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WHLIAM WELD, Editor and Proprietor.
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1881.

The present number closes the 16 th volume of this journal. It also completes our agreement with many thoun on with us steadily from the whom vane to the present time. We return you 1st volume to the present continued patronage. We have endeavored to do our duty to you as far as existing circumstances and abilities would permit. The past seventeen volumes must stand as a guide to aid you in deciding whether you deem it worthy of your continued support. Yo who have been with us in the clearing of the forest, in the tilling of the ground, in the introduction o the best seeds' and stock, through the dairy and orchard, shall we still enjoy your company? It for you to decide. Also those who have beer with us at the mgricultural exhibitions and agricultural meetinge, must haye rormed opinio of their own. Hou have Weatern, Western in England, Frarce, the Eastern, Wester and Southern Sta Pron to Manitoba, etc the if no personally, your minds have been with us. In the Home Department the ladies and withren have their pleasant and useful talks. Father Time has removed some of our old staid friends during the past year. It is but a few years at most ere we all must part, but while here let us each aim to do our duty. Remorse and regret will not then tronble us, though we may not always accomplish all we attempt to do. No great im provement is done hastily; it takes a series of years to accomplish much. If we have been working together for a good cause, let us continue to do so. Right and truth will stand the test. Some few have been induced to abarer Farmer's Advocatr every year, but every year our subscription list has boom renewals from before havers who had left and now return to our old subacrin whe past few months. Our energies and our means will, as in the past, be devoted to giving you an agricultaral paper, filled with such matter as we deem most interesting and valuable to you in pursuing the different branches of agricultural economy. We now have better arrangements than ever before for giving you a better illustrated journal, filled with before be procured. We trust that each friend who can do so will send one new subscriber. Remember, "Where there's a will there's a way. You also are cordially in ited to contribate to our journal
The year just closing has been most propitious for the agriculturist, The orops generally have been very good and the prices recolon bave the been highly remunerative. Not only have the farmers reaped a golden rewded with work. Many artizans haverising patrons have been under the of our ad ins ther factories and work
hops, and still have been pnable to ail the im. hops, and still have been nage Wage for all kinds of labor heve very largely increased, and a generat prosperity prevaile. To such an extent is this the case that improvements are being rapidly pushed forward to greater extent than we have ever seen them We truly live in a land flowing with mi honey, and blessed with peace an pienty hint tho
Trusting that each one of you are shaping in the Trusting that each ond that you masy feel grateful and thankful for these blessings that you are now and thankful for these perhaps at this season of the year you might look around you and see if there th bo deserving, worthy but pitiable creatute that you onn cheer or help. Perhaps you have not yet experi enoed the truism, namely, that "it ismore blessed to give than to receive.
Try and do some good act of kindneepe. Fven some of your own family may really deserve
little attention. You are asteward; the more justly you act in your position the greater the ploasur
Wishing you all the complimente of the season and expecting confidently a renewal of your patronage, I am yours respectiflly, THit EnTok,

## our Envelopes.

Each subscriber receives with this isguea plain directed envelope. This is for you to enolone your subseription or the subscription of a new sub scriber. This we find the safest why for you to send the money yourself by pott. Do not leare it
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first and beat supporters of agriculturat progresfirst and best supporters of agricultural progres.
sion. If you are paid in advance use the envelopes for a new subseriber, or to send in some agricul for a new en

Your patience and plucky perteverance has given to Canada a first-class agricultural paper."-
SAMURL WILMoT, Ex-President Board of AgrioulSAMURL Wilmot, Ex-Pre
ture and Arts, Ontario.
"The Farmer's Advocate is the beat value for the money of any agricultural journal I have ever "The. F. R. Alexander, Brantford, Ont. of agricultural family papers. None better is pablished anywhere."-Frex Press, Lnndon, Ont. "In all respects the best Canadian agricultural
work I ever met." $\rightarrow$ J. H. SwALes, Logan, Illinois. "I like your paper much better year after year, "I like your paper much wither year just as good
for I think it improves with age
cheege"-J. S. CrosBr, Charlottetown, P.E.I. cheese."-J. S. Crosbr, Charlottetown, P.E.I.
"The Farmer's Advocate is the only real "The Farmer's Advocate is the only real
agricultural pablication in Camada."-Hon. S. C. Wood, Commissioner of Agricalture
"All national wealth depends upon an en,
lightened agriculture."-W RBSTR lightened agriculture." - Webster.

English Letter No. 32.
[TROM OUR OWN CORRESPONDENT.]
Liverpool, Nov. 1.
The past month has been singularly deticient in matters likely to be of interest to your readers. refer, of course, to those special subjects usually discussed in this letter. In general matters the month has been very lively, and especially in regard to the great and apparently interminable question may affect mater:ally the Canadian farmer, and ìs therefore a fit subject for discussion in your columis. It is not to be imagined that radical land reforms are to be allowed in Ireland, whilst the old, oumbrous, restrictive and vexations laws of England and Scotland remain untouched. A oomprehenisive reform of the land laws of England and Sootland is a feature of the near future; and, ander an improved system of dealing with our lands, a much heavier production is certain to follow. This, however, will probably not do more than keep pace with the increase of population, and still leave a very large and profitable market
for those who send a good article, and quality is a for those who send a good article, and qual
A history, adequately written, of the improvements which have taken place during the last quarter of a century in the production and stil vastly interesting volume. The other day I dined ta friend's house off a leg of Australian mutton, and I can honestly say that I never ate anything superior for tenderness and flavor, and it was bought at little more than half the price that is asked for English-fed meat. It is doubtful, however, whether the prioes oblained leave any profit, and, as the inferior parts of the carcass are practically unsaleable, the margin for profit is woefully small. Whilst the handsome bounties subsoribed in the Antipodean colonies for the promotion of the trade remain unexhausted, we shall when they have run out-rumor sayeth not. The mare question of preserving the meat seems to be fully solved, for I have been told of fresh salmon being taken out to New Zealand, brought back gain, and still found to be in a perfectly fresh and sound condition.
The steamer Texas, which left this port last week, oarried for Canada one of the most usefu lots of cattle probably ever shipped from this country. The lot comprised eighty-six Hereford bulls, twenty Polled Aberdeens and four Jerseys,
besides some Oxford and Shropshire Down sheep besides some Oxford and Shrop.hire Down sheep
and some Clydesdale stallions. Mr. W. Horseman, and some Clydesdale stallions. Mr. W. Horseman, a well-known stock authority, referring to these
shipments, says that the wholesale importation of cheap rubbish into the Dominion might increase, in the first instance, the number of white faces out there, but, in the long run, will not inprove the breed in the estimation of practical men. Much of the stock recently sent over has been wretched stuff, such as Mr. Horseman described. The eighty-six bulls referred to, however, are first-rate animals, specially selected. After pass ing through
the ninety days' quarantine at Quebec, fify of them the ninety days' quarantine at Quebec, M. H. Coch-
are to be drafted off for the Hon. M. rane's farm near Bow River, and the remainder, I am informed, are to be disposed of in the Province of cattle in that district. It is to be hoped that of cattle in that district. It is to be hoped that the farmers of Quebec Province will take advant-
age of this opportunity, and will not let these valuable animals be snapped up ty ranchmen from the States. The Hon. Mr. Pope had nine exceptionally good cows and heifers on the Texas, and I was informed, by one who saw them and is com.
petent to judge, that they excel in quality any previously shipped.
This morning (November 1st) was ushered in with a violent snow storm, and we have every appearance of a long and severe winter. Yet even land; for in Aberdeenshire well on in October mat orn crops were still standing with eighteen inc of snow in the fields, and comparatively little had of snow in the
been housed.
The great North. west is rapidly growing in public interest here, and we can now rarely take up a ewspaper or magazine without seeing article ery slow to references to it. English people are oused it is move; bat when once their interest o doubt that this thorough, and there can due to the influence of the reports of the farmers delegates, which have been very widely circulated during the past two years. Four German and on ments were made by Mr Dse the agent here, on his recent visit to the Continent have just retarned from a tour through the Do minion, and have expressed themselves highly pleased with Manitoba, and also with the older settled parts of your province. Their reports, I understand, will be published shortly, and this circulation of reliable information respecting the Dominion, in Germany, will no doubt have a marked effect in directing the stream of emigration next spring towards the Dominion.
The agents for Texas, Arkansas, and other parts paying enormons commissions; but vorously and efforts will be largeiy counteracted by an extensis propaganda on behalf of the Canadian Pacific Railway, which, as yet, can hardly be said to have moved in the matter.
A large number of samples of grain and other produce from the Canadian fall shows have been sent to this country and will be exhibited on various occasions during the winter. The Root Growers' Association, of Toronto, have also promised consignments of their roots, and experience ha shown that these will be of great serviee in making turist the capabilities of your vast and magnificent country

The Pocklington Grap
About two years ago we were met in Brantford by two tree pedlars. They were nicely equipped trees, flowers, etc. They trie fruit, handsome Pocklington grape. They lauded it so much that we looked on it as one of the usual swindles, like the Alpine Strawberry, El Dorado Wheat, \&c. To ing from travellers. We prefer to deal with ing from travellers. We prefer to deal with some vine of an" kind. The price asked was only $\$ 3$ vine. That put on the cap-sheaf. A swindle sure we thought. Some time after this we met one of the members of the Canadian Fruit Growers ${ }^{2}$ Association, also a member of the Board of Aцriculture and Arts. This gentleman, we thoughts, ought to be posted, and in answer to our enquiries he pronounced it a humbug and said it was a hard, poor grape, fit for bullets. Shortly after this one grape. We rejected the advertiortisement of this thought we should be injuring our paper as mueh as if we gave long advertisements in our readin columns of some injurious patent medicine men, public. About two monthe to the injury of the very waterially altered, as Messrs. Stone \& Wel
lington, of the Fonthill nurseries, sent
of these grapes by express. To our astonishmen they were undoubtedly the largest and finest looking white grape we had ever neen, that had been raised in the open air in this country. On testing hem we did not find that acidity we had heard of and exper very, well for bollete, we think they woul consider the quality equal to our little farite the Delaware. We took them to $\mathrm{Mr} \cdot \mathrm{H}$ Mount joy, the largest importer of foreign grapes in this city. He looked at them, tasted shem, and pro nounced them a good saleble grape, by far the best he had ever seen grown here, and said he could sell such readily for 15 c a pound--that is about double the prict of any other out-of door grape raised in this part of the continent. We also showed them to Col. Leys, an amateur gardener, who immediately wanted to get some of the vines, but we did not tall him who had them. He will Saunders Ho mid the wh. grape, and quite an acquisition.
Editors, you see, are not infallible in their opin ions, but whea frum any cause they do not give correct information they are, or ought to be, ready to correct errors. We have al ways been ready to IIake corrections when any have ever been pointed out to us.

Should Agriculturat Exhibitions be Abolished :
Many officials or officions persons have endea vored to abolish Township Bxhibitions, and those Exing near the desired looality for holding County Exhibitions may have aided that project, Some
have advooated dividing the public grait between four cities. Perhaps these cities would like to it, but the Pregident and Vice-President of the Industrial Exhibition of Toronto rather exceed such injurious steps.
The President at a recent meeting in Toronto
had the honesty to speak plain and said he did no wish to act against public popinion. He quite ap prove
year,

## no other exmbition

to be held in any other place. This should be proinded for by Government legisation. be thought
Toronto was the most central and best point for ny such exhibition. Alderman Baxter said he
would not exactly accuse the Provincial Board of wound not exactly accuse the Provincial Boara ke it. He did not care for pubice opinion.- - [From
Toronto paper of the l5t Nov'r oronto paper of the 15th Nov'r.
Among other instructive attractions at the In ustrial Exhibition this year was a negro putting his head through a hole and dodging a ball that the nuch per throw and him at so Association should have added mal. Wi. Association should
ploma as a premium.
Farmers, your voice should have weight. Should the back woods farmers be taxed to support the whims of those who would take your agricaltura dr thions from you and turn them into circuses, armers and voted to take the power from the ranently and solely in Toronto, should have their names published. Every person should give a aear and lucid reason for every act of his in a public position. Excuses and evasions or pretend dgnorance should no longer direct our agricultral exhibitions.
M. J. Hover, the well known agricultural implement agent, says from his observation that pardying rich. persons live poor for the purpose of what way!?

## Agricultura Elections

The anpual eleetions of offeers of the agriculturat sgecieties wilhsoon be hare again. We should look /about us and see it severy thing has been going rested. Theref ene dyays fomie inimprovements the could be suggested. Rerhaps they might ber oar ried, gutst if not not the prisents time, sit is well to look taheadky Introduce the ideas and have them diseus ids. Every friend to agricalture will an courdgeidiscusgions It is awell ta go to the foun dation of thaisbeverents and kee what has succeede and what has failed. It doês much good to all to hold diseussions on isuoh spobjectss, and the annua meetinge should dibe patronized to encoutage then Long, thedions and dny addresses should be cu shorts valimited time shotld-be given to each. A coissid lable party feeling of ben exists, care shoul be taken ta gla 1 ar gretted that ni somerlaculitiess the sery best me have of tem ribee rejebted for ponty causes. at When such has happened + it has invariably acted $\dagger$ injuri ously on the societies and sometimes ruined them
In selecting men or listening to those who see for office, or are aiding others to obtain an office, a very good way to judge of their fitness is $t$ ascertain how many agricnltural papers they take Those who take the most are apt to be most cor rect in their conclusions; those who take none are more apt to be in error in their views, because they do not expend a lithe of their money in ob taining informatio a are not apt to be
of your xhibitions.
of your xhe places they have farmers' clubs, and devote an afternoon on se a month. Surely you can devote a full afternoon once a year. In some places a dinner or supper is arranged, and a long, pleasant and enlightening evening is often spent and much good is done in this way. A trifle expeoded in this manner is often well and profitably expended.
A question you should decide on ${ }^{\circ}$ is whethe Townshi Exhibitions should sustained or abolishe A very reat influence has been at work with the inte of abolishing them and throwing all the funds into a County or united County Exhibition. this matter. I some localities it might act advantageously, but in the majority it is our opinion it would be injurious to abolish them. We look on them as on the Section school-house; they are the farmers' school. When the cities and towns get the control the exhibitions are too often conducted more for the interest and profit of a few mauipulators in the cities and towns thau for the farmers. You can easily see that is the case by the two week exhibitions. Tavern and other influencis brought that about, because farmers one. Peal live farmers would not consent to attempt the the fide exhibition of live stock as the Pro. vincial Board did this year. The power is now almost ${ }^{4}$ entirely taken out of your hands to elect menibers to the Board of Agriculture, but you may use a little influence by enquiring who ydur officers will support. It would be well to hate the 'names' out early of parties who would be the best't drepresent your interest. Do not think of electing men because they have afready been appointed to some office. Select good, practical, intelligent farmers who hola no olher one There is are plenty of geod, one thing you may be pretty safe in saying, that bers have done

## Stock Sale.

Perhaps the most important, auetion sale of really choice breeding stock that has taken place this year in Canada, was the joint sale of Messrs. Beattie,
Holderness and Miller. This sale took place in Markham, Ont., On the 3rd day ot October. The stock sold consisten of a very choice lot of imcorted Clydesdale mares and stallions. On the whole we never have seen so many really choice, Clydes before offered for sale, a very superior blood stallion was also offered. Pure imported erseys, imported, Shropshires, a lot of good imported Oxtord and some good Cotswold sheep com$p$ ised the stocks.
The sale was but poorly attended by, purchasers. ations have debarred som railroad communi ines do not run often and are rather more ex pensive than main lines. For instance, to attend pensive hhan main lines. Kar, instance, to attend tign of three days, for passengers, to go and return from, Gualph, Brant on ofther, stock icentres, in the west. The salo was oganducted in/a, wery honorable mapner, zo There were дospuffers or by bidders, as we have too often seen, ... Everything set, ap, was either sold or honorably withdrawno The prices ruled low considering the choies iquality of the
stock, as really choice stock of this, kind is dearin suck,
Engl or in Jersey In saying the stock sold
low the sis the low, this was the opinion of all the really good
judges of stoekre we paoke to Most farmers ing Clyde oolt sell at $\$ 350$, that being the
trice, and it was considered well worth the money. But what would astonish you more
would be to see a ititle, tiny Jersey heifer, such as no common farmer would think of giving \$lo for,
no
udging judging from the size or symmetry of the animal,
knocked down af $\$ 200$ and $\$ 300$. $\$$ one young cow brought $\$ 40$, agh $\$ 15$. Yet at these prices they were considered cheap, and, we beliege they, were
cheap, considering what they cost and the prices cheap, considering what they cost and the prices
they sell for in the States. When in Toronto the
day after the sale, and conversing about it, we said dhey seter the sale, and conversing about it, we said
such an animal brought $\$ 1.50$ per ib. live weight. A gentleman that had seen the beast, said he would give $\$ 2,50$ per lib. for her. Surely some
people must be making money to sell horned cattle at \$2. 50 per lb. live weight; but such is the de-
mand that fashion has set on animals, that the wealthy ladies and gentlemen in the States who can afford to keep a villa residence, now prefer the J arseys for two reasons. One is becaas resemble the
color and fine canary-like legs more reser color and fine canary-ijke legs more resemble the
deer than any other of the bovine race; secondly, their butter is of the finest color and quality, and
as to the cream, some olaim that they can take the as to the cream, some claim that they can take the
cream off a pan of milk, throw it over their arm cream of a pan of milk, throw it over their arm
carry it into the parlor, and lay it in a dish, and
leave no grease mark on the dress ; and furthe leave no grease mark on the dress ; and further
that you will not find dead mice in the milk pan, that you will not ind dead mice in the milk pan,
as in other kinds of milk, the criam being so thick as in other kinds of milk, the cram ine We her have not kept Jerseys, and therefore will not vouch fo
all we hear, but that they have the name, com all we hear, but that they have the name, com
mand the prices and are dearer now than cer bemand the prices and are Aeard further, as long as
fore, we firmly bleveve. And
such is the opinion and such the prosperity of the such is the opinion and such the prosperity of the
Americans, the best wifl be in increasing demand,
and the demand for good Jerseys is now so much Americans, the best will be in ierreasno so much
and the demand for good Jerseys in ow so met
in excess of the supply, that although high prices are now being paid, the prospects are that they are
more likely to increase for the next ten or twent more likely to crease.
years than de

## Ayrshires,

Many years ago Mr. W. Crawford, of Malvern, purchased a one-year old Ayrshire heifer from the late Col. R. L. Denison, for which he paid 8.00 . Ayrshire cows he made and sold this summer 4 lbs. of butter per week for several weeks in suc cession, and this besides supplying great many head,
milk and butter. He has sold a grese some bringing him from $\$ 75$ to $\$ 100$ per head
Question-. Does it pay to give $\$ 00$
for a good Ayr Question- Jo

From the thited states.
bby our own correspondenc. Washington, D. C., Nov. 17, 1881, The report of the Commissioner of , Agricultare Government printer and will not be ont of preas for several months yet, devotes a large space to the culture of sorghum and the manufactupe of sugar Not less than seventy pages, are, taken, pp by the Chemist alone in his tables, of the analysis of the juices of sorghum cane and corn stalks, in, which is given the percentage, of glucose, sumpose, etore etc., and the condition of seach at different stagere the period of maturity and the dength of time eagh will remain in condition to work sintpifugar iaftemi maturing. From this preat, valume of of tablems and a clusions are drawn, experiments, are sufficiant fop ans practical purposes to farmers who are not scientint Those varieties whigh mature quigkess and ole have a long working period, are, the onenes appecial!y adapted for cultivation in more northerra latitudemer Judged by this rule, says the Chemist, the follow. ing are hest suited to a portherr olimate whera, the season is short, Early Amber Forly G Golden, Oolden Syrup, White Liberian, BBaco top Sorghum and Affican Sorghuim'.
Among the essential point worthy of ofonsider: 1. Select following.
as long a working period as possible. quickly, and has 2 ong a working period as possible.
2. Do not work well matured and quite hard, and the juice should have'a specihe grayity of $1: 06 \mathrm{~g}^{\circ} \mathrm{or}$
3. After cutting the canes, work them up with. out great delay. "It is' best to draw dire otly from he tield to the mill as may be needed.
His concluding stggestions adoceping the itini ation of Waste products in sugar-making are a collows: "The baggasse (crushed stalks arter weeter than ordinary grasses, and sufficiently nuritious. A good article of paper pult has been made from this "baigaasse by the ustail tiinethods employed by paper makers. The Ieaves, which are removed in stripping the stalk, make excellent green fodder, and the seeds furnish good food for arm animals."
The Ohemist has made an analysis of " "Purm Stock Powder," advertised as being beneficial in leuro-pneumonia and other dibeases. While he fives the result of his analysis in the folldwing recipe for the benefit of those who prefer to pute chase the ingredients for alfew cente, the ther than give a dollar for the advertised article :
Common salt:
Sulphur..
spent cloves.........
Ammonium carbonate....... 1 part.

