good right hand is stilled in on more our souls
Shall be made warmer from it ordial clasp
But yet in fancy though the death-bell tolls, His hand we grasp.
He rests from Toil. The grim gates of the grave
Cliose on the last of animmortal throng-
A band to whom the Blithe-heart Poet gave
A band th whom the
The children's bard who keeps one "still a child";
The friend who oang the shackleso fot the slave ;
The Nature-poet wh
New glory gave;
The sage whose organ-tones men's souls made broad
The singer sweet who softly sang of June ; The singer sweet who softly sang of June
This band has kone to meet its Patron-God
With hearts in tune.
"The last leat on the tree" is fallen now
The singing leaves on have left their parent-bough,
The cheery man who felt himself a boy,
Although his hair was of a sombreyrey,
With mind kept sound by an unselfish joy,
ith mind kept sound by an unselfish joy
Has passed away.
The one-horse-shay of which he blithely sung
Through all its wealth of years was not more strong Than he who kept hisg
And filled with song.
Always a boy!-His age!-Who cares for that
Who says that he is dead are babbling fools
For in tort heartsthe gentle Autocrat
Still lives and rules. Harry Albro Woodvorth.
THE QUIET HOUR.
" Everyday Blessings.
A fter dandelions, buttercups
Then daisies and clover
One
Over and over and over;
And the sweet, satisfying green
Is mixed with them all,
Coming first in the springtime,
Coming first in the springtime.
Staying last in the fall.
Just so God's love is first and last,
Successive blossoms between which He sen

Corn.
Contimued from page
Our cornfields grow and ripen securely unde heavens and whose foundations are upon the arth. They afford to us the most striking evi lence, season after season, of the integrity and
tability of the covenant-promise that, "While the case" Vever once has the pledge, given fou thousand years ago, been violated. Never once in the whole course of post-diluvial history has the ivine how span once has the real treasure been absent from the places where its feet rested; if not found within one horizon, it was sure to be found within another. have occurred again and again, but never simultaneously over the whole world. Whil one region suffered from the effects of blight on drought, favorabe another region. ('anaan wa reduced to a wilderness : but " there was corn in Egypt." But whether the harvest be local general it is to the eovendeblessing. We are apt the ble regard our harvests as things of course. coming th proper reward of our own industry. But it is well or us that they are secured by a higher haw thad engaged in agricultural pursuits is comparatively
rimary all-importance of the harvest. Amid the could subsist without it. We toil and pinch and economize for years to secure a fortune; we have feverishendence built upon the world's riches. But a single unfavorable season will prove to us how precarious is the independence of the most
Well has it been said that, as we independent. Well has it been said that, as we pprosch the seasonsolute starvation. The barrel
nonth or two of abseal is nearly exhausted, and no nc.. of meal is nearly exhausted, and no n
can he obtained, except from the fields can he obtained, except fromit he heavens.
slowly ripening under the patient lowly ripening under the patient heavens. mildew to blight them, or the rain or drought to
prevent the ear from filling, not all the vast prevent the ear from filling, not an the valst stay the terrible consequences. The rich and the poor would be overwhelmed with a common ruin
All the other riches in the world-its coal, iron, gold All the other riches in the world-its coal, iron, gold
and jewels, failing the riches of our golden harvest and jewels, failing the riches of our gotden harvest
fields, were as worthless as the dust beneath our
feet. The uniform stability of nature, and the security of our annual harvests, is one of the most
remarkable evidences of Gol's faithfulness to His covenant engagement. We are encouraged to place more implicit trust in His great harvest
covenant; and, on the strength of that engagement covenant; and, on the strength of that engagement
to offer up continually, so long as the world to offer up continualy, supplication, "Give us this day our daily bread."
Corn is thespecial gift of God to man. There is not a single useful plant grown in our gardens and fields
but is utterly worthless for food in its normal or wild but is utterly worthess been left to himself to find out, slowly and painfully, how to convert these
crudities of nature into nutritious vegetables. But it is not so with corn. It has from the very begin ning been an abnormal production. God gave it to Adam, we have every reason to believe, in the sam
perfect state in which we find it at the present day it was made expressly for man, and given directly It was made expressy for man, and given direct, have given you every herb bearing seed which
upon the face of all the earth"-that is, all the cereal plants, such as corn, wheat, barley, rice maize, etc., whose peculiar distinction and charac teristic it is to produce seed. The Word of Go plainly tells us this, and nature anfords a remark
able corroboration of it. We cannot regard it as an accidental, but on the contrary, as a striking providential circumstance, that the corn-plantal
were utterly unknown throughout all the geologica weriods. Not the slightest trace of them occurs in any of the strata of the earth, until we come to the most recent formations, contemporaneous with man. They are exains are found only in deposits epear the surface. . $\dot{\text { n. . }}$. The testimony of ge-
ology, therefore, confirms the testimony of revelation, and shows that corn was not only specially created for man's use, but was also got ready specially for the appointed hour of his appearance fact that it has never been found in a wild state. Where are the wild grasses which, according to some authors, the cumulative processes of agricul-
ture, carried on through successive ages, have developed into corn, wheat and barley? Reports have again and again been circulated that corn has
been found growing wild in some parts of Persia and the steppes of Tartary; but when tested by
botanical data, these reports have turned out, in every instance, to be unfounded. Corn has never been know as anything else than a cultivated plant. Wheat grains have been found wrapped up
in the cerements of Egyptian mummies, which are in the cerements of egyptianty which the farmer sows at the present day. It is never, like other plants, self-sown and self-diffused. Neglected of All this proves that it must have been produced miraculously, or, in uther words, given by God to of special design, enabling us to recognize the hand of (iod in this mercy. ('orn is universally diffused. It is almost the only species of plant which soil, in almost any situation. In some form or ther rice. wheat, maize. barley, oats, rye, pread to the various modifications of climate-it is pread over an area of the of the human race. it is an cmmuel plant. It cannot be propagated in any other way than by seed : self-sown. it wil ogether. It can only be reared permanently by eing sown by man's own hand, and in ground Which he has tilled. God gave it to him on the
xpress stipulation that in the sweat of his brow he should eat bread. Jan, as a cultivator of corn, raises limself in the scale of intelligence, exhalt. and purifies his nature; and in being a husbandman with glory and honor." |H. Macmillan, D. D. $\mid$ dislik The best remedy for the dislike we feel towards
do ane is to endeavor to try and do a little good every day : the best cure for their dislike to us , is to try and speak kindly of them.

The only way to regenerate the world is to do
he duty which lies nearest to us, and not to hunt after grand. far-fetched ones for ourselves.

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 sharp, on be

STOCK GOSSIP
D. D. Wilson. Seaforth, writes us that he has.
fold one of his
farms and other importation is made. The young inport
 is somethint reall.
want shorthorns.
foed is that to so muck cut, ground, and pulped





 heal hy condition ang domind has been issi





 the carcasses destroyed. Tupprille, writes tha
Capt. A. W. Youns. .








 captured the diploma oro best mane of then Yage

 annual meetings of uns.





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| author, |

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