The Comimissioner, in his report upon grasses, says: "It is apparent that the time of bloom or hereabout is the fittest for catting grasses in order to obtain the most nourishment and the largeat elatively profitable crop, and for the following easons The amount or water in the grass has less. The wei ht of the crop cut will bryin in proportion to the nutritive value of the constitu. ents. The amount of nitrogen not present as albuminoids will be at its lowest point; fibre will not be so excessive as to prevent digestion, and the nutritive ratio will be more advantageous. In bre is less and albumen a little larger. The hay may be more palatable, but the total nutrients to
the eone mill-not be so large. If eut later there
will be evident increase of fibre, destroying the wif ${ }^{\text {bsi }}$, epidept increase of fibre, destroying the digequibify 9 , the natriments, and a falling off of crgp qut. qut." .fifised of fsitnopers upon their analysis of 25 varieties of grasses upgu, fheir analysis of 25 , varieties of grasses, It
is interesting, but whole is too long for a letter. Amang them they mantion Meadow Foxtail, notr native of this fountry but which grows through out the Narthern States. It flowers in May, neanly fory yeeks, earlier than, timothy, and is one of the eapliegest grasses to start in the spring, Pastures of this will afford a free bita to stock a woek
or ten
ond or ten days garlier than, others, For this reason it is a gogd grasi for early spring pasturage. It will
not. do well in dry soile, but is not injured by frenot.do dyell in dry sofik, but is pot injured by fre suant mowing. For dry sandy soils they describe
is inffet to withstand suyere droughts.
A seriea qf ipxperiments 14 ade by P. E. Salmon, oultare Afe gho gommanioated ta, the Dept, of Agri cultyre , hhows that chicken cholera, which thas
destroyed so many fowls in different sections of this country, is not commnnicated by innoculation or germs in the air. He states that it can only be contricted through the throat hy means of food or drint swall wed infected with the disease. When Hoocts remote from those affected are attacked with the disease, it is communicated by other animal that haye geten or drank with the infected Hocks, or by insecty or flies coming gorged from the sick birds and are eaten by the healthy.
The dronght of the past summer has so increased the price of all farm produqts, that many farmer arg elling off a large portion of their stock in preforence to feeding them on high-priced grai and fodder $\qquad$ Lotus.

## a.Oxford Downis versus Cotswolds.

by fetkr arkeli, terswater, ont.
In your number for October, Mr. J. C. Snell has quite a long article on Cotswolds, and, being a whit he says of thens myself, can fully endorse making of farge weights for mutton purposes, but must take exception to what he says in respect to the oxford-downs.
Firist, with respect to their not being a sufGcienitily' fixed breed to produce a uniform offspring; thifs stafement can scarcely be borne out in face o the fofowing facts, viz
That they have been an acknowledged distinct brebd and allowed to compete as such in the Royal ociety's show yards, of England, for the last twenty your years, and that Mr. Hitchman, of Great Momes prece fifite greater than that occupied by Bake well to establish from a multitude of crosse ad fle boyond doubt the oelebrated Dishley Leicester breed.
In the second place, I do not believe in Mr. Snall's prophecy that at the end of two or three years people using them will be disappointed; this of course will depend considerably on the skill and experience of those handling them, as it would do in any breed, but, I would venture to say that if handled only in an ordinary way, the result will be satisfactory; in oonformation would quote what $\mathrm{Mr}^{\text {es. }}$. Radidal, of the Practical Shepherd, says of them, These sheep were first introduced into the
United States by Richard S. Fay, Esq., of Lynn, United States by Richard S. Fay, Esq., of Lynn,
Mases vohuettes, and the Hon. William C. Nives, of Mases iohuettes, and the Hon. William C. Nives, of
Virginia, who selected and improved their sheep Virgini, who selected and improved their sheep together. Mr. rough pasturage, better adapted to sheep than other
animals, and he first stooked it with fine wooled
sreep and subsequentry with crosses between them and Southdowns. Neithep, experiment resulted land induced him to turn his attention to the and induced him to turn his attention to the
English breeds, and he came to the conclusio that English breeds, and he came his purpose. Living two years among the Shropshires, he was highly pleased with them, but on going to see Mr. Gillits and Mr. Druce's Oxfordshire-downs, he gave them the preference aud sent home a ram and ten ewes of this family. Mr. Fay, in answer to my in quiries, informs me that these sheep fully meet his expectations, that they are of good constitution and "take to his briars and rough pastures as if 'to the manner born.'" He has no difficulty in raising all their lambs dropped in March, and the ewes many of them then fit for the butcher. The mutton
killed from his rocky, rough pastures, in Novemilled from his rocky, rough pastures, in Novem ber, is of very high quality. His ewes in 1862
averaged $8 \frac{1}{2}$ lbs. to the fleece, unwashed. The verag dith the rams 220 lths. The vield of lambs was 150 per cent. on the number of breeding ewes, In 1863 th yield of wool fell to a small fraction under 8 lbs . and the increase of lambs rose to 175 per cent His wethers yield on the average fully 10 lbs . of
Hen wool. He further remarks that their wool has a good lustre, is neither hairy nor harsh, and it has a very desirable quality for certain fabrics and will always command a ready sale. Of their disposition, he alays they are gentle and disinclined to rove, but are willing to work hard for their feed and are very promiscuous feeders; they make ex early.

## Your Opinion Wanted.

Very great and very important changes are abou to take place in agricultural affairs in Ontario We have been called on to express our opinion o withhold our own personal views for a short ty and appeal to our patrons before committing thi journal to the support of any particular course of action, as we believe any great changes should be freely and openly discussed before too hasty decis ions are arrived at.
We went to Toronto on the 23 rd of November to ascertain as much as we could about your affairs, ime. very important meetings took place at tha reeders of 23 rd a meeting of the Shorthor and discuss final arrangements in regard to the establishing of a new Herd Book, as the existing Canadian Herd Book is found to be in disrepute in England and in America, on account of entries having been made in it of animals of shorter pedi rees than the best American Herd Books hav allowed. The breeders found that in effecting is looked on by hoicest bred simals be no of the fancy or all it a Grade Herd Book; and to arinta proper position for Canadian stock they consider th only possible way to do so is to establish a Herd Book, leaving out all cross-bred ani mals and inserting only those that can be trace directly to imported English stock. The Agricul aral and Arts Society have, by invitation and propositions, tried to compromise the matter and hem, but the breeders refuse to to to try to mee he matter of breeders refuse to take any part in seps they might take must lead to dissatisfaction oo some, and they wish to have nothing to do with ave been entered in that book. We fail to see any reason why an individual
cannot keep record of his own stock, or if they
choose, to combine and keep a record for those who prefer to record with them. The objector is done for the purpose of enhancing the ve an certain stock which we presume is the point desired. But to do this presume is the point the standard of stock and of the Herd Book, they contend that no alloy must be found either in their book or animals entered into it. The Government is not called on to pay anything toward their Herd Book, and they consider that the breeders can man age their own affairs better than the Government officials can. "Stockman's" report of the meetin will be found in another part of this journal.
The Board of Agriculture is in a bad plight. Wher at London a resolution was passed to regis ter no more descendants of the four-cros animals they had already entered; and now at the last meeting they propose publishing a hand book omitting many animals for which they have re eived payment from the farmers. While the debale on this subject was ging on, your humble ervant, a hough mod not deeming it judicione reat declined until fully prepared to do so which we said we would be if the Board would furnish we with the particulars in regard to the first establishment of the Herd Book in Canada, and also at whose sug. gestion and for whose benefit was the origina Herd Book altered to admit of the four crosse animals being inserted. We asked Mr. White or Mr. Shipley to explain, bot they have not yet ex plained. We believe that public officers who are in receipt of public money should expla or acknowledge their inaoility to do so These gentlemen, being old members of the Board having been in close and intimate connection with all who have had anything to do with the Herd Book, having had their expenses paid to ravel throughout the United States and Canad or many years, expressly for the shorthora in terest, the 1 a difference in a private individual and a publi or paid servant. We yet await their reply, and we require your opinion. Do you consider that the Association or the Government should publish the Herd Book as usual? Do you think the hould omit any names of animals for which they have received payment? if so, should they rofund the money to those that have paid it
The Board have decided to publish their Herd Book and to leave out many animals for which they have received payment. This subject is now open for discussion. It is our opinion that errone ous steps have been taken.
Another very important question was brough up, namely, the location of the Provincial Exhi bition for 1882. The usual custom has been for any locality desiring to have it to send a deputa tion and furnish approved gnarantees from the ocalities desiring to secure it; and the decision ha enerally been arrived at by a vote of delegate sent at great expense from all parts of Ontario he annual exhibition. This year Kingston wa he only place that complied with the Act, althoug premature assemblage of the mabers of to Board doide thi ome extrem doubtul or injudicur arrange ment that is stated to have been made by oue of the members of the Board that Toronto had been promised it two years in succession-such was the darkness kept over affairs that the delegates who attended the Provincial this year to decide wher it was to be held next, were not made publiol aware of this underhand promise. But someho

December, 1881
THE HARMMR'S ADVOOATE
exhibition to be held in Toronto, and their influance and power succeeded in procuring a majority of the votes for Toranto, notwithstanding that the Toruntonians had protested against having it, and Kingston asking for it. Despite this strange pro cedure, the Board tries to arrange with Toronto but Toronto, desiring to secure the whole grant an the whole control, the Board found they were checkmated, as many of the members could no ntario made subervient to a body of showme ho had secured rights and privileges from the city onary on the Industrial Exhibition as a privat oney-making institution, more for the purpose of musement and making money from the farmer than for the good of agriculture. Several of the members saw through the scheme, and londly pro tested against the steps taken by both th lobe and the Mail to withhold the true fact rom the country for the purpose of aiding the manipulators of the Industrial Exhibition. It ppears that the citizens of Toronto are divided this question, but those who can pay for mos printers ink are those who generally gain the day ad the masses are often sacrificed to the speculators who make the money at the expense of the majority.
On finding this dilemma, one of the members of , and actually got a vote passed in the City don, and actually got a vote passed in the City xhibition in 1882 . 'I his proposition was laid beore the Board. A depatation from Gu-lph waited on the Board asking for the Exhibition, and par-
ticularly asking how much it would cost them to add sufficient buildings to those they now have, nd offering their locality. The Hon. J. Skead
f Ottawa, also waited on the Board, offering to uruish accommodations in that city.
Amidst the discussions on this question, your This we willingly did showing that the $r$ only ste was to decide at once in favor of Kingston, considering it the only place entitled to it, and th only step they could take to prevent a disruption
of the whole body-particularly so as the Hon. Mr. of the whole body - particularly so as the Hon. Mr.
Wood, among his other suggestions, had requested hem to give an estimate for the money required by hem. We gave many reasons why we considered that Ringston was the only place that shoust be in regard to the offer from London, that it was not an offer frum either the citizens or the farmers a request, as they did not wish to act act sellishly,
but would be willing to accept the Provincial in
but but would be willing to accept the Provincial in its regular tarn; they did not want to take it
when other places were justly entitled to it. W when other places were justly entitled to it. We
also informed the Board that this request had been aiso informed into the City Council by the two men who had worked the hardest to destroy the exhi bition grounds and the exhibition, and to injure Than any others in London.
The motion was that Kingston be selected as
the location for holding the Provincial Exhibition 1882. The opponents of this introduced a mo ion to the effect that the selection of the situation be laid over until the next meeting in Jan'y. The To Postpone Discussion.
1-S. White,
2-L. Shipley,
3-Moore,
4-Hunter,
5- Oramam,
6-Ryzerit,
7-Morgan,
8- Dempey,
> -Hunter
> 6-Rykert,
7-Morgan,
8-Dempsey,
> 9. Sanders,
$10-$ Klotz.


10-Klotz
We believe every vote should be taken and the ume be known in every important question. The of acts. This old system of stating that the
Board commend, or the Board does such and such, rings nothing home to the door of the right per person. This vote, we think, settles the fate of
the old Board. Nothing but a radical reformation the old Board. Nothing but a radical reformation
can satiofy the public cry. More will be said of can satisfy the public cry. More
this meeting in a future number.

## Ieterinaxy

## Saltiug Stock in Winter.

 by James Law.That common salt occupies a most important position in the animal economy may be direetly ferred from its universal presence in the blood ad solid tissues. In the blood plasma, iaecordin of ash. In saliva it forms 2.5 parts out of 8 of the salts, in gastric juice 25 parts in 6, and in surat 20 parts in 50 . Again, the eagerness with which all herbivorous animals seek this condiment partakes of the nature of a true instinct, and may be held to demonstrate a want in the economy. Salt springs are usually known as salt-licks or deer icks, from the herds of wild animals that resort to them, and wherever on our western plains salt springs can be found as yet undeveloped, the earth around them, to the extent often of many handreds of acres, is depressed several feet below the level of the adjacent prairie, by reason of the gaantity removed by the tongues of animals re orting to the spot. Deer and buffalo are know. have travelled handreds of miles for the priva hunters could always rely upon fiading large game the vicinity of the springs.
Regarding the advantages of salt as an aliment en Aristotle had recognized them and reeom ended salting as a means of hastening the fattening of sheep. Pallas noticed the same thing in the Volga. Bensalmuc Tartars on the banks the subject of experiment, selectiug six cbiws as nearly as $p$ sssible alike, and feeding all alike, with the exception that three had each from 1 to 2 onnoes common salt daily. In about six months the sin and hair of the three which had been deprived of salt became rough, dry and staring, presenting narked contrast to the smooth, oily coats of the chers, which, though not much heavier than the thers, yet were so wheh betler appernace that hey brought a higher price. the saltad nown life ad appetite then their fol wws; the signs, in short, of a more robnst hesith The nse of the salt in the animal economy not well understood. It has been held that the ohlorum in its composition serves to furnish hydrochloric acid to the gastric juice, and thereby to secure a more prompt and perfect digestion of the nitrogeneous constituents of the food. The large amount of salt in the blood implies still other uses. Its presence doubtless maintains the blood in that condition of density which is most favorable to the absorption into the blood of the prodacts of diestion. The integrity and proper funotion of the lood globules depend largely on the density of the machine in which they float, and here too the munv to ecure healthy function. It is gen bure serve to secure healny fact crally hel shatial to the nutritive changes (meta bolism) in the tisses, alike in the process of repair bal the removal of the waste materials. It is none the less manifest, however, that to secure the best results the amount must neither be deficient nor excessive. A proper balance is essential to the best results, and too much salt will not only cause a shrinkage of the blood globules, with an arrest of their function, bat will similarly derange the process of nutrition in the tissues. It follows, as Liebig pointed out, that an excess of salt, instead of fav oring gro wth and fattening, will really retard them, and that hence restriction to moderate amount is best for animals that show an mordinate.
fondness for the condiment. It must be alluwed
that any excess is easily thrown off by the kianey, or if in larger quantity, by the bowele, yet duffic its pressine in the blood it intefferes wrath tifo processes which are essential to health. AHP din limited consumption" of "salt' is rneefofote to "b
 preferred.
The artificial feeding of sate if andodetidit nupept.
 Springe thest cabe amount fin the rood or wat Springs that contain a smalf percentage of sal flo



 terior of a continent, where the trook hanay yad
 where stock are fed fargely on brgwers of iistil. erse graims, or on wooked foot 'quyif which the essential that sait should be wated to gecar ithe beit rescits frobit the toba

 pecialy in which a ary winter oeay
 the salt to the free secretion mand the "
 gendered disposition to dridi moir fromy he dislodge such obstructions and to reatore o digestion. Even if a fiff purgetiye sotion wanted, fow agents will serve ot in ho bithor Bat
 allowed without stint after the administration of such a dose, as a concentrated solution of salt it highly irsitating toithe atomaohr and iliolvilo $\mathrm{xx} \mathrm{An}_{\mathrm{n}}$ abundant consumption of water ferver at puce to remove the irritant qualities of the galt and to hasten the action of the bowelis
 tinal worms, In Brazi, where cattle are yerf subject to parasites, the stock opresph covered this a year with 1 lb, each of comamon alt after the action of which they always manifegtly after the action of which they ahre
improve in condition. It is to the youpg worms especially that salt proves destructive hanoe daily allowance of one or two oungeen for fhederger quadrupeds, or two drachmi for the heep rif go far toward warding of fata atfacks oy dootrgy ing the young parasites as they are takem in in in the food or water. Thus for the liver worma in ehe ${ }^{2}$.
(Rot) salt marshes or the free uive of katt prove
 extent, the intestinal worms of all dompdicianio mals, may be kept in
moderate allowance.

The Pea Weevil.
A correspondent writes: "I have observed of late numerous complan seed frome the thenting or Your subperibor has found zan, sffeethal wemedy
and gives it for the benefit of those

 been thoroughly h hated before the firs, placibg fin
each vessel a botile of turpontime, notisor king ahe

 and afterwards expose to tho suri occasionatif. Thie fumes of the turpentine engendered by whe the
 is gre
bex.
Ex
Scatter manure under frait trees, as also a quifr
of salt under each tree as far out as the limbs extend.

Chicago Fat Stock Show
icago Fat Stock Sh
Of the four fat stock exinibitions that have been held under the supervision of the Illinois State
Board of Agriculture, at Chioago, none have been more successful, or rearer what such things should
be, $i e$ e, full of practical lessons for the breeders, be i ie, full of practical lessons for the breeders,
the feedet, the butcher and consumer, than the one just closed.
The fact that this annual fat stock display, Which may now be regarded as a permanent in. stitution, is ander the management of a single
State eiciety, might give one the impression that State society, might give one ine impression that of merely local interest. This is
thar afrom being the case. Such an institution is far from being the case. Such an institution is
well alatulated to be one of national impor-
tantice for there can certainly be few questions that taince, for there can certainly be few questions that
are of greater interest to the masses than that of of how to obtain the best results at the minimum cost'of production in the matter of supplying food
animals to the consumer. Canadian breeders have animals to the consumer. Canadian ureedershave to adding moch interest to the ocoasions, by the
excellence of the animals shown, they have found excelience of at at remunerative
ready sale at
stock as they cared to dispose of
At the show just closed there was an excellent cattle exhibit, a fair showing of sheep and swine, and a splendid aisplay of pouest
The two great rival beef breeds, Shorthorn and
Herefords, ormed the centre of attraction in the Herefords, ormed the centre of attraction in the
cattle department, and in every prize ring both cattle department, and in every prize ring both
were well represented. A few choice Devons ap. peared, and captured some of the premiums, but
other breeds were but scantily represented. Of other breeds were but scantily represented. Of the polled breeds, which many had hoped to see,
there was only one entry ; thit of a Polled Angus
bull by Mr. Hood, of Guelph, Canada, which before the closing day was olld to a western breeder. The competition between the two first named breeds
was never sharper than during the past year or two, and as a result, champinns of each have been exerting themselves to make their respective
favorites excel, and it is safe to say, a finer lot of favorites excel, and
Shorthorns and white faces have never been col.
lected in this country. The herd prizes, as also lected in this conntry. The herd prizes, as also
those offered for yearlings, two-year olds, and the in the three year old ring and in the slaughter test, in the three. year old ring and in the slaughter test,
the Herefords came of victorious, and upon the
whole they rather got the bett-r of their adverwhole they rather got the bett-r of their adver-
Baries. The most able judges often disagree in desaries. The most able judges often disagree in de-
ciding upon the quality of a live bullock, and
many consider a smooth, mellow hide a sure indication of a fine beef, while there are others who in a ripe steer. In fact careful experiment has
disclosed the fact that an animal which might be disclosed the fact that an animal which might be
considered by many a poor "handler," may have under his coat a finer quality of more thoroughly
marbled meat than one which might be the choice of one who lays particular stress upon the handling quality of a beast; unquestionablp the practical batcher is the best judge, and the way to get
at the "true inwardness" of the matter is for him
to render his final judgment upon the quartered carcass.
A noticeable feature was the presence of a half heavily fed for three or four years, and which were considerably past the profitable age, and are simpty kept because they are of huge proportions
and are successful in attracting considerable attention. Just what there is, for a young stockman
for instance, to learn from beholding aged bovine monstrosities, which are very largely made up of tallow and grease, is not easy to understand; un-
less indeed he should learn a lesson that would forever keep him from pursuing a like course. If
such animals were entered in the slaughter tests the young man would have no difficulty in seeing
for himself the folly of adding fat to old and over ripe fat by feeding too long, but such animals are
not disposed of in that manner. They are usually not disposed of in that manner. They are usually
dished up on some day of celebration, and feed to people who enomey very poor beef, aud discuss at
peope length its excellence just because it came from the carcass of a huge bullock. Early derelopment should certainly be the aim of the breeder
and feeder. Anybody can thake an enormously large anmal by feeding until four art five jearsold.
but people who succeed in making premium two and three year olds are not plentiful yet and are
the ones who are paid best for their labor.
 of Polled Angus and Ayruhire Total libl.
 and Sot Merino. Totat SU
 Berkshire, one red Berkshire, 8. Essex, 2 Suffolks,
7 Poland Chinas, $\overline{0}$ Chester whites and 7 Victorias. The latter is a new cross breed which re-
sembles very closely the Berksbire in form, but is sembues very diseely
of
of pure
phite collo.
The Canada West Farm Stock Association, of
Trantford, exhibiied the finest Shorthorn cow shown, which sold to a butcher at 12c per lb. gross weight. Geo. H. Hood, of Guelph, exhibited place, 4 Cotswold, 4 Southdowns, 9 Oxfords and 4 Merinos.
At this
this country there is a very strong demand in this country for the hornless breeds of cattle, and
that fact tends to keep them from being shown in the fat stock display, as breeders are selling stock even grades being $f$ :ttened for beef. Americans are noted for taking hold of thingsin a "whole hog or none "fashion, and just now there is something
of a Polled cattle mania taking its turn of a Polled cattle mania taking its turn. It wil
probably result inmany over sanguine stockmen
beconing disnsted with them, as many have probably result inmany over sanguine stackenen
becoming disgasted with them, as many have
bought grade bulls, and poor specimens at that. bought grade bulls, andpoor specimens at that.
The chances are that if some Canadian farmer should fatten up a nice lot of Polled Angus or Galshould fatten up a nice lot of Polled angus or some valuable premiums could be taken.
The following grades of beef are The following grades of beef are established at
the Union Stock 1 ards in Chicago. Extra beeves steers weighing 1,500 pounds and upwards; choice beeves, fine, fat and well-formed steers
weighing 1,350 to 1,450 pounds. weighing 1,350 to 1,450 pounds ; good beeves, well-
fattened steers, weighing 1,200 to 1,300 pounds ; medium grades, steers ia tine flesin, weighing 1,100 to 1,200 pounds; butchers' stock, poor to commion steers and common to choicecows for city slaughter
weighing 800 to 1,050 pounds; stock cattle weighing 800 to 1,050 pounds; stock cattle, com-
mou cattle, weighing 600 to 1000 pounds ; inferior light and thin cows, heifers, stags, bulls and scallawag steers.
At the openin
At the opening of the fat stock show the repre-
sentative of the Union Stock Yard's Company resentative of the nion Stock Yard's Company re-
marked in substance, that the most skilful and successful of stock growers within a radius of a of their flocks, not only tor exhibition but to prove that with proper selection in breeding, and care in
development, mo weight and a better quality of development, mote weight and a better quality of
meat could be produced in oue quarter of the than was required under the old haphazard styl. Few even of Chicago's citizens realizzd the vast im-
portance the live-stock interest bore to the wealth, portance the live-stock interest bore to the wealth, commerce and prosperity of the city. It was a
sonrce of jnst and commendable pride that the foresight and enterprise of some of Chicago's citizens led a few years ago to a plan for furnishing such
facilities as to draw to this centre the bulk facilities as to draw the conutry. It was of the quarter of a century ago that John B. Sherman and Geo D. Williams estabhshed a stock yard on West Madison street. It was a very small one
then. The hogs were dumped out on the prairie picked up a living the best way they could, while waiting for a market, and were driven to Chicago river to water. Twenty-five years only have elapsed
and Chicago had become the greatest live-stock
market of the market of the world. Sixty-five thousand hogs, handled at and the Sork Yhards, and 100,000 men, women and children in chicag oud of the products and industry arising from the live-stock and packing interests of the city. The census returns showed that in 1850 the
sales of live-stock here amounted to $\$ 143$ all the gold ani silver produced in the United States in a year would not pay for the live-stock bought and sold in Chicago in six months.
stood at the head of the list in point of number of cattle exhibited, as well as in their quality, weight
and general thrift. He had on exhibition thirtytwo head of grade Shorthorn steers, including eight
snow-white bullocks. Col. (iillett took the graud sweepstakes premium for steers three, years old
and under four horu stecr "Mc.Mullen." Mhagnisent grade short- was 1,237
days old, and weiviled days odd, and weighed 2,095 pounds, showing an
average daily gain since birth of 1.61 pounds. Oi
this premium anin this premium animal the judge stated: "He was a
good handler, aud gave every indication of having
enjoyed suticient gevere
natural conditions to develop a due proportion of
lean meat This steer had not matured as rapidly lean meat. This steer had not matured as rapidly
as some others in the ring, and was more evenly as some others in the ring, and was more evenly covered with thick, mellow, frm meat of the most
deairable quality for the consumere. was the
smoothest animal in the ring, and had the best soothest animal in the ring, and had the best
loin and rib, smallest brisket in proportion to loin and rib, smallest brisket in proportion to
weight, straight and even top, bottom and side weight, straight and even top, bottom and side a small head, short, neat neck, was welt filled in
stoulder and carcass ; and a very large preportion stoulder and carcass ; and a very large proportion
of choice cuts. With the exception of being rather of choice cats. legge but little room for in iprovement in all that
wase
ooes to make up a profitable butchers bullock. goes to make up a profitable butchers' bullock sweepstakes for any age or brecd of cattle on foot; thirty-one appoared in the ring.
As a representative herd of
As a representative herd of grade Shorthorns, it is interesting to note that of the thirty-two steers 2 435 pounds, four upwards of $q, 100$ pounds six
of
others about 2,000 , five about 1, goo and only one others about 2,000, five about 1,900 and only one
less than 1,500 pounds. As illustrating the ques. less than 1, orlo maturity and rupid growth, one of these steers 1,16 days old and weighing, 130
pounds, had gained 1. 81 pound daily since its pounds, had gained 1. 81 pounds daily since its birth; another showed a dayy gaur since the whole
2.0 pounds, while not a ster among to
lot had gained less than 1.19 pounds per day since birth, the average of the cattle exhibited by Col. Gillett showing a daily, gain of abibut 65 pounds
perday. Among the Herefords this quality of rapid grawth was marked. One Iowa breeder ex-
hibited an animal, but 67 days old, we egighig 725 pounds, or an average daily gain of wi, pounds weighing 1, 250 pounds or or 2 , 05 por, pouds daiky did, Au Indiana stoce bree er entered several teye
fords as follows: One 365 days old, weigning 880 pords as follows: One daity gan since bircth of itil
 one 249 days old, weighiog 610 pounds, que the
days old, weighing 50 p pounts. Among the Devons the relative daily gain was much less, bred Shorthorns.

## British Americanshorthorn Breeders'

A large and very enthusiastic meeting of Short-
horn breeders took place at the Wakker' House, horn breeders took place at the Wakker House,
Toronto, Ont., Nov. 23 rd; all the prominent breeders were present or represented. The Peesf-
dent (Mr. John Dryden, M. Pe! P.) addressed the dent (Mr. John Dryden, M. P. P.) addressted the
meeting at some length. He said a false igapres sion had gone abroad coneerning the aime of this association, and for that reason gate the reasions the breeders had for'-forming this dissoination
and conducting their own record. All of these argaments were given in oup dune number. In conolusion, the President said this, would probably be the most umpartant neeting that
had beeni- held yet. He hoped they would had been- held yet. He hoped they , ould
enter carefully on the subjects that woutd come before them, so they should escapelereoss
They had learned, with regret, that the Herd Book had not only a poor standing with their American neighbors, but a number of their own breeders had no contidence in it. It had been a matter of disonssion whether they could better Agricultural and Arts Association, nad it:was argued that joint action would not be beneficial, led to the formation of the British Amexiean Shorthorn Association. The question was
whether the noter the control of a committee of the Agricultural and Arts Association, or . Whether its should be continued by the Breeders, Assqciation,
Those of us, Mr, Dryden said, who had an interepst, in the Herd Book woutd see that if it was gontrol, led by the Breed ars' Association it would be
better, and would not bo so expensive as it would be under the system that had been in operation up to this time. It could $n$, longer be sarried on as it had been hitherto, for the breeders, would see to
it that every man would have justice. Mry Dry. den understood that the Agricultural and Arta meeting to day. Buth he desired to say that he did,
not wish to relinquisi the object they had started not wish to relinquisi the object they had started
to effect, and he hoped they would purgue it withe. honesty of purpose and a desire to do justioe to all breeders of Shorthorns.
Mr. S. White
Mr. S. White, M. Po. P., said he was sorry he

December， 1881
THEF FARMER＇S ATVOCATE．
to be present now．His opinion was that Short－
horr breeders shoold take this matter in their horn breeders should take this matter in their
own hands．They had been subject to a good deal of caprice on the part of the pububishers on othou Herd
Both here and in the United States these Herd Books were held as private property and outside of the controin purchased，It was a purely commercial matter fif the publishers would not meet them half way the Shorthora breeders would do properly by get－
ting up a book of their own．Mr．White related what he had herd at a meeting of Shorthorn breed－ ers in Chicago，and he said it was shown there also
that the brededers were at the mercy of the pub． lishera of the Hord Book． was a general feeling among many oth mould cover the Shorthorns both in the United States and be furnished cheanp，and it would also be a good reocr 1 and almost universal as it would include the
cattle in all North America． 4 He thought it would be a goot thing to join the Americiane．fierd sale of their cattle，and by a combination with the Americans they would secure a wide field．He agreed eutirely with the Prosident that the associ－ owñ hands．
The President said that Mr．A．R．Gordon，Cooks－ ville，Ont．，had arrived，and would state what were
the propositions made by the Agricultural and the propositions made by the Agriucutura）and Mr．Gordon said it was true he was the bearer of certain propositions from the Agricultural and
Arts Aesocition，but he was in no sense their agent．The Agricultural and Arts Association had asked the Breeders＇Association to confer with them and gee whether they could not both exist．
For if they had not any control of the Herd Book they did not know what elle they wera in existence for．Mr．Gordon said that it might be a subject for much thought whether they would join the Agricaltural and Arts Asociation，or whe ther of which they witl have full oontr 1 ．Mr．Gordon
woun read the propositions，of which the
sixth and last，were the principal：－
＂That in arase the Breederr＇Asociation do not pomisittee shall be appointed by each association， whose expenses shall be paid the same as the other members of the Board，three of whom shal
make a quorum．The Conmittee to be empowered to procure evidence to their satisfaction in refer－ enoe to all doubtful pedigrees，and empowered to
make rules in reference to all matters coonected
mat makt rales in reference
with the ereeption of pedigrees and the publishiug with the reeeption of the Herd Book．＂
Mr．Gordon prooeded to say that a discussion
had taken place on these propositions，and it was had taken placee on these propositions，and it was athe oheapest posible rate．The should con．
the sider whethher it was better for them to wait at
time and go on with the Agricultural and Arts siame and go on with the Agricultural and Arts
timesociation，with the expectation that by－and bye
Al Association，with the expeotation that by－and now now
they would get all the bentit of the books now issuev；or to zo on an they had began and get up as
booo of their own．The Agricultural and Arts Assooiation did not look any longer for any profit from the Herd Book；but aa a body they had nothing left to do but manage this hir hands，the had no reason for continuing as an association any
longer．Mr．Gordon thought these propositions were deserving of mach consideration，and he moved that the several propositions be taken up
one by one and discussed． Mr．Arthur Johnston，Greenwood，Ont．，though ciation in its earlier days was as well done as could be expected，but he thought their usefulness was gone．The work done，howerer，had breenr
well paid for，and he did not see that the breeder when paid par an a very high price for what
should
they hay already paid for．There is no rea－ son why the breeders should pay more for their Herd Books than their
the Astue inculural and Arts Aseociation might be kept alive．It was a mere question of economy，
and if the Breders
Association could make as
 better a book at less cost than the that one the breders
getting now，he would adiee ghoting haven，no connection with the Agricultural
gha d and Arts Association．
Mr．R．Giibson，Ilderton，Ont．，moved，seconder
tion feels that the Herd Book should be under their
own control，and that the propositions of the A Aricul own control，and that the propositions of the Angrical－
tural and Arts Association cannot be entertained This resolution was unanimously passed and Luddly applanded．
Atter this resolution was passed the business of
the meeting consisted in the appointing of ing seeretary and the appointing of several import． ant committees．After much carefal discussion，
R．L．Denison，of Toronto，was unanimousl appointed Recording Secretary at a salary of $\$ 800$ per annum．Messrs．Dryden，Hanter，Johnston，
Gibson and Snell were elected ${ }^{2}$ E． i iting Committe aibson and Snell were eleeted E．E．titing
ander the control of the association．
ed．Finance and other committees were also appoint．
Ceachiussions took place as to the best method of reaching all the breeders in Canada．It was
decided to issue circulars and send letters to all breeders inviting them to join．
Mr．Johnston moved，seconded by Mr．Hnnter， that＂Whereas the breeders and members asosoci to carry out the objects of the association ever member of the association pledges himself to send in at once，or as soon as convenient，all pedigree
which the which they intend to record，and they urge apon
other members of the association and breeders in general to co－operate heartily in this work．＂The resolution was carriced
The meeting then adjourned，subject to the call

## Overfeeding Stock for Exhibition at

 the Pairs．
## by A．b．allern．

This has not yet been followed to the expensive and destructive extent in America that it is in in
England，but if not speedily checked in its incipi ent state，our breders may soon grow up to the same folly．
Excossive
Exxeesive high feeding for show at fairs，or
what is termed＂＂trainin，＂
was littlo practiced in What ind termedious to the year 1850 ．After this it so rapidly increased as to deatroy the breeding
power of many very valuable animals，which power of many very valuable animals，whic
might have contributed not only to the wallth of their owners，but also to that of the conntry，by assistung in a more rapid increase of improved
stock．
The Shorthorns Mr．Bates exhibited at the an
The nual Royal A Agricillurara Society＇，Show，at Oxf ord， in July， 1839 ，were the Oxford Premium Cow，two Duchess heirers，and his
Northumberland．These were travelled on foot about 20 miles distant from his farm at Kirklev－ ington to Middlesboro，on the river Tees，and
shipped thence to London． shipped thence to
these ine animals were travelled on foot to $O$ xford， about 60 miles，as no rall road then conneoted the the
two cities． On each of these animals Mr．Batee

 merely in good travelling and breeding condition
The stock at present usally shown apon such The stock at present usanally shown apon such
ocaasions are so loaded with fat that they could not travel a single mile，particularly on a hot day without danger of dying rom tlee exertion． When prizes came to be awarded by the judges，
at agricultural societies fur mere fat and flesh， at agriuculturat to fine quality，superior anatomy， and choice pedirree，Mr．Batese gave up exhbiting
his catile for prizes although he continued to show his cattle for prizes，although he continued to show
them for the inspection o the public． Lord Al． them for the inspection
thorp（afte－wardo Earl Spencer），as well as some
sheir
 stock for exhibition except for the ounual Chin they
mas Fat Cattle Show in Lond on，wher the coachanly took prizes Ior ouch as werbinet，and
or the butcher．Mr．Booth．Lady Pig＇t，and other celebrated breeders，after ruining many a
valuable animal for breeding purposes，wisely came valuable animal for breeding parposes，wisely y am
to the cooclusion to abandon exhibiting them at tine cattle shows，for they found this did not pay and，moreover，it was too sad and diaheartening
witness the loss of so many splendid animals．
Distemper in a colt takes about three weeks to con its course
dose of $E$ Epsom salts，say four to six ounces，and good nursing．Give warm bran mashes，linsec
or oatmeal gruel keep the animal warm，and rul the legs with cloths dipped in hot water？a table spoonful of mustard in the water would be benefi cial if the legas seem to de weak and numb．

Absorbents．
In the stabling of stock yarions＇materiale aro
ased to absorb the urine，and that to to prevent it from essaping to waste，as well as rotaining it in be its oollection in tanks．The material uese
 ferent localities，and it is to be detormined by eagh
farmer for himself．Where straw is is ased farmer for himself．Where straw it used
bedding，this of itself collects the watery manire and conserves it in its pores，while the putresoen material thus collected acts，in tura as as Primentin
the presence of the oxyten of the in the presence of the oxygen of the air．In many
portions of our oountry the beest uae for stra⿻二丨．
 be utiized or can be sold at at price Aboye．ty
nominal value for the purposes of the coity getilet
 itseif may act as an absorbent，espeoially wher
the urine can be collected in guttera
， of itself on the pile．In some parta of the Kastorn States，where horses and cattlo are kopt anth the
same tarm，the horad dung is placed behind tht cows＇，in a trench，in order to abborb the urine
and mix with the dung of the barn，At other times，and in other looalities，dry past makeet an ever，apt to make a fine dust，whioh is oarried by the currents of air，and thus annoyn the diury
farmer by lodging in his nill Perhpat the beat
 only to absorb moiotare from oattie，but epven as a

 hesive property．Generally spaaking，however，
that kind of earth is used whioh is most convenient． The amount of absorbent uev，or evern necel． sary，to proserve the excreta of animals in analid
form caunot be definitely stated．The $E$ ．

 essyists uses 24 lbe．per head daily in open yerrde tit is to be remembered，however，that in England straw muzt be oonsumed ont the farm or oonverted
into dung．Boussingult remark that lititer of urine，and also that no matter what quantity of litter is ased，some of the urine will rua through． While not deposited to agree with the entatoment，

yet we consider straw by no means the beat | yet we |
| :--- |
| sorbent within our control，although ciroumstanoes | may make it the most deeiroble to uee．A good

dry sand will absorb twenty or twenty．ive pear dry sand will aboorb twenty or twenty．five per
cent．of water，before it becomes saturateod，while
 will absorm far more，Some e peaty poile will even
absorb double this quantity．
In thooe portione of of our country where eoonomy is most neodet，refune
dry litters of all kinds are uned，but the dirt
is the stand－by．This is sprinkled or anaded on the tloor of thhe liintelse in in order to properent the drag from
sticking to the wod，while
 removed daily and replacoed by freesh material． Fard if corses，gawdust is orten used as a bedding， and，
serves a grod purpose，and does
no
injury to to the server and
manure．Hard－wood sawdust is，however，prefer－
able， able，and the shaving of of a planing－mill＇wiil do
about as well，or porhapu better．Care moat be
 exceess，it sems to worrk in inanry to the soil to whit
it is applied，especially if of a clayey nature． it is applied，especially if if of a clayey nature．
Bat lew farmers a an a fird ord to use more absor material than is needed for the purpose and bat
few oan afford to ase none at all fo
atable animate for the urin is in all canees a most valuable portion of the excreta．It is for each one to use the ab－
sorbent
 should be taken which woold tend the most to and．
value to the soil－$[$ National Live Stock $J$ ournal．

Breeding ewes will thrive better upon bran than upon corn．Bran suplies the needed nutriment
better than oorn．ootar are next in valua to bran．
Sen each of corn，rye，buck wheat，oatat，and bran mixed combine all the needed and most nutritious food elements．Ne pint daily will be a arir allowanoe
One bubhel tor 100 sheep is a common ration．

How the Cattle Were Fed Which Took the Farmer's Advocate Prize duin rioffod uifor $\mathbf{1 8 8 1}$.
${ }^{5}$ The herd which ${ }^{\dagger}$ won our prize of $\$ 100$, contisted of the ${ }^{8}$ following steers:-Ist Canadian Chatimpor, light roan, 28 months old, weighed $2 ; 000^{3}$ Pbs. was shorthorn grade of two of Booth to which were by Cruic pure white age $3{ }^{j}$ months, weight 1,900 lbs., was a thorough bred Shorthbin of the Booth family; 3rd, Young Pibts, red roan, 41 menths old, weight $1,920 \mathrm{lbs}$. Shorthorn grade of three crosses, all of whieh were by 'Cratiokthank's bulls of the Booth family.
Til These buthe were owned by Mesirs. H. \& J Groff, Almint, Ont Their system of feeding is a follow: When calf is dropped the cow is allowed ton firs for the first lour de the the the
boiled peas and flat-seed with the liquid in which they were boiled is added, hot from the furnace; as soon as one meal is fed the feed is prepared for the next; the box is all the steam kept in. In feed is well mixed and all the stea is given suitable to their age.
The above food is given three times a day, and as soon as it is eaten, at norning and noon, as much cut green corn is fed as each animal will eat up clean-no green food is given at night, for when
the cattle he ve eaten their evening meal of steamed the cattle bi ve eaten their evening meal of steamed food they are turned into the pasture.
it is noticed that an animal does not eat well, the it is noticed that an animal does not eat well, the quantity of food given is diminishec. Neal always more than the beast will eat at the time, and keep food boxes clean; this is verying. Occasionally spriakle a little salt in the boxes or troughs after feeding, and always sprinkle salt on the boiled feed
letting the dam suckle her own calf; but in cases where it is desirable to dry the dam for iany reason, another cow is procured and the calf allowed to suck her, and the dam milked for a short time until she is dried. They have found it preferable to keep the calves in the stable during the first summer. This they think advisable because the calves learn to eat mach sooner and better, they grow faster and do not worry the cows or themselves nearly as much, and are protected from the heat and flies, which they think is important. As soon as the calves can be indaced to little bran at about six weeks old), they are fed a and oats at first, as much as th to well, bran time, and as soon as they begin to ext well, bran and boiled pead, with a the feeding more than hree times each day, here but always as mach they will will Beatore the grass or green feed comes in, a little hay is given, clover hay being month the oalf if allowed to suck three times a sprinkle salt on the boiled feed.

day, but after the expiration of one month, only twice a day. They allow all their calves to suck antil they are four months old, and sometimes let pasture while suck six months. Wenerally give each cow half a gallon of bran each morning and night; this is continued until about the middle or end of July, or as long as the pastures are good and the weather cool; but, when the pasture becomes poor, the weather hot and the flies troublesome, they kept them in a darkened stable during the day, but allowed them to ruu out in the fields at night. When kept in the stable during the day, they are fed cut straw or clean when luth a few boilod peas, a wenty head of cattle atile food. give 10 bushels of when on grass at peas, 1 pint of flax.seed boiled with the peas. In peas, 1 pint of flax.seed boiled with the peas. or cut preparing hea bran is put in a large feed box, then the

Fer winter treatment, the warm mixed feed continued, but a little more is given, and in place of pasture and cut green corn, hay and cured con staks cut up with pea straw in equal proportion and fed turnips to each beast, but do not believe in giving too many cold roots in winter, considering the warm mixed feed mah betc, especially th three pecks. furnips par day; to the fabo cattle they give about one gallon of pea meal day mixed with the warm mixed feed and divided into three meals. They fatten off their cottle be tween two and three years old, and they hold that all cattle should be sold to the butcher by the tim they are three, in order to give the farmer the best results.
The above is their method of feeding cattle over two years. As before stated, they allow their calves to suck from four to six months, generally
referred, and, if it is a season of the year whe roots are fed, they give to each calf a few cot fine twice a day. But as soon as green food can bo obtaine.1, it takes he place or and roots, and is fad three times a is fed in the early summ, traw ontter and fed turnips in trough The alway turnips in a trough. allowed to run loose in box stalls, being carefart all get their share, for if large and small were allowed tc run together, the large ones would thrive at the expense of the smaller. Plenty of fresh water must be supplied in abundance, three times a day during the summer a:d twice a day during the winter. This treatment is continued until the beginning of the second summer, or until atter they are twelve or sixteen months old, after which time they get the same treatment as the aged and reeding cattle. The breeding cattle are let ont on
the stable each day during the winter, just long
enough to drink and returned to the stable; but the fat cattle have their water carried to them. This is done for the parpose of keeping them quiet and warm, and it is found to pay. They think in all eases it pays better to keep an animal growing
from the time of birth to maturity, and at no time from the time of bint feed or water.
$t o$ stint it of feed or water. and plentiful feeding, they also consider good and plention warm and cleanly kept stables and gentle treatment of vital importance. They never allow a dog in the stable or yard, nor persons employed to be noisy or rough when amongst or near the cattle. Nor do they allow their animals to become dirty. All are curried and brushed at least twice each week during the winter, but they prefer it done once a day if possible.
The cost of feeding the above steers, which won our prize, is only given for the three months previous to the show, which was $\$ 30$ per head, $i$. e., $\$ 10$ per month.

Besides the Messrs. Groff's, there were three other very fine herds shown. Mr. James Rus. sel, of Richmond Hill, Ont., showed three pure bred heifers. John S. Armstrong's herd consisted of two steers and one heifer, all pure Shorthorus of good quality. Neither of the above gentlemen gave us statements as to in mode of feeding J. \& R MCQueen, who also compeled with herd of grade Shorthorn steers, in their reporto ing a Shorthorn till three and a-half years old at $\$ 116$.

An Auction Sale of Stock by the New Brunswick Government.
Twelve head of pure-bred cattle for breeding purposes were sold, November the 19th, on the grousas ond the ground muddy ociely. A large number of prominent gealle males, and em braced two Herefords, three Durhams, two Ayr shires, three Polled Norfolk, and two Polled Angus. The prices realized were not high, yet th Government lost nothing by the venture. Te of the animals were sold to agricaltural societies realized by the zale was $\$ 2,455$. The highest price was $\$ 360$, paid for an Ayrshire, and the lowes
$\$ 50$, for a Shorthorn. The above animals wer $\$ 50$, for a Shorthorn. The above animals were imported from Great reserved ty the Government others which were reserved where there will be public sales from time to tim
creases.

When to Feed Grain to Horses. Horses are provided with an unusually large development of the salivary glanids, and an enormous fead of grain or hay. This copious supply of saliva is amply sufficient to moisten and dilate the food, so that it can be digested perfectly without the help of water. Water is absorbed by the coats of the stomach and enters the blood with such rapidity that a thirsty horse wa one time, and the water begins to pass off through the kidneys in such a case, after the lapse of a very few minutes. So that, knowing these facts, one may naturally infer tha ing with more advantage than soon afterward, because in the former case the water has been ab sorbed before the foud 18 swallower, and digestio cannot be water in the stomach, as might happen in the latter case. The best practice is that usually fol lowed, namely, to give the horse a very the morning on starting ou coming in at noon, and in the evening before unharnessing and feeding. This gives time for the absorption of the
enters the stomach.- Ex.

## chints and elelps.

A Verv Simple Log sled.
Many times a farmer wishes to haul a few logs from the forest to an open and convenient place for loading them on an ordinary sleigh for transportation to the mill; or perhaps they may be intended presents a very simple and yet effective sled or drag to haul the $\log$ with. It is simply a crotch or

fork of a small tree, say, about a foot in diameter, to the end of whish the team is hitched. It will cun more easily if this end is rounded, and it should obstructions. Pin a crosspiece across the limbs, and chain the $\log$ to this crosspiece. The log lays more firmly on it hollowed in the middle.

A Cheap Smoke House.
For those who want a cheap, easily-made smokehouse we give an illustration. It is made on a
slight rise of ground, by an archway of brick, at the lower end of which the fire is made, while at the


Fiq. 2-A Cheap Smoke House.
upper end is a barrel or box containing the meat to be cured. The lower end is closed after the fire is well started, to prevent a too rapid burning of the material used for making the smoke, and also to direct the smoke to the place of escape.

## How to Build a Cistern.

We have been asked for a plan showing how to build a cistern, and we now give you one of the best we have heard of. If you only require the wight beck psorposes, A good large cistern or wo would great saving of labor in the dry spell in summer when you have to drive miles for water.
To build a cistern that will last a hundred years or more, be convenient, useful, and supply a large family with good and wholesome water for cooking and drinking parposes, and soft water for cleanin and washing, select a location near the dwelling (generally in the grass plot), and, for a cistern 12 feet in diameter in the clear and 10 feet deep from
the bottom to the spring of the arch, dig a circular hole about 15 feet in diameter and 16 to 17 feet
deep. Soe that there is a good foundation (whlleh is all important), wid that the Botton ilit mad and-s.quarter-inch boards, two thicknesese laid crossways on each other; on this lay two thiok. nesses of sound, hard-burned paving brick in good water-lime cement; then, leaving 12 feat speog in the clear, commence the outaide circulsw wall eight inshes thick, and raise it parpendicularly 19 feet high, at which point commence tunning the argh, with a proper turn, leaving a hole in the topsabua three feet high; it should just come to the toppic on the ground. Also build a partition If with oigh inches thick across the centre of the istern and cap to a little above the , spring of, the Jachequsting eight or ten bricks out of the bottom courniense)a to allow the water to pass fromone side to the bther of the cistern; also build two (low spantitionallone on each side of the centre partition, y each whou two feet high, to hold the filtering marterial All the walls should be built with sound, hard-burned paving-brick, and well laid in good water-lime oement, and the entire ontside of the cister plastered with water.lime cement, io that no water cas get through from the outsides the entire inside of the cistern should be well platitored with Roman cement, to prevent the water lasting of lime; the tops of the inside walls should be capped with clean, flat stone.


Fig. 9 -Sectional Vien of Cistern In and around the man holes in the bottom of the centre partition wall (see engriaing) place lean stoues, from the vize of a hen's egg to that of he water to pass through freely; next have some well-burned charcoal, olean and free from knotty and smoky pieces; break it up fine, from the size of fine shot to that of a pigeon's egg; then pack the filtering places tight and full with the coal to within about six inches of the top, and lay a coarse canvas or coarse flamnel on top of the coal, well tucked in tight around the edges; on the canvas lay clean slate crossways of and near each other; then fill with clean, roundish stonep, so as tokseep all down in their places and not allow the
water to trickle down between the wall and the charcoal, but force it to go down through the coal, when it will be thoroughly purified.
The Governor of the State of Illinois has desued proclamation, stating that he has good reason to believe that pleuro-pneumonia exists in the states
of New York, Pennsylvania, New of New York, Pennsylvania, New Jersey, DeleWare and Maryland, and therefore prohirits the
importation of all domestic animals of the bovine species into the State of Illinois fiom the affected districts of the above named States. Heavy fines
will be imposed on all who break this law. They will aleo be held responsible for all other damagos which may result from their importation.

## The Anairy.

## Winter Dairying.

## BY L. R, AENOLD.

The practice of having cows come in in the fall inetead of the spring has been developed in the interest of fresh butter, and whenever there is a demand for such batter there is an indacement for those who have cows to furnish it. The public taste grows more fastidious year by year about the quality of batter, and the finer grades are steadily advancing in price, while stale goods are more shunned and are a dragin the markel. butter in summer and holding it for winter use and increasing the winter make, thus giving oustomers fresh butter the year round.
Uheese, as well as butter, is made in the winter, but it is invariably made in connection with batter, the skim milk being converted into cheese, There is not the same inducement for making whole milk oheose in winter that there is in making first-class kutter. It is the reverse of butter in respect to being consumed while fresh. It is the better for age, and on the score of health is objec tionable when new. Midsummer cheese, made in the Oheddar plan, with the whey drawn sweet and the curd kept fine and warm and well aired and well matured before pressing, is better for winter use than any winter-made cheese can be, and is more palatable and wholesome and also
nore nutritious, as new oheese is less digestible
The main object in winter dairying is the manu acture of butter to be used, while it is les difficule to accomphish ing and curing. It is not difficult to make ing and curing. It is not difficult to make proper preparation is made for it; but it proper preparation is made for it; but take it with the ordinary preparations for summer ase, and with the ordinary stock of winter tood for cows. Without rooms in which the temperature can be controlled, loss and trouble wo sld follow in working the milk, and the attempt to make fancy butter out of the straw, corn-stalks and late-cut hay, which often find their way into the barns of dairymen, would certainly be a failure. Butter rom such food will be scanty, white and low flavored, no matter how fresh in milk the ciws may be. If full-flavored, fancy butter is desired, late-cut fodder of any and every kind must be voided and green or early-cut supplied, unless grain is made the principal diet. As good butter nommer if ood butter producing food is provided. There is nothing equal to corn for making high rade butter, and this can be fed better in winter han in summer on account of its heat-producin tendency. But it costs more to winter cows on enain and early-cut fodder than it does on the ordinary kinds of feed; but, since silos have come into use, the expense of winter food has been so much reduced that it is a question whether cows in milk cannot be kept on ensilage and a little grain cheaper than dry cows generally are on their cus tomary fare. Experience has demonstrated that cows will do well and that their milk will be abun dant, and make excellent butter, when their food is from half to two-thirds ensilage. But it is too our to form the exclusive ration. Cows kep wholly upon ensilage fail by degrees in the charac er of their mik. Its butter-making capacity grows less and less till becomes so interior that iberal ase of ensilage must therefore be aroided, but, when used within proper limits, 1 know of no food which can be furnished at less cost. The
ordinary buildings prepared for the protecti cattle in winter would not do for winter dairying They are too open and cold. Cows which are giving milk cannot stand the cold as well as when they are dry, and, besides this, pinching with the milk. Nothing will reduce the flow of milk sooner than undue exposure to cold. No one therefore need eyer think of adopting winter darrying without first providing the means of keeping his cows com fortably warm in any weather.
In regard to handling the milk, it can be done as well in winter as in summer. It is, in fact easier to protect it against too inuch cold in winter labor and 1 o labor and expense of refrigerating will be greall reduced. There are some advantages in havi. cows come in in the tha of labor on the farm. The cows being dry in mid ittle in, terfered with on account of the dairy and the less hurrying time in the winter season will be more fully occupied, thus distributing the labor the farm more evenly through the year. Dairyme in the Western States have adopted winter dairy ing more extensively than in other localities, and there are some special reasons which have led the to do so. Their summer seasons are long and dry. The space between moist weather in the spring and moist weather in the fall is much longer than in the Eastern States or in Canada. Their pasture become parched and dry and water often scarce, and flies become troublesome, and the cows in consequence shrink in their milk so much and for long a time as to occasion serious losses, beside haring the reduction so established that they do not recover from it in the fall, wh plenty again. All this is obviated in winter darry ideration. These cir $u m$ tances do not every where prevail to the same extent, but they are without some bearing in most dairy districts Th the higher price of choice fresh butter in the winter, and the greater $s$.fety and convenience with uhiu it can be marketed, 'are items which should not be overlooked in determining which is the better sea son for producing batter. When all the bearing are taken into consideration, it becomes a question whether even where the winters are lung avorably not be to the advantage of dairymen fare of the dairy interest as a whole, to relieve the surplus of butter in the market in summer by having -F Fa

## O. 1

Taminar Talks on Dairy Topics.
D. HoARd, presinent Nokthwestern d
MEN's ASSOCIATION, Fokt atkinson.

I have a few heads sketched here, which have topics. I might say that the central thoughts will e some mistakes which I conceire are nade by armers. I don't think there is any particnlar
necessity of attempting to instruct manufactu ers The great class to whom we look for help in dairy natters are the farmers, the milk producers. Just raise, Cheese making has ceased to be a farm product. It is to be classed amony the manufac udgment, skill and intelligence, and that cheese manufacturer that is not successtul, is so, as a rule, ore, I say, it has ceased to be a farm prodnction To be sure it is made from a farm product, the same as our clothes are made from the wool that loth, is manufactured in a factory. I want to get at the man that produces the milk. I want to sce
that man's profits enlarged. I want to see hi labors lightened. I want to see his intelligence inhome more cheerful, and the man, and all that be
longs to him, a better produce of this day and
civilization. I have sketched in my mind a few things wherein I think he might make some improvement. First.-I concelve that the dairy
farmer makes a great mistake in his estimate of the cow. I find scattered almost universally, this conception of a dairy cow: " 1 want a cow that,
when I have got through milking her, will make when I have got through milking her, will make
good beef." Now, suppose we take the reverse, and say "I want a cow that when I can't make
beef of her I can milk her." These two distinct beef of her I can milk her." These two distinct
qualities are not found in the same animal with equal power of development, and I can see that equal power of development, and I can see that
the farmer who forms his opinion of a cow on that
hasis has mad ans basis has made a very serious mistake. It is not
good, sound business judgment for a man to throw good, sound business judgment for a man to throw
$2 \sim$ ay ten years of butter production in order to sell thirty dolla1s worth of beef. Suppose a cow
gives 700 pounds of butter and lasts five years, gives 700 pounds of butter and lasts five years, x $700=3500$ poonds, at thirty cents per pound,
will amount to one thousand and fifty dollars. Now, do you think the farmer that will reject that cow, because when he has got through with the worth of beef, is a wise man? He would be like a man who took an old fashioned cent and held it to his eye so closel) as to swear there was no moon.
It is done every day. When a farmer has got through milking a good. cow he should say, "Good bye, old bossie, you have been a faithful servant,
you shall now be placed in the earth. All I can you shall now be placed in the earth. All I can
expect to save is your hide." And that is all he has any right to expect. I believe the farmer makes another great mistake, that is of importance.
and one that has a wide bearing upon his welfare. I refer to the preparation and management of food at crnsiderable excellence in making butter and cheese-while our reputation is good, yet the judgment and economy of our farm management
18 very much behind that of Great Britain. Our farmers have not learned to be econonical feeders. They have not learned to house their stock well. They have not yet learned the best elements
in the management and breeding of rheir cattle Winter food enters very largely into the economy of dairying in Canada and whether $y^{\prime}$ ur cows largely upon how well you tigure the question of ninter food. Eusilage is a result of the eff.rts which are being made in the ea-tern states to solve
the question of cheap yer nutritions winter I scarcely find a dairy farmer who has cut his food. for his cows with any reference to the protit of its seding. I have not heen able to buy this year a
have pound if what I call good hay. If they have got any they won't sell it. I don't believe
that you can go into one county and find ten farmers to day who cut their timothy t efore it
blossoms I think you will find th intelligence has been teaching you to cut your hay greener and oftener. $u$ hat is the most profitable rood for a cow? Grass. How should hay be to
make it the most profitable! As near as possible like grass. Farmers often say, in excuse for cut. bless your innocent hearts ; b:owse will go farther stull ; that is a fact. Cut down bass wood trees,
and let the cows browse on the tops, and it will go and let the cows browse on the tops, and it will go
further than even your poor hay ; but how far will further than even your poor hay; but how far will
your cows go? You can't cheat the cow and escape chea .ng yourself. The onject of plant life,
the whole end and aim of its being, is to produce seed. Until that plant has fulfilled its rission, it struggles with that st ange persistency that looks seed is formed, the growth of the staw when the and the whole energy and succulent juices of that plaut have been drained ont to develop the seed. the result is, that as soon as the seed is formed, words. it ceases to be like grass. The nest
thou in other friengt I come to is another mistake my farmer
fromak. He thinks that farmung is not commercial business. They often tell me they
 you affurd to do? Can you afford to do the whole of this vast amount of labo yourself?
Some farmers are very much
Some farmers are very much like some car-
penters. You can think of certain carpenters that you would not trust with the fine finishing of a house. They are just the kind of carpenters that
never make joiuts
Between one piece and another there will be a gap wide enough for a whole house orip through. The lack of making joints stamps
im as an unsuccessful business man. Not fitting the joints in their business properly, stamps so
many men as unsuccessful, and often between the

evenly as possible．Hen ：Smaller comb than
cock＇s，branching and coral－like；other appearance cock＇s branching and coral－like；other appearance
same as cock＇s．Are a superior table fowl，flesh samig tedider，farioy and sweet；are good layers，
being
eggs 8 perllb．Stand enclosure very well，but do
 if allowed to steal their nests aw way about antumn Are exoeedingly usefful to farmers，being very
hardy and good foragers when allowed to ran out． （To bo Continued．）

## Preparing for Winter．

Now is the time to clean out all impurities from the fowl－house Remove all the interior that is possible to the outside，and sweep and dust out al feathere fi left inside．The old fowls are now get－ ting through their moult，and if the house bas not been swept out every week there will be a direful nuipane of droppings mixed with feathers（the
very founthin of disease）．Old feathers left in the oosting apartments are more dangerous or dam ging to the thritt or poultry than most any other apactments where many feathers have been
dropped from fowls while moulting，and are the hargoper for hosts of vermin that destroy the birds constitution and breed numerous diseases which are easier warded off than remedied．
After the whole house has been thoroughly swept，dash in hot Crevice．Better busrn the old reost
crack and crevice． poleg and replace，with new ones；the hens wil eat much less，day better and sooner to pay for extrat balance the birds better than if narrower，and keep the toes up against the warm body feathers during celd winter nights，which prevent hemal part ime and ashes，and plaster every crack where the wind ia likely to blow through；make the bailding as elose and warm as possible．Now close the ulphur，and leave the house as full of the smoke as possible for two hours．Then open
the ventilator，get in the flock and catch every fowl，whether old or young，put some coal oil on the shanks of every one，dust a little sulphar under feed of bran or oat chop with hot water（just ed peoper salt and sulphur amongst this feed， red pepper，sail to the fowls，so as to fill their crops with it before going to roost．Place a dust box with dry wood ashes for the hens will be better atisfied with that day＇s work than many you hav done before
To protect birds with large combs and long wat thes from boing rosena，the comb，head and wattles， leaving an aperture for eyes and beak；sew tightly on the head，or the birds wis tear when well put to do so．Red flanel warm hood and will defy all on it makes act＂Jack Frost＂to injure those beauti ful appendages，for which all Leghorns and Span it a sure preventative for frost bites．Care must be taken not to take them off too soon in spria before al．

## Dne Variety．

As a rule，one variety of fowls is enough for fitably，and this is especially true with beginners who have to gain their experience in all the varied details of poultry management．If a breeder has
been successful with one variety，has not merely made good sales but has produced birds of such a high order of merit that the stock makes a good advertisement，and a permanent one，for the pay to take up one or more breeds，provided the same care is bestowed upon each variety as was formerly accorded to the single breed，and provid－ ed there are ample conveniences．room and quart－
ers for them．It seldom pays to attempt raising pure bred poultry，of several varieties，unless there 18 ample room．both in yards and houses，for they consequent profit．

## Milk for Fowls．

Since milk is the puly article of food known to the perfection of growth and vigor in an animal，it is not strange that it should be found to be one of the very best egg producing materials that can bo suppl ed to poultry．Given two flocks of fowls， equal in all respects save one，it will be found that those having skimmed milk as a portion of their daily food or drink will give more eggs weekly， reatment is exactly the same，with this single ex ception．A correspondent writes thus；＂A neigh bor of ours，whose heas，to our exasperation kep laving on when eggs were 45 cents per doz，
while ours persistenty laid off during the same
season，on being questioned，revealed the fact that season，on being questioned，revealed the fact that
his hens had a paiful of skimmed，perhaps clab his hens had a palful of skimmed，perhaps clab
bered，milk each day，and no other drink．On comparing notes we each fouad，tuat his single difference－a difference that put many
a dollar to the credit side of his ledger，while our dollar to the credit side of his ledger，while ou this thing had been going on for years，with the esult always in favor of a milk diet．＂In case where milk is very ple 2tifu，andlo only a portion or of ener，to give the milk in form of curd，by heating it until the whey separates from the more solid portions．This is very natritious，and its
constituents so nearly resemble the white of the gg ，that egg formation must naturally follow its use．Let no one hesitat to take from his waste nilk whate er his hens will use，a sured that they
will yield five times over the returns that swine or will yield five times over the returns that swine
any other stock would give for the same amount． American Poultry Yard．

## The Black Laced Parma Fowl．

It is at times pleasant to turn our thoughts away from the poultry yards of our own country to ge like as in our own，the same spirit of enterprise－ the same ardent love and the same zealons care
manifested and bestowed on their native fowls． Every region has its own fauna and flora．And although the domestic birds are more in com－ yet they very often exhibit some peculiar type，
trait or feature，characteristic of the locality or people to which，or to whom they belong In Normandy and Picardy nine in every ten owls show a fantastic or grotesque type or comb branching or depressed combs；while in Sardinia and Tuscany the fowls usually carry the large up－
right single comb，typical of the Spanish or Medi right single comb，typical of the Spanish or Med－ terranean fowls．
popular breeds in the duchy of Parma．Both Parma and Modena carry on a very extensive trade in poultry．Taking the area of the district
into account，they rival Normandy and Picardy in the number annually raised，fattened and slaugh tered；although the artificial methods of hatching rearing and cramm
those of the French
The Black Laced Parma fowl belongs to the non－ sitting class，though the trait is not very strong， as they can be frequently seen doing maternal
duties with as much dilligence and solicitude for their broods as is shown by the game or any other
pood setter or mother．They are a good sized good setter or mother．They are a good sized
fowl，approaching more the shape，size and weight horn type．They are unrivalled as egg producers； authentic accounts have credited them with an annual average of 200 eggs each．Their eggs are
white and large，and in shape and size look like those of the White Leghorp，and their flesh is
equal to the best Italian fowls for the table．But as they are fed largely on artificial animal fuod－ maggots and gr und chestnus，onve oil，lupine， with their marvellons productiveness，and in giv－ ing their fesh a high flavor，for in the process of
fattening a great deal of aromatic seeds and pot The Black Laced are as beautiful as they are useful．They are without doubt a very comely and prepossessing fow－one the amateur would natur－
ally like to possess if they were bred by our
Americau fanciers．The comb of this breed is single，but not quite as large as the Leghorn，and
extends well over the back of the head，and has
four or at most five（points，The eat－lobes are
creamy white，thin and flat；wattles long and pen reamy white，thin and fatt；watties long and pen ong，and well arched；having abundant hackle， lmost approaching a shaw；；back mediun well folded．The tail is well developed and well pread at the base；sickles good length，large and
well curved；legs of medium length and slaty blue in color．The plumage throughout，but breast， which is mottled，is a ailvery white distinctly and venly laced with narrow edgings of black：Th en has alike lacing on each feather on heas，neck
breast，body and tail，and the comb，as on the Leghorn varieties，droops to one side．－- Poultry Monthly．

## Eggs as Food．

Egge are as artiole of cheap and nutritions food which we do not find on farmers tables in the quantity which economy demands．They are very convenient to take to market，and this is the dis position which too many farmers make of them． They probably do not fully comprehend how valu able eggs are as food ；that，like milk，an egg is ： omplete faod itself，containing everything tee． sary for the development of aperfect alma，as manifest from the fact that a chick is proued from it．It seens a myst ther for and and white of an egy，but such is the fact and it nows how complete a food an egg is．It is also easily digested if not damaged in cooking A ramo or soft－boiled egg is always as easily assimilated ABs， is mill and can be eaten with mpanty by children grains，and is worth more as food tha⿱日⿰㇒⿻土一𧘇小，so mpach． beefsteak．Indeed there is no more concentrated and nourishing fobd than eggs．The albumen，oil，and for sustaining animal life．When eggs bring go more than 20 cents per dozen，it is much，hetter
economy to find a market for them in the family than at the store．Two or three boiled eggs，with． the addition of a slice or two of toast，will make
a break fast sufficient for a man，and good enough for a king．
An ordina
An ordinary hen＇s egg weighs from one and；a ounces；the egg of the sea．gult and the tuglkey， from three to four ounces ；and the eggo of googe
from four to six ounces．The solid matter and the oil in the duck＇s egg exceed those in a hen＇s egg by about one fourth．According to Dr．Ed．Smith，
in his treatise on＂Fools，＂an egg weighing on ounce and three quarters，＇consists of 120 ，grains of cent．of carbon，and 2 per cent．of nitrogen A writer in The Scientific，Farmer eathmates，that： the active forees of the body，is to the value of ope pound of lean beef as 1,584 to 990 ．As a flesh prorit ducer，one pound of eggs is about equ 1 to one pound of beef．
A hen may
Af corn yearly，and to to consume one buskel pounds of eggs．This is equivalent to saying that three and one－tenth pounds of corn will pro，
duce when fed to $a$ hen，five sixths of a pound of eggs．But five－sixths of a pound of pork requires．
abont five pounds of corn for its pruduction．Jud ing from these facts，eggs nust bre economical in ally fit for the laboring man in replacing meat，－ ［English Live Stock Journal．

The breeder of pure－bred poultry who is unwill－ ing to invest a few dollars in advertising，when he sesses $n$ ither the tact nor the pluck to oarry on the business successfully．
When your young stock is between five and six months old，separate the cockerels from the pullets
and rear each sex by themselves．When you wish to mate them is time enough to allow them to have
Fowls subject to roup，or where the disease is
ueglected for some time，are more liable to the visitation of cholera than fowls morer liable to the cause the gall bladder and liver are enlarged and
ull of pus． ull of pus．

## Garden and orchard.

## Hedges and Barbed Wire Fencing.

 by hortus.On a trip lately to Owen Sound, on the T. G. fitting of this road and widening of the guage the company were putting barbed wire in place of Besides stylos of fencing, on each side of the road intelligent men, wrineipally farners, and the fenc ing poonaied their attention, atid was a theme of digcussion for some time. Several of them ingisted it was a poor way of fencing, their main objectio notice the wires, and, consequently, would hurt themselves severely, thoogh none knew of any
cattile being injured as yet, still it looked to them catue being injured, as jet, still it looked to them
very possible. On the other side it was maintained very possiole, On the oher side it was maintained conséquaen tily avoid it; no doubt older stock might
beeome hart some time, but young colts and calve acquspomed to ran againgt it woung colt reand calver to see it and ayoid it. The only thing peecesary
to make barbed or any other kind of wire fencing successfal and safe, is to piant some rapid growing and intertwining branohes would prevent any heavy concussion, and offer a springing resistance
to atany animal's attacks." On the railroads where these new fenoes are being prt hp, and we notice lessens the cost, of building, and not so apt to bo burnt down during summer fires, and thus conduct
fire to bividings and grain, as, was the case ip many fire to buildings and grain, as was the case in many
instanceis during the drought of Jast fummer where botirid fenceis Were used. On the railroads, we repent, there is fways spontaneous or indigenons growetr coning ap all the time that wil soon hide erally compossed of second-growth oaks and maples,
with But for the farm we recommend either berberry, ackthorn or honey locust, or instead or thes
three a continuous ow of Lombardy poplar cutting id made one fobt fops and planted two feet nain points 1 Tht, as a widdbreak; 2nd, as a fence, 3rd, making a solid fence in connection with wire,
4th, as sthelter for catte and causing snow to lodge more evenly, instead of forming large drifts and coinhagies that perrse the FARMRR'S ADVocaTre. onetyear or two-year wodar one foot long. They nay be blanted in fall, if time will ally, w, if not platitito. To parties in intending to migrate to Matitooba or farther west, let a part of mour equip merit be 1,000 cutting of Lombardy poplar; als ar. This is the tree for the Prairie Provinces without d diubt, but we have a lot to say about the silyer- -eaf poplar, and will make it a subject
for zifother time, for the present we have special or zutheter time; for the present we have
referetece to hedges and Iombardy poplar.
One thing any grower of hedges can always re-
member-that the treatment necessary for a deciduous - thedge the treatment necessary for a de dent that drops its leaves in
con
 expedicicrberry, buck thorn and hopey locust grow asity and rapidly from seed. It may be procured from nurrerymen or seedsmen, Some nurserymen
make a specialty of growing hedge plants, and offer theim at very low rates. To grow them from seed prepare a strip of land where the hedge is to grow
either by digging or plowing and levelling into ither by digging or plowing and levelling into
hape; in the ceutre of this draw a drill 2 inches deep, sowing the seed therein thinly; cover evenly
and mulch with a top-dressing of long manure or other fitter.

The best way to keep grapes is to wrap paper ound each bunch of grapes and pack away in a
oud keep in a cool place where thermometer will not gobelow $30^{\circ}$
Coal ashes have a wonderful effect upon pear
trees, especially those growing in light soil. Our ashes of last winter were used around trees in grown anything in the orchard. Some that were even sickly, and apparently ready to give up their
hold on life, have been restored to perfect health by this remedy.

## The Cobsebertiy.

## BI B. GOTT.

The increasing importance and value of th small fruits is now very generally and most readily admitted. Some of these are far more necessary others on account of their better adaptation to our wants and inereased facilities of their production but whether more or less important, all are useful, or as we feel it, indispensable Among fruit small sumnier fruits or berries, as strawberries brackerries, raspberries, gooseberries, carrants,
grapes, \&c., in direct contrast to the larger o stapie fruits of the country, as apples, pears, plums, quinces, \&c.; cherries and peaches are almost al ways classed in the small fruit list. of the class
of small fruits first enumerated we prefer at present to say a few words about
the cooskberby,
not becanse it is the most aseful or the most ex tensivaly caltivated in this conntry, or because it
is the most valuable, or even because it is the s the most valuable, or even because it is the
highest and best flavored of the list of small fruits, or becanse it is the latest introduction or novelty, as they sometimes say-for none of these reasons,
but simply because we are moved in that direction but simply becanse we are moved in that direction
just at present. At the same time we may be al. ust at present. At the same time we may be al
lowed to say it is not by any means least or oven last in many of the good qualities mentioned, that
distinguish many of the small fruits of its olass, distinguish many of the sman irnuts of the fais fass
Age allowed to state that far more important and essentially valuable in the daily uses and family economy sively grown and brought to the highest perfection, by the people of Great Britain than byl thoted of America. It is well known that the gooseberry he world and are misters of universal admiration The reason of this is because the climate of their country is more favorable to the highest develop ent of this fruit and are well adapted to
its colture.
The soil best adapted to its requirements is a
strong clay loam, thoroughly drained and and easy culture, the bashes (as we much aresfu gooseberry bushes to gooseberry trees) should be planted in perfectly straight rows, six feet apart
each way. This will require 1,200 plants to an ach way. This will require 1,200 plants to an
acre and will give plenty of room for purposes of culture, weeding, ventilation and gathering of the fruit. During the whole growing season the
ground mast be frequently aud thoroughly stirred, by means of hurse cultivators or scuaflers, as they are sometimes called, and afterwards hoed close
around the bushes, and all weeds must be dilligently kept out. For stock to plant enquire of
most reliable nurserymen for well bushes of not less than two years nor mors than four years old, and see that they are healthy and
abundantly supplied with good growing fibrous bundantly supplied with good growing fibrous
roots, and plant as easily as possible in well preprepared ground, as directed in the last number of the ADvocate. The stock should not cost you less
than $\$ 3$ or more than $\$ 5$ per hundred, as it is readily obtained at these figures. The second year readiy obtained at these figures. she second year
after planting, the young bushes should begin to
show you some samples of their fine and delicious show you some samples of their fine and delicious fruit. In regard to which are the best varieties,
there is much difference of opinion among the growers. Lroality and climate make all the dif-
ference possible. In this climate, and the somewhat $\rho$ culiar condition with respect to the inconstant strated beyond a doubt that the American gooseberry seedings raised among us are decidedly the best. Thic is not saying that they are the largest,
or the finest flavor, or the finest hues and color, but that they are the surest and some of them are fine in size and excellent in quality. In Eng-
land, which is apparently the home of the land, which is apparently the home of the gooseberry, the fine, large, handsome varies they
successfully grow are almot endless, but to at.
tempt to reproduce these under our conditions of tempt to reproduce these under our conditions of
climate, would only result in disappointment and climate, would only resalt in disappointment and
total failure. What is the reason of this, you
What time there are mony fore cause. At the same
tine acceptable fruits successfully produced under the conditions of our
climate that cannot be even attempted in England, our fine grapes, peaches and tomatoes for example.

IT8 w8ss
These are numerous and woll defingd, as Avery good caterer to our tables Well understande In a


 this purpose the fruit is gathered fand sarefuly
cleaned of stems and calix. They are then placed in cleaned of stems and cain. Hey are then placed in
the jars and boiling hot syrup is poured over them,
two or three times in succession. TTe syrup is


 fine quality ond, very pelishable to monoto Po The pro cess lor the manufactare of A preserre i i 月omemeqhat
similar, only that for the base of the gyrup gagar is substituted for forinegat. If thi the ayrup sithogar
 gooseberry countrias where they are largely grow wn,
every imall boy and girl is fully aequainvods with every small boy and girl is fully aequaintod, with
many of them. They are then ueod iot sultoes, fin
 ingly relishable and healthy in whatever they ratace
preferred. Prosperons is that ootuthy and happy
 for the gooseberry is more eessentililly yheproor meen's ruit. But you must now for $\sqrt{ }$ moment glanoe' at cts enfmus,
for they are numeroas, as in the dane of imodt other
good thinge mercifully given as? 9 Thie ₹ehamieg 1 of the gooseberry (by which wel mean those ailasitothe gooseberry (by which we mean those attiko.
nistio forces which attack it differ both in the
loanity the climate and the woil where the athition looality, the climate and the woil where the Arditis
cultivated cultivated. In England, where this frait is andiet succespauly and and lesand deadry than, its the omise in ith
less numerous and us. The reason is andoubtediy the differende in' the climate. The enemies of the goosebeirries thist /we
are forced to cope sith; are eounspirutonsly kinds, viz., wegetable and inseet; both bive very "abo structive. The vegetable is a parasite and "is odb. served in the shape of a fangui or mildow The
nature or direot cause of this dead fuhisur is not at present well understood, but its effocts are im mediately to deatroy the orops this it does "oy thickly enveloping the frait and appropriating the
juices to its own grow th and develophthert, nay have seen it on the gooseberries in youe garden and perhaps wondered what it was own other enemies are insects, and the mot prominent
of these, is the curraint, norm of these, is the ourrant roorm; in out experienoe carrants, and as long as gonsebierry Meadves 'oan be got in good condition, it will scarcely look further its eggs very early in the spring on the undervide of the leaves, and the young worme feed vorideintusly on the soft and tender partes. So numerous do those
worms (or perhaps they shonid beilculled pillars) appear, that in a very shont time the plant is completely stripped and the fruition oensequene perishes. Another very injurions insect atiticoltsithe
fruit instead of its leaves jor is the worm; it attacks the red and white currante as well. This insect is also a worm and feeds on the internal egy and son egy and soon hatchas and at once make its way
into the very heart of the berry; as soon as whe berry is quite scooped out it attaches another to
itseif by means ot silken itseif by means ot silken corde and dreats that ex-
actly the same, and before it arrives at maturity or is done eating it will go through some ten or twelve berries, When these insects are numeroas, av they
sometimes are, a bush loaded with fruit only leets sometimes are, a
them a short time.

## the rbmedies

are, not very clear and are expensive in their appl Fation. For the milddew thereis no known remedy For the currant worm, powdered white helebore
is extensively and effectually need, For the goose. berry fruit worm no remedy can touch him oxcept
hand picking, which is both very expensive and tedious.

Have shallow bins arranged for your fruit, Care-
fully sort your apples; in one bin place those that fully sort your apples; in one bin placee those that
have been carefully picked, and that yun deaire t? keep antil spring, and in the other bins put the
windfallg.

 of the papery only Give fall name, Poet Ofice and Prov
 communications. to be noticicd. 4. Mark lotters "Printers
Manuscrit


Sris - I beg to herewith hand you a copy of a onthe 31st October last, and a eopy of which 1 forwarded to the editor of the Mail on the 30th inst, withat request or named paper, but which, wp to the time of writint, nas been refused an insertion in either of these nominaslly d provipcial, but in reality Toronto
iounals, in the hope that you will make room for journals, in the hope it in your wide oirculated journal, in order that it in your widely or
the farmers of Ontario may have a practical illas-
tre tration of the fair play which either their interests
or their representatives may expeot at the hands of or their representatives may expert
either the Globe or Mail, when they run counter to the aul-grapping nity of Toronto.
While it is is not for me to express an opinion as to
the matter contained in my letter, I think I may the matter contained in my letter, I think imay
be permitted to say that, written as it is over my ow permitted to say hatiat, by who, however unworthy of own name, an is an elected representative of the
the position
farmers of a not unimportant section of this profarmers of a not unimportant section of this pro
vince on its Baard of Agriculture; it should not have been refused admission to their columns withoot good and sufficient reasons--reasons which
might, and, I venture to think, will have to be might, and, I venture to think, wil havo to be
made public before the candid reader of my letter made pune to any other conclusion than that the
will oome to will come to any
course of these journala in this partienlar in.
stanee afforde strong presumptive evidence that, sourse affords strong presumptive evidence that,
sotwithatanding all their political squabbling, they
not have entered into a solemn league and covenant have entered into a solema league alo of Ontario
to, so far as in them lies, , make the whole mere hewers of wood and drawers of water to the
all-important city which is their common home. all-important city which is their common home.
Were I not afraid of trespassing too much on Your valuable space, I should like to point out how,
ever since 185S, the citizens of Toronto have been striving to monopolize the Provincial Exhibition not out of love for its proprr objects, but as a
means of drawing away from other cities and towns their trane and centralizing everything within
itself. And I cannot helo adding that I entirely agree with you as to the impropriety of tacking on to our agricilural exhinitions the various "attrac-
tions" which have recently become so fashionable. Such things would be much better left in the hand
of a Barnum.
Yours truly, of a Barnum.
Peterboro', Nov. 14, 1881. John CARNEGIE. To the Editor of the Globe.



 pubic can be reached, as. if it were, it would not only be uqe



 anything written in the interestst of "Canad, "Great Fair,"
that my leter would not hate been held under consideration
for a week, and then presented in the garbled form in which



Prizes....
Forder
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Gate keepers.
Jungene
City of Toront

$4.00^{4010}$

Haking a totil of.



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 by any means. Turning to the reports of the Ind.
find among tis receipts such items at the oflowing.

Citv Council.
County
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county Council of ork.
Netamount on subserition recoived
Electoral Dis. Agricaltural Society

 $\qquad$

Total ou:side reccipts during 3 years $\approx 22,887.65$
 Clation in the fenge in which vou use the word in the extract
Whys. air. the Provincial Associa
uoted from vour articice


 been conducted by the (Trornto) Assoctation it would have
vielded the sane amount, it tit cear that the Council
Ast the Asposiation granted to to
more than was their due.
Then, sit,
 reduced the nttendance, and consequently the rece th '
also
reminds me

 hat a knowledge of the fact that the exhibtion was to be
hnder the immediane patronage of their excellencies was an
The

 horsemanship by ladies, the ganeses of shool chilidren and the tion." And vet, with all these spe cial att
earning of 879 only neted some 5 , 00 .

 spare charges, for which the Provinicial makes little or in
corresponding charves, the exhbibicion of 1880 ouly nettod
out of

costiness of the man.







 end
he encouragement of agriculture need nolioy werhaulh regarare to
But
 Peterboro', October 31, 1831.

NORTHBRN EXHTBITTON, WATKERTON Sir, -This exhihition was held on the 4th, 5 th,
6 th and 7 th of October thereby clashing with 6 th and 7 th of October, thereby clashing with. both Guelph and Hamilton shows; but notwith
standing this drawback, it was highly snocessful standing this drawback, it was oxhibits, spectators and also finanin the way of exhibits, spectators and also han,
cially, and the directors can congratulate them. selves upon the fact that they are reducing their
debt and will soon be able to issue a prize list that deht and will soon be able to issue, a prize list thas
will be more satisfactory to themselves and the wiublic. It is also gratify ying to the Board and pro-
pars of the exhibition to find that the farmers moters of the exhibition to find that the farmers
and general community of the north-west portipn and general community of the north-west portion
of Ontario are at their backs and begin to appre. ciate the exhibition as a place, of busininess wherere they can buy and sell stock, grain, implements,
etc., etc. But for the success of our shows in gen. etc., etc. But for the success of our shows in gen-
eral it is the opinion of your correspondent that it eran it ioly desirable that the public should be on
is not only
hat hand at show time, but they should take a lively in,
terest in our annual meetings. Let them attend terest in our annual meetings, Let them attend
in good time and come with memo's of what they have seen wrong and where it can be vended; turn the drones out of the Board, and pat, workers in
their places, and let the new Board feel that thes -the prembers - have an interest in the exhibytion -the members have an in to see it succeed, and that if from ten to twenty five dollars a piece from all the members
present would pay off the debt of the Sociefy, present would pay off the debt of the Sociefy,
they are prepared to do it. Such neetings as this they are prepared to do it. Such meetings as this
would encourage the directors, and they wauld work with re-doubled zeal, and the result woudd
be that our exhibitions would be more worthy of be that our exhibitions would be more worthy of
attendance. AN OID STAGER, Walkertoxi, ont.

SIR, I never lose an opportunity to put in a wish I had taken it seven yeavs ago when II ooml menced farming; it would have saved me' thonsand dollars that went buying experietioed.
There is far more practical information for smiall capitalists, at about one-six th the cost, than \& 6 contained in "The Fiold. If.. I have beed "experí on to a new plaee last October ( 480 acres) e (and having no land broken, I! determined to see what onld be done. A cer breaking about wwoacte arly, I pat on the cross plow and subsoiled about nine inches.' Mywbeits carrots, parsnips and onions were immense, anid out of a patch of potatoes, 60 by 30 ft, we fed all
our house (seven) frem 15th Jaly, and tonk up our house (seven) from twa hens' eggs. Our summer vegetables were All:I trust that when you next come to Manitoba
you will make time to pay us a visit, and see the you will make time to pay us a visit, and see the
stock-rai ing country east of Red River. MIforgot otell you of my hay. I commenced cotting on une 24th, one month earlier than nsual, amidtt
 horses and cattle," ete. Result : Beautiful green hay, and never a blade of waste. Cut Monday, green and sweet. I used no salt or lime. I don't oelieve hay ever heats here unless wet, and it was above my waist and some to my shoulders. Our doing all 1 can for you whenever opportunity
occurs. J. F., Cook's Creek P. O., Manitoba
Sir,-I notice in this month's number of your valuable paper an enquiry from Muskoka relative
to Manitoba, as to the nature of the soil and method of farming there. The majority of the Muskoka settlers are well acquainted with me; 1 have traveled through the greater part of the dis-
trict, and I am well acquainted with its resources. I have also spent this season since April in Manitoba and the North-west, and had a good chance
to compare it with Ontario generally. But it suit everybody. Some three years ago I met a man in the Nipissing country who had been to
Manitoba and retirned, and had taken up land in Manitoba and retirned, and had taken up land in
Nipissing in preference. In July last I was in Nipissing in preference. In July last I was in
the Parry Sound district, and was told by a man
who had just returned from Manitoba and bought his place back (which he had sold before going),
that he paid $\$ 175$ to.get it back. On the 22 nd of
 as can usually be found in Muskoka, was looking for land in the North west, and would not return to Muskoka on any account to farm ayain; and I
have met hundreds of the same opinion. The soil varies in different localities; in some places there is a greater depth of black muck than in others,
but it ranges from two inches to times with clay and sometines with sand or gravel subsoil. The usual, mode of cultivation is first to break the prairie in the spring, which can be done quired the first season, it can be sown on first breaking, or as some do, sow on the prairie and plow it in light, which gives about half a crop. I raised this year on first breaking 40 bushels to the acre of wheat, but this is unusual. Fur potatoes the sod is turned and the potatoes planted in the furrows and the next furrow turned on top of th-
potatoes, where it is left till they are dua; this gives a fair crop. In July and August the farmer cuts hi prairie hay and begins his back-setting and cross-plowing; $t$ back-set he turns the furrow
back, cutting an inch or two deeper, and this leaves the ground ready to sow on in the spring. an ox team will break on an average one acre a
day.
J. W. V., Orillia, Ont.
can stray dogs be khlekd?
Sir,-Cans you or any of your numerous sub-
scribers tell the process of manufacturing plug tobacco from the raw dried leaf? A friend pla quantity of very fine leaf, and would be much bliged for any information regarding the manuIf a t night, am I liable for damages if $I$ shoot the dog on the spot? Subscriber, Winona, Ont.
[It is lawful to kill a dog when it is caught in
the act of killing sheep, but not otherwise. Will some of our subscribers reply to the first question

Sir,-I suppose a few notes about the crops
would not be altogether uninteresting. At least I ways Jike to read the accounts of farm crops in ther places, and I suppose human nature is somehat alike in general. There was more oor than ever before, but ei her from the hard winter juring the germ or from the cold spring, corn did ot come up well and it had to be replanted in rew so well later on that a large crop was anticipated, when the terrible droath of Angust and eptember withered the crop prematurely and
leaves about two-thirds of a crop, or 70 to 80 bush. of ears per acre. Oats and hay-a very heavy crop. Barley very good, fully np to average, but
a large portion of the crop colored. Fall wheat large portion of the crop colored. Fall whea and further south, in up and sowed with spring rain, and the crop very poor on the whole. Spring heat, very litile sown; crop good where grown ere struck with the drouth, but have grown fast he last two or three weeks, so that about three uarters of a crop would perhaps be about the oct., so that wheat, whether sown before that time or not, has very little top, though it has grown
ve. y faet since the rain commenced, as it has been warm and rainy most of the time. Apples a very warm and rainy most of the time. Apples a very
short crop, and selling quickly at $\$ 2$ per bl.
SUBSCRIBER, Wentworth Co., Ont.

Subscriber, Wentworth Co., Ont.
Sir,-Can ynu give me a good and safe remedy
for white worms in a horse? Is it safe to use raw linseed oil and turpentine, and in what propor tions? We can only get solids ont here by mail, and as we are 100 miles from town we can only get
articles at the stores which are in regular demand. I wish to know how to enter a thoroughbred calf
In the in the herd book. Is it necessary to register the date and name of sire when the cow goes to him,
or can you enter the calf when it is born without or can you enter the calf when
taking any preliminary step; whre should I send tise particulars to have it renongs the horses which
disease gning the rounds amongt they call Pink-eye here, and no one seems to know
what it is or exactly how to treat it. The first symptoms are dullness, a slight discharge of watery
mucous from the nostrils, great heat in the chest, heavy .breathing '.(not wheering-more in \| the
their loed or days, and in aggravated cases break
out along the neek and in the flanks. With thea horses it is generaliy fatal. My horses had it, and
I gave them warm boiled feed, chilled water, I gave them warm boiled feed, chilled water, a
good dose of spirits of nitre and good tose of spirits of nitre and gentle exercise
and they pulled through in a few days.
Can you tell me what it is from the above description?
A. C. H., Glenfell, Manitoba.
[Raw linseed oil and tarpentine is a safe remed 2 oz. of turpentine. Mix well and give a dos every ten days until the animal is relieved. When you wish to register Shorthorns, give the age of the numbers of dam and sire. R. L. Denison,
Toronto, On.t Ont., is Secretary of the Lecen British American Shorthorn Breeders' Association Agricultural and Arts Association record of the November number of the ADVOCATE, page 281, for particulars concerning Pink-eye.]
when to cut underbrush
Sir,-Permit me to enquire through the medium to cat brush so as not to be troubled with a regrowth. Most persons will have observed that in been cut, there is a vigorous growth of aproute which retard the rotting of ths old stamps and ccasion the farmer considerable trouble. At other mes not a single twig appears, the stumps rot
rapidy, and no difficulty is experienced. Please infurm us through the ADVOCATE if this arises from the time in which the cutting was done. If so, which is the best time, summer or winter, spring and is tho same season suitable for all kinds of A. S, Colchester Co., N. S. [We have found the late fall months or the early
part of the winter the best time to cut most hard ood underbrush. We could not say which is th proper time to cut alder or scrub oak. What some The moon has no influence in the matter.]

Sir,-Permit me through the columns of your alhable paper to express the objections and
others have as to the manner in which ou xhibitions are held. Frrst of all, we conte d tha ole get the prize; and second, we say that there are men appointed to act as judges who are in no way capable of performing their duty. And ontil hese and other ot wecl renser which at present I will -are removed, we must expect our exhibitious to Call to the ground, as they have been doing for nt course, but I think you give too much in or mation from American writers, and do not give Canadians a fair show. Malcolm McIntyre,
[Mr. McIntyre is quite right in regard to award ing prizes and giving positions to persons who do
not deserve them. That is the cause of the general and just condemnation that is now visiting or years and knowingly and wilfolly continued in hat course. Any exhibition conducted in such a manner is sure sooner or later to come to grief. he most successfust exhve the greatest sway In regard to your complaint about American writongs appearing in this journal, have not the articles L. B. Arrid be on Cona country the dairy intrest? Who in Canada has given such correct accounts about the diseases of stock as James Law and Manly Miles? Have any of our plants and agricultural information as our Washington correspondent? The fault lies with Can-
dians, not with us. They have opportunities, but adians, not with us. They have opportunities, but writers in Canada, and they have contributed frequently to the ADVocatr; but we wish to furnioh the best and most useful information from any

## window boxes.

For those who have many plants withnat the $\begin{array}{ll}\text { onvenience of a bay- window or conservatory, there } \\ \text { nothing so convenient as window boxes. } & \text { One }\end{array}$
in pots would fill the same space. But this is not the only advantage derived from their use; it of. You can water chem for plants thus dispoged It is is mono coleanly plants with very little trouthe
boxes ars far mofyly arranged in boxes are far more attiactive.
Last winter I had s
yard long, fourteen inches wide of zine, stize, one in depth. A frame of wood two inches wide and stained in imitation of walnut was put outidide a he top to give strength to the box, It was twi
nches thick, and when put on was evcn with th
dee of the and
 Geraniums
M. D. ${ }^{\text {drooped }}$.
[This is a move in the right direction Plant reason, maiuly, that they are not so apt to suffo rom want of watering. In the living room, whiol is very rapid, and watering is ation from pot eoglected that the growth of the plant is dhecked that oondition the plant again gets stoo much water, whioh is quite as fatal in its resulte asi to
ittle, As a rale, plants will flower better in pot han in boxes, as, they should be root-bouind in order to flower freely. On the other hand, ithey
thrive so much better when not "bound" too tightly th"t a healthy, vigorous plant is the result hich is preferable to a flowering plant $]$ ]-Floral Cabinet. How to Protect roses.
I see enquiries in your paper asking how to pro-
tect tender roses. I will tell you how Thave done or twenty years, and have never loit the most ender rose. Take a bundle of rye straw and set up all aroand the tree; then take some wisps of times; then put some manure around the roote. I ind that taking them up setss them back, afe they on't flower well the first year, and laying them wn you are apt to break the new shoo Boston that all the best rose growers in Eingland whose grounds he had virited) agreed that thiey
got as good a plant from a graft in one year as they ould on its own roots in two, and he thought thiat rafted plants or hybrid perpetuals would prodace wioe as large roses as those on their own yoots. hoot the first year.
F. R., Roohe
drstruction of the wheat plant by grub I was on the Sydenham River, near Dresden, by some g'ub or insect; some of the land had been sown the third time. Any information repecting it in the Advocite woud be very service-
J. C. S., Thamesville, Ont [Had you sent in one of the grabs that are doing suelh injury, we coold give the information requir.
ed with the greater certainty. The grubs are ed with the greater certainty. The grubs are
probably the large. white, fleshy larve of the May or June bug-a large, brown beetle, commonly pring and early summer. The grubs injure grass, corn, garden plants and strawberries by eatiog the
roots. The past season has been nunusually trous in respect to the destruction of grass in meadows and pastures by these larve. In the New England and Middle States the herbage of grass and clover could be raked off, leaving the England suffered from their yoracious propensities. here is no known method of destroying these grabs when the land is under crop, grain, grass,
\&c.; otherwise, plowing late in the fall would be of service, thereby some would be crushed and killed by the plowing and some by being frozen. A
heavy application of lime is also destructive to them. The parent beetles may be caught when abroad at night in the spring and early summer,
in barrels half full of water covered with a film of kerisene oil and having lighted lanterns hung ithin them.
Sir,--Which is the proper way to procure regis. record for Canada, and what will be the cost of registration! Address, S . W., Highland Creek, Ont. [1f you wish to register in Canada, send the pedigrees ade, Sec'y if the Agr'l and Arts Ass'n,
Henry Wade
Toronto Noronto, Unt.; but if you wish to record the U. S.

SIR,-Can you tell me how to oure a ppavin?
W. W., Braemar, Ont. ITh ordinary cases they can be cared by $a$ oourse
blistering, but in bad cases it is necessary to of blistering, but in bhat cases it it nececsary to bome competent person. A very, good blister to use on
a spavin is :-Cantharides, two drams; Binodide of mercury, one dram; lard, two onnces. This you will apply once every two woeks, rubbing in well.
The above mixture would be enoug for three or fout applications. It wonld be well to apply a
little el lard to the part blistered every four dayg,

Str, -What will cure Scab (Pox) on cow.'. teats [Give a purgative drench once a week, made of Epsom salts, one pound; ginger, one ounce; ;warm water, one quart. Aftie which, give two drams of salt-petre, three times a week in bran mask, and
foment the teats and udder well with warm water before milking. In cases where the teate are very bad, it would be well to remove the milk y.means of a teat-syphon. Also, dress the teat and places that are sore two or thee time a arnica.]
Sir,-I have a valuable mare which has a bad ough,I think ghe has the heaves; the congh com-

New subscriber, Glengary, On
[More can be done in the way of feeding an of it, than by doctoring it for heaves. It is neces. sary, to havevi if fed on clean, fine hay, and if mixed
with a gantity of good ont straw would be better, with a quantity of good out straw would be better,
being gareful never to allow it to have a. large quantity to eat at unce, especially before going on a jo haves, orere than a pailful of water at one time; you will tind a benefit from damping its food wite
lime-water, also, mixing some with the water that limo-water, also, mixing some wind indie wally, and 2 powder of the following at night in feed:--Nitrate potash, one half dram; Digitalis,

Sir,-We consider the Advocate the best ag cultural paper that is printed. Shreshing machine to work with two horses? The fact is, I am rather afraid of these steam powers, and as for a ten-horse travelining power, well, my
farm and porperty
ont appear to belog to me when they are on it. I want to feel independent.
JEBE, Huntsville.
[Mr. James Sharman, of Strattord, would be the tbest person to apply to in Ontario. He makes the
simplest and best small thresher we know of in Ontario. Mr. Sharman had one of his small thresh. ing machines at work oxhine anring the Provincial Exibition, held in this city this year. We sww it when in operation, and feel
justified in recommending it, as all that we spoke justified in recommending it,
to about it were of the same opinion as we were, that these small machines will come more generally
into use, particularly in localities where they are into use, partionlarly in localities where
once fairly introduced. Sis and to Mr. S. - his dress is Stratford-and he will give you reliable
information, and make just what you require.]
information, and make just what you require.]

## Seed Grain.

There is always a demand for good seed grain. Farmers who have clean farms and good sample
of wheat they know to be profitable varieties will find it profitable to expend a little more Many of our seedsmen supply themselves with grain grown by careful farmers, and are always willing to pay a higher price for a good, well-cleaned who sell but little grain on the market or to the grain buyers. Nearly all the grain they grow they sell for seed either to seedsmen or direct to farmers, and always receive a higher price than imeir less on a farm is a good fanning mill, yet it is seldom
found. Much of the grain sold on our markets s very badly cleaned. The grain buyer does not lose the can be made in the same sample of
difference that careful or careless cleaning. Even if not grain by careful or careless cleaning, Even,
sold for seed all grain should be well cleaned.

## The Berberry.

Some months ago we pablished articles on hedge mended. Sirce that time we have received several letters from correspondents, some of whom speak highly of the Berberry, and sase that it causes wheat growing near to it to rust, and puts forth several arguments in proof thereo. and find the opinions of scientific as well as practical men to differ widely concerning this plant. sulted state that they have no reason to believe tat it causes wheat or any other plant to rust. Lewis F. Allen, in his new American Farm Book, ing its fruit for use, says:-" The Berberry makee ng its fruit or use, says:-
a fine ornamental hedge, suffiently strong and
and compact to turn ordinary animals. It also forms a graceful clump of shrubbery when planted
oots. There are few of the more valued exotic
We shrubs that excel it. We Berberry for cultivation.
On the
On the other hand, A. S. Fuller, in his Small Fruit Culturist, says:-"Although the Berberrv i
seldem injured to any considerable extent by disease or insects, the leaves are sometimes injured by a species of fungus which usually makes
ppearance on the ends of the lea es, then becomes cattered over the surface and extends to the fruit. To the eye it appears like a fine reddish dust, bu when highly magnified they are found to consist with a thin, light-colored film, which, when the fungus becomes mature, bursts, and the cups then discharge their spores or reproducing dust, wo mil dew, has been supposed to cause the blight in wheat, and it is an old belicf that Berberry would cause th grain near it to blast. This beliee has generally but recent researches show that it may have a foundation in fact. Many of the minute fungi have in different generations different forms. There is and the smut of wheat are both forms of the same fungus.'
We also consulted an English gardener of many
years experience, who states that if a Berberry years experience, plant by any means grew in a white thorn hedge the thorn plants which grew near it would be attacked by a fungus and would die. Ashes or slackened rme scalter is on them is a remedy for rust on dew is on
Berberry.

Cutting and Seasoning Timber. Although it is alnost the universal custom to go
into the woods to c it timber, whenever it can be done to the best advantage, without for a moment considering its keeping qualities, every observing very much on the season of the year that it is cut. Careful experiments prove that timber cut in the spring of the year will not keep as well as that cut in August. . M arch is moch more liable to become worm eaten than that cat in autumn. Gray birch cut in March never seasons as well as if cut in August; when
used for firewood, if cut the last of August or early in September, it makes wood that is equal to maple,
but if cut in March it is so full of water that it is very difficult to seaso I it befure it begins to decay, unless it is sawed into short pieces and split, and
even then it never appears to give as much heat as if cat in the autumn; when cut in Septenber, without much care, it will dry enough by the by some that timber cut in the autumn is better, because it is not as full of sap as if cut in the spring; this is probably one reason, but there which is, if cut in autumn it is not affected by the heat the same as if cut in the spring, for if cut, even in hot weather in August, before the wood come and it is dried more by cool than hot air. Timber cat in March is partially dried before the hot weather comes, and is in just the right state,
when the sultry days of summer come to when the sullry days of summer come, to encourage
decay, if surrounded by heat and moisture; for this reason, if no more sap was in the wood in the
spring than in the autumn, it would be best to cut spring than in the autumn, it wound be best to cut
timber in the autumn ; but when we consider that quantity of sap in the spring than in the autumn,
it must be evident to every one that, for durability,
is much better to cut timber in the autumn it is much better to cut timber in the autumn.
it is very true that it is not always convenient to It is very true that it is not always convenient to
cut so early as September, and the weather is frecut so early as September, and the wealher ible to
quently so hot as to make it very unconfortable to Wuently sin the woods, therefore but little timber is
wort so early. If we cannot get ready to go into
cat cat so early. If we cannot get ready to go into
the woods until after Thanksgiving it is much betthe woods until after Thanksgiving it is much bet-
ter to cut in December and January than later in the season. Timber to be used where it is import-
ant to have it durable, should never be cut later ant to have it durable, should never be cut
than January, especially pine, maple and birch. than January, especially pine, maple and birch.
Farmers who cut but a small quantity each year can easily manage to cut in the antumn, or early in the winter; but those pay but little attention iness but lumbering will pay but little attention that purchasers will not enquire what month it was cutin, and will pay jast as much for timber
cut in March as in September; if the quality of cut in March as in and it is well sawed it is all that is required; no one looks forward to the time when the building is to be repaired and a portion
of it new timbered, because it was not all cut at the same season of the year; in fact, even when a building comes to repairs, but a few connect the fact that a portion of the timbers have decayed
ecause cut at the wrong season of the year, yet because cut at the wrong season of the year, ye
this is often the case, though not always; sometimes one end of a stick of timber decays by reason o moisture, while the other end, by being kept dry
is perfectly sound ; but there are frequently cases shere two sticks of timber with the same surround ngs, will show a great difference in their durability, which is undoubtedly caused by the fac that they were cut at different seasons of the year
The methods to be adopted to season timber must depend in a measure on the particular qual ities it is desired to secure; if, as is often the case with pine timber, $i t$ will be oft and easy to work, and the strength of it is of no consequence, it should be kept over winter in the log and sawed in the spring, the piled up in a manner bo no delay in drying the sap out; but if it is desirable to have the wood hard as possible it should be sawed in the antumn and and other purposes that require great strength should be split in large pieces and housed where the atmosphere is coor, many believe it is bo oak, that is to be used for purposes that require great strength. Wood that it is desired to make tough and elastic should be dried very slowly, and at the same time care should be taken decay. The soft
enough so it will not begin to maple is a wood that if properly managed can be made very tough and kept perfectly white; to cut
it and keep it in short logs over summer destroys its whiteness and elasticity ; to saw the logs in the spring and stack the lumber out in the rain and air, also destroys its strength, and frequently its
whiteness. The most certain way to keep this timber and preserve its whiteness and strength is to cut the tree in autumn, trim the limbs off and leave the trunk the entire length for a year, when
it may be sawed and dried under cover ; by this treatment it can be seasoned perfectly white and very tough. The strength of some kinds of wood can be increased by girding the trees and letting
them stand and season on the stump. An oak, maple or apple tree, that has naturally died on the stump, is very hard to cut; but a birch or a poplar that value in this way usually
The den or firewood. The durability and strength of timber depends
somewhat on its age as well as the manner of seasoning. There is a period when a tree arrives at its greatest perfection, after which it begins to de cay, although it may not show any outwary other
of it. The pine and the white ash and many kinds of trees, until near their full growth, have the strongest wood near the ground, but after having passed full perfection a change the tres plas commences at the heart of the tree
and the ground; the decay once commenced graduall extends towards the outer surface of the tree; ${ }^{\text {In }}$ time it is hollow, and year by year the living cannot support the tree, and it falls to the ground with a trunk that has the strongest wood at th with a
Fop.
Fut the cut them before they have passed their full vigor, cut them before they have passed their ful veare the
and at that season of the year when they have
least sap in the least sap in them, being careful to season well ie
fore setting; green posts should never be set if it is possible to avoid it. - Ploughman.

## Send us Your Opinion.

We went to Toronto to be present at the meeting of tha Board of Agriculture and Arts, also the meeting of the Breeders of Shorthorns. When in the Queen's Hotel we were accidentally thrown into the company of the Hon. S. L. Tilley. We informod him that we filed to see any advantage to Canad Wy rost theaper than we could, and that we required it too now matorial to mate bur wool butter and cheese and to aid us in orrin, wool, land. Mr. Tilley informed us that the duty was put on at the direct request of numerous farmers in Ontario, and for their benefit only, and that it would give his constituents in the eastern part of the Dominion great pleasure if it were removed. But he had informed them that as a duty was put on coal for their benefit, they should be willing to allow the duty on corn for the benefit of Ontario farmers. We informed Mr. Tilley that we believed we could convince him that it was not advantageous to us. Now we wish every one of our readers to aid us in convincing Mr. Tilley that we are right, that is, if you believe we are. But if you consider we are wrong, we wish you to let us know.
The answering of this question is not in any way intended to act as a party or political one, as you know we have tried to aro ground in this journal; but we deem this of inpostal card, and when you wite we wish you to add either of the following lines
take the duty off corn,
keep the dety on corn.
We will keep a correct account and forward the result to Mr. Tilley. You will oblige by replying.

Mr. Richard Gibson, stock-breeder, of Ilderton, Ont., speaking about his recent large importations of stock from England, spoke strongly
against the vexatious quarantine laws which at against the vexatious quarancine laws which at
present exist. It appears that after the steamship present exist. . At appears that after the steamship and taken to Quebee, where they are kept in the
quarantine yards for three months. During all quarantine yards for three months. During all
this time they are at the expense of the owner, and in case they are found to have the foot and mouth in case they are foutered at once. Mr. Gibson says
disase, are slaught
that in the opinion of leading veterinary surgeons that in the opinion of leading veterinary surgeons
three weeks instead of months is quite sufficient to disenfect cattle, and he thinks the Government should enquire further into the matter and see
a change could not be effected."
We extract the above from a political paper. Although Mr. Gibson may be a large stock importer and breeder, member of is now Vice-Presi dent of the B. A. Shorthorn Ass'n, we feel it ou ${ }^{\mathrm{I}}$ duty to condemn the reduction of the time for cattle to lay in quarantine, which we believe has bein very properly fixed at three months. The best anthority that we know of recommends the necessity of retaining them for three months, as that most dangerous disease Pleuro-pneumonia
may remain in an animal, before showing the symptoms, nearly that length of time. It is that disease to import it either from the States or Eng. land. We have used our influence to try and prevent the introduction of the diseases to which diseases when any have been imported, and trust
that no steps may be taken to shorten the time that no steps may be taken to shorten the time
now fixed (three months) until we hear that the now fixed (three months) until we hear thantries
diseases are entirely eradicated from the cour rather diseases are entirely ert. In fact we would rather
from which we import
commend the prohibition of importing live stock of commend the prohibition of importing ive stock
any kind than to open the channel so that Canadian stock in general might become infected. We
believe we are now free from any contagious disease, and let us try and keep so by every legiti-
mate means. We are much surprised at such an mate means. We are much cing.
opiniun coming from Mr. Gibson.

## daritulturat.

## Auggestions for Drouthy Seasons.

The incalculable loss to farmers caused by the
great drouth of last summer and fall has directed their enquiry to the opportane query: How shall we guard against the effect of such seasons on thei
recurrence? In Ontario the druuth has not been so long or so permanent as in the Uuited States but even here the question is an important one. When the pasture is scorched and the plains that
have been wont to be covered with luxuriant have been wore os the great desert, what would
grasse were bare as
be in such circumstances the best for 'ge plant is naturally the query. lucerne. He says: "It was very evident in pass. ing over the drouthy districts that a good forave plant that could flourish in a dry season would be
a great boon. These two years a great boon. These two years experience may
encourage a more general and thorough trial of lucerne. This plant seems to possess more valuable
qualities for a torage plant than any other with qualities for a torage plant than any other with
which we are acquainted, more desirable even than clover, for the following reasons: It is perennial, it furnishes pasturage later in the season, it grows more rapidly, and stands drouth mach, better
Flint, in his 'Grasses and Forage Plants, 'says of it: 'In a mellow or sandy soil lucerne has been known to send its long tap-roots down to a depth
of thirteen feet; $I$ am convinced that many of the of thirteen feet; 1 am convinced that many of the
failures in growing lucerne come from an improper selection and preparation of the soil."
As drowning men catch at straws, so the above
writer turns in the emergency to weeds. It writer turns in the emergency to weeds. It
rather shocking to the ideas of good farming rather shockang has been considered as troublesome weeds recommended for cultivation, but, says he, the way in which pig-weed, parslane
and plantain stood up green and succulent in the dusty earth and under the scorching sun of the past summer, when grass and clover were as brown and crisp as at mid-winter, suggests that preju
dice be laid aside and these heretofore despised weeds be fairly jndged as to their qualification for forage plants. All of them are relished by stock. The plantain (Planta lancolata), the onl extent for sheep pasturage, to which it seem better adapted than for other stock, on account 1ts low habit of growth. The Amaranthus retro-
flexus, or pig-weed, is an annual and seems to be flexus, or pig-weed, is an annual and seems to
endowed with a most vigorous constitution. When the main stalk is bitten off the little stump wil send out a surprising number of thrifty branches in
a short time. This plant, too, has been cultivater a short time. The is is certainly capable of yielding a
for forage, and large quantity. "That miserable pursley," purs lane (Portulaca oleraces) is so well known that it
needs but little mention. It is an annual, and was formerly used as a pot-herb. Every owner of a pig and qarden patch is acquainted with the fattening qualities of tors flesperiment largely with these plants till well tested, but till lucerne becomes
anceess is there anything better offered for a a success is ther
drouthy season?
Aside from ?", commonly called the grasses, let there be rye and wheat so wh the preceding autum, oats and barliey early in the spring, followed by corn as soon as the
ground is warm enough. Add to these sorghum, and Hungarian grass as required. If the grain crops mentioned are not wanted for soiling, they can be s" ffered as the season advances to ripen and
then threshed; the same with corn to shell; thus variety is so great
The melitot, sweet clover, has its advocates as a forage plant. There can be no doubt of its grea
vitality, being able to stand any extreme of tem perature. It grows luxuriantly on a sandy soil so barren as to support no other vagetation. Onc
sown it propagates itself annually by self-sown soed, if thy seed be allowed to ripen. Though we have known the plant for many years, we know nothing of its value as a forage plant, so we giva
the testimony of Prof. C. S. Thorne, of the Ohio State University:
"SWeet clover will grow quite luxuriantly in
hard, poor clay, where even white clover will scarcely live at all, and grows mnch more rapidly than red clover in any soil, while in the soils that are, as is said, 'clover-sick,' it thrives as
well as anywhere. It is a good forage plant for
bees and for catte, and is well adapted for bees and for cattle, and is well adapted for
soiling, as it makes a growth of four to six feet
durinq the season. and is said to bear two or
three enttings. A German analysis gives its hay three cuttings, A German analysis gives its hay
a feeding value of $\$ 15$ per ton as against $\$ 16.28$ feeding vatue of sio per ton as apiles red clover
for very good red clover hay, While upon which our farming in many sections and
especially in clay lands, depands so essentially aspecially in clay ands, depends so essen more
for crops of grain, is becoming more and more
uncertain, it would seem to bo worth while to try this 'fast weed' as a resource for rectpera-
tive green manaring, in havy soils sespeoinllp.
" ive green manaring, in haavy soiss espeoings.
" To sum up, it is worth more to the farmer for soiling than red clover, because of is thrifty sheep, etc., than red clover, because it will
thrive on soils where red clover siokens; it will yrive on soils. where red clover siokens; it will
yien mach fodder as red clover, be.
ause it will stand two or three cuttinga, cause it will stand two or three euttigoge, and it
acks but seven per cent, of the nutritious pron
 it is
 he possessor of a four-footed animal beoause iti
low of neetar is not affected by atmospherio changes, as is the case with many planty, notably hite clover and inden. It may be well to give it a trial, sowing
small plot of it for soiling. An experiment
melitot may lead to good results mall plot of it for soiling. An experiment with
melitot may lead to good results. The mere con-
wonsideration of the subjeot must be beneficial. Farmers will be brought more than heretofore to


## Notes for December.

The work of the farmer during this month may be summarized under these headings, preenervation and utilization of the products of the past sea The grain crops are all in the barn and grankery, or turned into hard cash, and the farmer has had an thorough cleaning and preparing of wheat or other grain for the market, is well paid for by the increased price. The inferior grain should be fed in
the stock yard ; in this way ouly does it pay. The root crops also stored for the winter, in the cellar,
or root-house, or in the pit. We must heare in or root-house, or in the pit. We must hear
mind that frost is not the only state we have to
gaard against. Too hinh a temperature as well at guard against. Too high a temperature as well a a
too low must be avoided; in order to preserve roots io gow must be avoided ; in order to preserve rootu
in good condition we must keep them from grow. ing. The cooler we can keep them without ex-
posing them to the risk of freezing, the less liable posing them to the risk of freezing, the less liable
they are to sprout; if the temperature is too high oots are liable to injury from sprouting; if it of too dry they are liable $t$, be wilted, while too nuch moisture rots any roots.
The due care of live stock implies perfect cleanyoess, ghood ventiliation with sufficient warmth, ooderate exercise. This care farmers canno fford to neglect.
Prepare your plans for your spring work; each
eaar's experience should make you a better farmer. Be guided by this experience in your programme of Be guided by this experience in your programue
work for the ensing year. Experience is by no Vegetation is now dormant in our climate; there is therefore little outdoor work this month. There of preparation for the coming spring, as well as care of the garden products for the winter surply.
If there are any days of open dry weather, if there are any days of open dry weather, racant
ground not yet turned up to the frost, should be lug, and when necessary, for deepening the soil and renewing it, trenches from twelve to twenty inches deep. \% renching,
but there is no labor more remunerative. Manure can be brought by sleigh or wheeled carriage with greater ease than at any other season; it should be
put in large heaps on the plots to which it is to be put in large heaps on the plots to which it in to
applied. A mixture of plaster will prevent itu applied. A mixture of plaster will prevent and
being fire-fanged and a covering with plaster and
earh will save it from being frozen. None of our earth will save it from being frozen. None of our
various root crops will bear the frost so well an various root crops will bear the frost so well a
parsipipand horseradish, and if any of these have been left in the ground they would keep there in
better cudition by being mulched with litter or better ccndition by being mulched with littor or
earth ; they will there keep uninjured till spring. The vegetables in the cellar or root-houne shoing
be carefully hand pickedo ocasionally and decaying oe careifully hand picked occasionall.
ones, there be any such, removed.

Fruit Growing at Owen Sound. The midsummer meeting of the Fruit Growers' Association of Ontario was this year held at Owen Sound. There was a very general attendance of the members from that vicinity, and a goodly namber from a distance. Was much better than was hearly destroyed by the tbat section having boen nearly destroyed by in the summer.
President Dempsey called the meeting to order, and after a few words of hearty salutation to the members present, called attention to the first subject, namely: To what insects and what diseases are the plam trees liable in this vioinity?
The replies to this question indicated that the depredations from insects were not serious. The tent caterpillar and other leaf-eating insects were to be found occasionally, but they had not been su ficientily numerous them in check. The Blackit difcul mentioned by nearly every speaker as knot was mentioned disease with which they had to contend. It seems to have been more than usually prevalent this year, and to have spread with great rapidity, affecting many of the trees so very seriously that there seems to be no hope of saving them. Mr. John Chisholm stated that it had been more serious in his garden than ever before, and that the only adequate amputation in many instances would be the entire removal and burning of the tree. He thought that the disease thus far had been chiefly confined to the blue plums. Mr. D. R. Dobie spoke of it as being frightful this season, and believed it probable had attacked season favored the suack-knot. Coe's Golden Drop and Washington, but was worse on the Jefferson and McLaughlin.
Mr. R. J. Doyle thought that trees growing in a wet sub-soil were more subject to black-knot than thorough underdraining and and belful amputation the disease could be kept in subjection
Several speakers stated that the black-knot was very abundant in some sections upon the wild plum and wild cherry
The Seoretary stated that some twenty years ago he had noticed the black knot was very abundant on the wild plum and cherry about Orillia, and from there to Coldwater. It was not now so prevalent in the Niagara District as formerly.
Several members brought plums to the meeting having the gum exuding from the fruit, and otherwise defective specimens, some of them showing the marks of insect depredations, in order that they might be examined by those who were familiar with the work of the curculio, but very careful examination failed to discover any evidence of the
curculio. Plum growers at Owen Sound may concurculio. Plum growers at Owen Sound may con gratulate themselves his way to their plum trees. President found his way to their plum trees. President Dempsey remarked, in they had found the rotting of fruit on trees before ripening a much worse evil of fruit on trees berore The curculio could be kept in subjection by jarring the trees and catching the
insects, but that no method had yet been discovered of preventing the rotting of fruit.
The subject of the borer in apple trees was next considered, but the discussion revealed the fact that one person having ever seen any in his apple trees.
The discussion on the grapes best adapted to this section of country rev be grown and ripened ${ }^{\mathrm{M}} \mathrm{Mr}$. Brownlie had grown the Eumelan, Delaware, Mr. Brownlie had grown the Eumelan, Delaware, Massasoit, and Concord. Eumelan succeeds we t, and the Concord in some few searons had hardly ripened, and that it was not wise to plant varieties which ripened later than the Concord. Other members had also grown the Champion, Cr veling, Clinton, Brighton, Burnet, Hartford Pr, lific, Northern Muscadine, Rogers Nos. 3, 4, 9, 14, and Salem. It was remarked that
awen Sound the Burnet did not ripen any at Owen Sound the Bu
earlier than the Concord.

Small fruits generally were grown with good success. Members found no difficulty in growing Raspberries, such as Fanconia, Brinkle's Orange,
Knevet's Giant, Pride of Hudson, Cuthbert, Knevet's Giant, Pride of Hudson, Cuthbert,
Turner, \&c. English gooseberries were generally Turner, \&c. English gooseberries were generally
subject to mildew, but Downing fand Houghton subject to mill. Strawberries were also grown without
diffioulty. Mr. T. C. Robinson said that the Wilson was the most reliable sort; no other had yet proved to be as profitable for market, He. Yresident Dempsey manures his strawberries with ashos and bone dust, applyying ten barrels of unaseesed hard-wood ashes to the acre, and obtaing for th
aere.
The resident members spared no pains to make the visit one of great pleasure to those who came from a distance, kindly takung them to several plaoes of interest in the immediate vicinity.
At Mr. Doyle's we found most extensive plum orchards, some in full bearing and some more recently planted, the nymber of plum trees running
into the thousands; indeed, the largest plum orchard we have ever had the pleasure of seeing. orchard we have ever horeus and healthy in their The trees were all vigorous and healithy in thith fruit.
Although they had no curculio to trouble them at 0 wen Sound, they are not wholly exempt from the ills to which the horticulturist is heir, for the frost had so interfered with fruit culture there this season that but few of the plum trees were yielding a crop. Mr. Doyle also showed the members a barrel, having the staves so arranged as to admit of ventilation of the frait packed in it. This barrel is specially adapted to the shipping of early ripening apples and pea
warded in hot weather.

## New Fruits.

Windsor Cherry-It is above medium size, nearly black, flesh very firm, of an agreeable flavor, hav ing that mingling of saccharine and acid which is so refreshing. The stone of the fruit is very small. It is said to be enormously productive; very hardy, being the only Biggareau or heart cherry that had not its fruit buds winter. killed las
rounds; even Dakes were killed.
Dougalis Seedling Gooseberry No. 1-Was with the Houghton. The berries average large than those of the Haughton, are oblong or oval in shape; color, a deep rich green with light veins; favor.is excellent.
Seedling No. 2-Is another variety from the same parentage as the foregoing. The berries of this are of about the same size as the Houghton, nearly round in form, and yellowish green in color, aud of a rich, pleasant navor
Seedling No. 10-Was raised from seed of a Houghton fertilized with an English gooseberry. Downing, and of the same light-green color; flavor very good
Hybrid Seedling No. 2-Is descended from the wild prickly-fruited crossed with an English gooseberry. It is the second remove from the with fine hairs, showing its descent from the prickly; about the same size as the Houghton; the ground color is a very light straw color, almost
white, sprinkled with minute red dots. The white, sprinkled with
flavor is very pleasant.
flavor is very pleasant.
Hybrid Seedling No. 7-Is also descended from the wild prickly-fruited crossed with an Eiaglish variety, and is also the second remove from the size of Smith's Improved well covered with short priekly hairs; the color dark purplish red; flavor very good.
Mr. Dougall says of the Hybrid Seedlings No 2 variety that think these will be the parents of a are strong, upright growers. I measured a shoo that grew from the bottom of one of these varieties; it is now four feet nine inches high (branched), coverod with bright brown prickles. It will no though they are not getting fair play, being grown under fruit trees. None of these seedling goose berries have ever mildewed, though planted i the hybrids and crosses betwenal the Ens, both o Houghton but being transplanted lasi fall the have but little froit on them, and that not folly grown. I have a No. 9 hybrid of the same strain as No.'s 2 and 7 ; the fruit is much larger than either, smooth, and a pale red. The catbird, gooseberries here more oriole are very bad on to remove my bushes to a place near my house, and cannot save them there.

## Supply and Demand

In making choice of the crops to be grown,
care should be taken to select those which will care should be taken to select those which will
supply an existing demand. It will not do to supply an existing demand. It wilh not de to grow the same crop year after year, without regard
to the condition of the market. The wants of conto the condition of the market. The wants of con-
sumers change, and the producer should adapt his sumers change, and the producer shoudd adap his
crops to their varying moods. If the demand is for crops to herr varying goods. he must not insist upon growing the finer sorts. For home use the best should be produced, but for market the varieties which pay the best should be selected. There are much finer pears than the Bartlett, and nicer grapes than the Concord, but as long as the demand of consumers are so strongly in favor of these varieties, the fruitgrowers who do business for profit and not for pleasure alone, cannot afford to attempt the forc-
ing of better kinds upon the market. The coning of better kinds upon the market. The con-
sumers know what kind of fruit they want, and if sumers know what find fortainly have a right to say they pay for it, they certan. It belongs to the seller to supply the demand which already exists, seller to supply no part of his duty to dictate to the buyer which varieties he shall choose.
The same principle should apply with equal force to the farmer. When there is no moral element envolved, he should supply just what the state of the market demands. One variety of corn may be better than another, but if bayers insist
upon having the poorer sort the growers should upon having the poorer sort the growers should
furnish it cheerfully. The same rule applies to all furnish it cheerfully. The same rule applies to all farm products.
supply, not to govern the mave endeavored to state
The principle which we have seems so simple, so plain, and to be so directly in seems so simple, so plain, and to be so sense for
the line of that sound and solid common sen which farmers as a class are noted, that it may seem to some of our readers a waste of time and effort to call attention to such a self evident truth. But the compliments which have been made con Millerg Association, is deciding to pay ten centi less per bushel for soft wheat than for hard wheat at an equal grade, is an indioation that a grea many farmers, even in that wide awake and pro. gressive State, have not given this subject proper
attention. The Canadian Northwest will also be attention. The Canadian Northwest will also be affected to a greater or less extent by this association. This discrimination against soft wheat wai not the result of a sudues and arbirary change the general policy of the Association. Had ieceen a great deal of sympathy. But they had been inwormed that hard wheat was preferred, tha proces worth more to convert in use, and that the demand in future would be for hard wheat instead ot the soft varieties which had been so popular in the past. More than this, the millers claimed that with equal care in the choice of seed, the hard wheat would yiel as well as the soft. In order that they might test the matter without incurring great expense, (1fe) millers obtained a large quantity ormard at cost. Those who used this seed have secured a large yield of grain, for which they received a satisfac tory the notice that there was a change in the demand of the market but allowed their preference for suft of the market, but owed heir preference for sovi wheat To cone latter are learning that in order to make the most money in the production of grain it is necessary to grow those varieties which buyer wish to purchase. It is a hard lesson, but, bel lectual part of their business, inducing them to read and think more about their work, it will lead to good results.

Reports of Plowing Matches.-We have re ceived from various parts of the province a number of reports from plowing associations. We are glad was like the Secretary or any plowman or other in telligent agriculturist, to send us reports of these matches, especially when there is any thing worthy of special mention, or when any new feature is introduced. Suggestions calculated to make with favor by us, and we will gladly publish them.

Mr. Chas. T. Doyle, of Walkerton, Ont., has sent us a long account of his great exertions in disBrace. We wish friend Doyle the best success in his enterprise.

## Farmers Associations

## by S. l. peters, otnabog, n. b

The rapid strides which improved agriculture is now making in this "Canada of Ours," is in my opinion largely due to the numerous agricultural assogistions established ir our country. As iron sharpeneth iron, so do men's minds, when brought is oontact with each other, quicken and expand. Experiences are given, ideas exchanged, practuces
carefully criticised, Men are drawn out of the caretully criticised, Men are drawn out of the
old ruts by the actual experience and convinoing old ruts by the actual experience and convincing
arguments of their brother farmers. In short, arguments of their brother farmers, In short,
these farmers' associations, if properly conducted, are vast schools of agriculture, where each by turn may impart to the many something new, something valuable to all.
We in New Brunswick watch with interest for the reports of proceedings of your Agricultural and Arts Association, Dairymen's, Agsoociation, Fruit Growers' Association, Stock Breeders' Association, and your Agricultural Commission of $\mathrm{On}_{\mathrm{n}}$ tario, as they are published in a condensed form in the ADVOCATR How much impetus has been given,
to the development of your improved agriculture to the development of your improved agriculture
by these institutions is something of which the by these institutions is something of, which the
farmers of Ontario are the better judges; but sure farmers of Ontario are the better judges; but sure.
it is that much valuable service has been rendered by them, and the farmers, as well as the country, by them, and the farmers, as well as the country,
been largely, benefited. In addition to these organizations, the agricultural societies of your townships, and the ngmerous fairs which have been successsully held under their jurisdiction, have son. In wide field for inforg for puite a number of yeara enjoyed the advartage of local agrical. tural societies in the several countios, and very much has been accomplished through their instru. mentality. Greater interest is being amakened in the different breeds of stock and improved systems of hushandry. Farming is beginning to be looked upon as an occupation and science that every man is not qualified to follow or grapple with succeess? fully without much preparation and ex erience. of which $O$ ntario of which Ontario can boast, yet belieyipg strongly of the good they accomplish, quitie a large number ince sought for and obtained sectiong of the Prov ince sought for and obtained the formation of a ${ }^{\text {P }}$ Provincial Farmers Assogitition fgr New Bruns-
wick, the sixth annual meeting of which will be held at Hopewell, County of Aibert, on the first Wednesday in February, 1882. The meetings of this body of farmers have always been largely attended and very interesting. Ithink it oan be safely said that it has a strong hold in the country,
Various subjects bearing directly on our agriculVarious subjects bearing directly on our agricul. tural pursuits are discussed at its annual meetings, and much good has already been accomplished.
The question might fairly be discussed as to
whether it would not be to the advantage of the agriculture of the De the advantage of the agriculture of the Dominion to have a yearly
gathering of the leading farmers of the several Provinces at some central point, where discussions might be held on agricultural topiss as viewed from a Dominion standpoint. Such a course is now ber ing adopted in the United States by Commissioner Loring, who, I notise, has issued a call to the officers of all agricultural organizations, as well as leading farmers, in the United States, to assemble at Washington in the month of January next. The convention will be composed of Professors of Agriculture from the vari us Agricultural Colleges,
stock breeders, dairymen, market garaeners, fruit growers, members of the different State Boards of Agriculture, \&c.
England has for years been drawitg large sup. plies of food from North America, and will continue to do so. The question as to what proportion of the necessary upply will the Dominion of
Canada be in a position to furnish is an important one, and fraught with the deepest interest to every Canadian, The "British Isles" will for many years, no doubt, offer to us the most profitable market in which to dispose of our morplus agricultaral produce. To know just what those markets demand, in order to secure the highest price, is a matter of much importance to every farmer and atock-raiser ; and possibly in to way can such knowledge be imparted so readily and satisfactorily as through the agency of a convention of the lead. ing farmers of the Dominion.
the opinions of others through the columns of the the opinions of others through the columns of the
Advocate. advocate
[It is our opinion that a Farmers' Alliance would be of great benefit to the agriculturists of this beominon, particularly so if the association could
benducted in an independent, !open and free
manner, and provision made against centralizing the power or influence too mach in one looality, and loo long on any individual. This suggestion the late Prinew aswick, and as Mr. Johnstone, the late Principal of the Ontario School of Agrioulture, suggested the same course, perhaps some per-
sons in our other sister Provinces will add their sons in our other sister Provincess will add their
opinions in regard' to it. We would feel to Mr. Johnstone the late Principal if obliged furnish us with the rules, regulations or by clawis or perhaps Mr. Peters could forward us the rule that govern their Alliance, We shall be pleased to furnish further information in regaril to the above question. - ED.

## Sheep at the Ohicago Fat Stock Show

Though very good, the dieplay of sheep at this show scarcely equalled ita predecesson of "1880. mals the seare of the rings were to be seen animals the peer of the best, both in fiesh and breedstandard of other ringi - notably the cack in the These latter, while in fair mutton condition, seemed out of place in an exhibition of which the word fat is the designative title, In the absence of competition, the prizes were divided between the only tivo car tots in the thow - the first going to a fair lot of graded Southdowns, the second to a ot of low grade Shropshires-leaving the third prize to reve
competition
As heretofore, for the cenvenience of exhibitors, the sheep were first ishown in competition with Fine Wools-before being grouped in general competition for the sweep-stakes priz ss.
In the Long Wool rings the effect of the Cotswold boom was apparent-with the exception of two or three Leicester grades, no other variety which has for several years past been so highly satisfactory, has had its effect on the show of wethers in the Long Wool rings. Those shown were good, but their number was limited. The restriction of exhibits to animals other than those used for breeding purposes, as was to have been expected, limited competition in the ewe rings to barren animals and those too young for breeding. A8 usual, the pens of the contested the laurels-often successfully-with the hitherto peerless Southdowns, dividing the honore in a majority of the rings, and triumphing in the grand sweepstakes for "best ewe or wether in the show." This high honor has now been successively won by the Cotswolds in 1879, the Southdowns in 1880, and the Shropshires in 1881 . Notwithstanding the twinge of chagrin which momentarily
affected the champions of the less fortunate ani. affected the champions of the less fortiunate an1-
mals mals, there was apparent a very gereral admission
that the victors were fairly entitled to their high honors.
The Sheep Department has no more interesting feature than the two pens of fine wool wethers,
shown by the Merino Breeders' Associations of Western New York. Heretofore there has been no show of fine wool sheep worthy of consideration. A few imperfectly matured animals have been shipped in to carry off prizes by defaultserving to encourage the too-prevalent error that the Merino is not to be considered as an element in the mutton product of the country. Ten fine woul wethers were shown, averaging in weight over 136 pounds, after remaining on the oars five
days. Beside them was displayed their fleeces, days. Beside them was displayed their fleeces,
sheared in 1881, average weight $18 \frac{1}{2}$ pounds of unsheared in 1881, average weight 181 pounds of un-
washed wool. A prominent Chicago butcher offered the outside price for the lot-only to find that he had been forestalled by an enterprising as it comes into liue as a muttou producer which competitors for future honors may not safely competi
ignore.
and
The failure of exhibitors was conspicuous in the slaughtering tests. But one ring -that for two year-olds-was filled; and one of the compelitors block arrived-and for the hour for leading test have been opened to them, the sheep men have omitted the opportunity for vindicating their claims by the crucical test offered by the knife and block. The reasons for such omission will not be discossed in this connectio. Whatever they are,
it is to be hoped that in future shows this highly it is to be hoped that in future shows this highly interesting feature-pregnant with information to not be so cons icuous a failure.-[Breeder's Gazette.

## Care of Machines.

After the season for using them is over it will not pay to leave the harvesting machines in the no good in either of these places that They can do no goody eithar of thes plased to the destrilt influences of the weather.
Tho manufacturess any that when left constantly out of doors the machines last only about half as long as they would if they were protected from the weather when not in use.
Although not as expensive, and therefore not involving as heavy loss when neglected, plows,
harrows, horse-rakes, and all other farm imple: ments, are seriouily damaged by exposure to the elements.
Not only do the implements which are left out of doors wear faster and break oftenar, thus inoxping the necossity of frequent repairs, with the but they are also much harder to use than those which are properly housed. A reaper which has stood in the field all winter will draw much harder than one which was put under cover at the end of the harvest. Continued exposure of any machine involves the necessity of increased power, with in. creased liability of breakage, in its use.
It is a noticeable fact that in sections of the country where the farmers are rich and prosperous, it is seldom we find machines lying about the fields or stock running the roads or weathering the,
cold autumn rains and sleet; but, in sections where the farmers are por though the land may bhere the farmers are poor, though the land may be fer-
tile, we invariably find farm implements left in tile, we invariably find farm implements left in
the field, in the summer their eattle running the roads, and in the late fall, when they should be in the stable, we find them shivering in the fence corner or seeking shelter in barns or other build-
ings the doors of which have been blown off such times their only fad is frozen brawn off, In such times their only food is frozen grass, or other
unnutritious substances. Care and economy must be exercised in all matters relative to agriculture, or on the most fertile land nothing but a bear ex. istence can be had, and that only by the hardest drudgery. The same men on the same land by could be comfortable and respected, neither of which oareless farmers are.

## What the Farmer Should Study.

The farmer should study the laws of concentracrops into the best paring articles. Does he con sider that batter, cheese, beef, pork and mutton represent only a certain amount of grass, hay and grain that his farm produces? That, instead of selling the raw commodities, he can, by putting, them into these arricles, get much better returns
for his producta? His study should be how to for his products ? His study should be how to thing that is concentrated and that will bring him the most money. What he raises has to go to the most money. What he raises has to go to
some market. some to be paid, and thus much will be saved. A farm should be a factory for changing the raw products into articles of general consumption that of the best quality that the world over-that are and bring prives that will pay well for the skill, labor and capital employed in producing them.

The January number, besides other illustrations, will eontain a fine original cut of Shropshire Down sheep, the prize winners at Provincial Exhibition. We hope, shortly, to give the commencement of a series of letters on stock, dairy and agriculture in the north of Scotland.
The attention of our readers is called to an able letter from Mr. John Carnegie, of Peterboro, Ont., member of the Board of Agriculture and Arts, on the Provincial Exhibition "jumble.

Any subscriber who desires a eample copy of the Farmer's Advocite for any intending subscriber, can send the name and P. O. address for same.

Bound volumes of the Farmer's Advocate for 1881, will be mailed, postage prepaid, to any ad. dress in Canada or the United States for $\$ 1.50$. Orders can now be sent in.
A few volumes of 1880 still on hand, and can be obtained at the same price.


Ohe faminy circte.
Home, Sweet Home

## A Miss Under the Mistletoe. <br>   bhat britutt told Docember day.   Mo in tho taoo of her aliare aider, whom mhe deanh thased

oug Idowwell $上 1$ do think it rather-what shall I say ? - chilliih, unsess it it somewhat too fas
our stylo of guesta, "replied the first speaker. Winifred burst into a merry laugh.
"Poor darling 1 Refined ! Perfect pity !" she said, throwing her, arms aroundiler as she was. "Don"
kissing her, like a spoiled child as she be alarmed; Louis St. Aubyn shall be duly in formed that the magio circle is reserved for 'fast
damsels and for children,' and that Miss Ponsonby has no 'oonnection with either party.' There, onl see how beantifut it looks! And, by the way, our hair, my queen, and he promised to rummag our hair, my queen, and he promised to rummaga
he conservatory for the said blossom. Will tha lead my pardon?" she added, coaxingly. Heaven help the man who ventures on such a tire some, wilful darling," returned the elder sister eturning the girl's kisses with a protecting fond ness.
"Ah he would certainly be insane to attempt it,
in the first instance!" returned the girl, dancing in the first instance !" returned the girl, dancing nost gave the palm of a
 fairy.
They were the daughters of a widowed mother, live in simple elegance, and mingle with the plea sant circle in their neighborhood; while the residence of a bachelor brother of their father's within a short distance of their villa, gave always the
sanction of a host to their entertainments when they required his presenee.
Within the last twelve-month a very pretty
place in the immediate neighborhood had been purchased by a gentleman named St. Aubyn, Thower with an only son.
The father was a great invalid; but Louis had
become so completely domesticated at "The bacome so completely domesticated at "The
Larches," (Mrs. Ponsonby's residence), and his father was so oharmed with the high-bred mother and pretty daughters resident there, that the
families had formed a closer intimacy than is some times the growth of years.
Still if there
Still if there was any tenderer faeling than
friendship on Louis St. Aubyn's part fur his fair young neighbors, no one appeared to decide for which of the girls it was entertained ; and it would have been difificult for the choicest observer to say
whether the stately blonde Gertrude or the Whether the stately blonde xertrade or the
piquante brunette Winifred engrossed the largest portion of the young man's attention or thoughts. At any rate, neither of the parents appeared to
object to the probable consequences of such an intimacy. Perhaps, as usual, they were blind to the feelings springing up before their eyes.
The evening arrived.

$$
\begin{aligned}
& \text { The evening arived. } \\
& \text { Gertrude was nearl }
\end{aligned}
$$

Gertrude was nearly ready; but though the style, she stood in a sort of dissatisfied pause be-
fore the cheval. p .
"The cheval- "lass.
"This horrid fcrimson flower will never do!" she murmured fretfully. "My pale bl
never stand such a vulgar contrast!" And she glanced despairingly around at the fairy dress-all trimmed with delicate white lace, that
accorded so well with her pale skin and soft bloom.
It was very trying, doubtless, for the only re
lower, which had already done duty at two ball and dinners But there was nof Falternative, and, with a deep
sigh, she seized the French spray of lilies of the valley, which was, her pis 「aller, and was in the
very act of raising it to her hair, when Winifred burst joyously in burst joyously in.
"See, Gery ! here's a lovely white camelliawith such leaves! I never saw anything to equal
them! There, be quick! See, I am dressed al them! "
And very charming the little creature looked in
her amber and black costume that contrasted so her amber and black c/lastume, that con
well with her brilliant eyes and hair. well with her brilliant eyes and hair. "How goo oo old, Stamford! II suppose he
found me one at last," she said. "And what a found mene it is like wax-mork ${ }^{\prime \prime}$
She placed it among her fair braids as she spoke, She placed it among her fair braids as she spoke,
while Winifred archly pinned a slip of paper on the toilette table.
Gertrude's
Gertrude's eyes rapidly oaugh,
Miss Ponsonby-from L. St. A."
"There
" There, queen Gertrude, I hope you are happy down stairs ! I only haily. but make haste down stairs ! I only hope the mistletoe will not
spoil all !" she added demurely, as she danced out of the room.
Gertrude soon followed. The slip of paper had
disappeared when thel maid entered to clean the disappeared when the, maid
room immediately afterwards.
Perhaps it was thrown away
Perhaps it was thrown away
Louis St. Aubyn did not appear till an unusually ate hour, and Gertrude's card was filled up far
more closely than she wished in his absence ; and was while she was wal zing with one gentleman,
nd just before a rapid succeeding quadrille, for and just before a rapid succeeding quadrille, for
which she was claimed by another, that he came into the ball room, and requested her first disengaged dance.
Pour Gertrude fancied he looked cold and formal perhaps her own manner was somewhat piqued he quadrille he was not visible, till she caugh ing girl, to whom he was talking with great in ng girl,
She did not even know her, and could only sup pose some of their guests
But a strange gloom came over her, and she stole away as the guests were resting and taking som refreshment, which opened into a dining-room, where the celebrated mistletoe bough was hanging from the centre chandelier, between
tables now awaiting for their guests.
tables now awaiting for their guests.
She heard voices approaching, and
back to listen, she could just perceive the figure of Louis St. Aubyn and the beautiful girl in
he had before seemed so much interested. he had before seemed so much interested.
"It is the dinī̄̆g room ; surely we m come here," said a remarkably weak voice. "Oh, yes ; I may take such a liberty here. am privileged, and we have such heart-touching matters to discuss-have we not Ada, ma belle? And Louis gave an arch smile, and bencing
down, whispered something that brought the colo to the girl's fair cheeks.
Gertrude dared scarcely breathe; her very hear was choked and swelling with grief, and sham and indignant pride
Louis spoke once more, and her ears wer
strained to listen to the words. "Yes, Ada, we can, I trust, both be happy
now; but this is scarcely the time to enter on all I have to say. We must return; and I want to find Gertrude for the next dance. Hist !-by jove !-what a sprig of mistletoe ! Just the very thing fur the occasion! Ane pressed a kiss on her lips. She laughed-blushed-and with a half arch, half reproving tap on his arri with her fan, they
went off together in the direction of the ballroom. Poor Gertrude! she sat
stricken by sudden illness.
She never had guessed, nevor confessed the She never had guessed, nevor confessed the
tent of her love for Louis St. Aubyn till now. And to hear such words, when actually wearing
on her brow his volunteered gift, when she could on her brow his volunteered gift, when she could
recall such numberless looks and words, and even gestures, that could scarcely be interpreted as aught but the indication of honorable love. It was a terrible blow, and one that fell $m$

She had committed herself. She had given
She Winifred the insight into her mind. What could she do? Where could she hide herself til she had crushed down the agony, and taught her
elf to wear a mask that could not but deceive her nearest and dearest ?
She felt that her very face must be wan and
hagard her voice co vstrained. She must wait haggard, her voice co vstrained. She must wail
till the first shock was over, and then brave all, and suffer torture like a Spartan or a sage Indian So with dry, tearless eyes and a cold hand, which mocked the hurning brow ec support listened mechanicaly to the music and dancing, and only wondered when the advent of the party to sappo might risk her discovery, and conse
She closed her aching eyes in Life seemed so dark to her now
How could she ever trust anyon more is this deep pain was conquered ?
The music and the tread of feet sounded as if the crowd had actually gone frantic. How could anyone be so happy, so gay, and shesso miserabie?
Gertrude never knew how the minutes passed by till they certainly lengthened into an hour A kind of a dull apathy stole over her, and a voice said softly and doubtingly, "Gertrude-
-dear Gertrude, what is this ${ }^{\text {q. shie }}$ started "dis"if in a deep slumber.
in a deep slumber. This is extraordinary I", ste
"Mr. Aubyn! Ahe
said, gaspingly. "What could bring you here-in said, gaspingly. "What could bring you here-in
my private retreat ?" my "private retreat?", Gortrade; your nother 'is anxions abont you. She fears you are ill, to have
left the dances so long." left the dances so long." will go to to mamma ", she murmured. "I am
leave me, Mr. St. Aubyr." "Not wanted. A Not by me !-and you have not ${ }^{\text {danced }}$ fy
"You must excuse me, No doubt you would ony be missed elsewhere-where you oukery. He stood for a moment in wondering silence. Then, to her excessive
but irresistible laugh.
but irresistible laugh. "Can it be happy :-are you, indeed, resenting a perhaps. natural mistake ?" he said, a resenting a perhaps. natual
bright flash, of triumph illuming his features.
Gertrude's eyes were downcast, and a dawn of Gertrude's eyes were downcast, and a dawn of
suspicion that she might have been too hasty came on her mind.
"Perhaps you may have been here when I brought my cousin here for air, and for a few with an arch smile, "ana to exchange mutual conidences, dear Gertrude?
"I-I really do not know+it is no affair of mine,", she said, reddening, and trying to
pass him ; but he stood right before her. "No, Gertrude, not till you have heard the ex lanation which is due to you, after all I have said manner, if not in words, he said ielaide. Fance, who has been as a sister to me since boyhood, has ust unexpectedly returned with her mother to ou house, and 1 knew that in might last moment, She has been betrothed most happily in your absence, and I was exchanging congrat happiness, when we strolled in here, and, I believe, enacted a foolish piece of sentiment into the bargain," he added with a glance a, the mistletoe. drawing her more
"Gertrude," he resumed, draw daringly towards him, "can you not guess wha
was the happiness I hope for, that I wished Ade laide to sympathize in? Will you not tell me whether you can love me, and whether this dear hand is to be given for life, as well as She cert. Aubyn, your true lo the said hand told a great deal instead of the lips. And when they went into supper, Adelaide counce's dark grey eyes looked significantly at her the mistletoe bough. But Louis did not take advantage of its privi lege. inerhaps he sear eely ack
Three months after, Gertrude and Adelaide were married on the same day to the lovers of their choice; and some twelve months ater, when Wirs.
fred followed their example, Mrs. Fance and Mrs Ponsonby agreed to share the home of the latter. But, so long as she lived, Gertrude preserved that But, so ong as she lived,
memorable branch of the mistletoe.

Gatinuie catay's gepartment.
My Dear Nieces,-With this number we complete our labors for the year and make our las fisit for 1881. We hope, however, to continue the acquaintance of all with whom we have had such pleasant intercourse for months and year beautiful volume the numbers for the year will make, and how much information it will contain at so trifing a cost, we settle down into the con viction that we have really done something towar making our friends both rich and intelligent Doubtless our readers have discovered all this lon ago, and we are, therefore, wasting both time an paper, so will think a little about what can be don to make the winter home pleasant, and especiall to secure a Merry Christmas and a Happy New Tear. This we wish all our friends most heartily but we have never accomplished much good only wishing. A good deal apon the disposithas bus best from busines bay able only for a big dinner, and the absence of the usual routine of work. Where there are no chil dren in the household there is some excuse, pos sibly, for the failure to observe this holiday in joyful manner. Otherwise, it is pajust to the young folks, who are thereby defrauded of a aright ful heritage. Every ohild is a sabject for aympathy to whom Christmas tide comes and goes withou marking the 25th of December as a red letter day A distinguishing feature of Christmas has alway been that of the decoration of the churches an the home, and we have often been and pleased to observe the zeal with very litt coistace inded from those who are stronger and or ons in all enlightened countries, Christmas is the day when people possessing love for their families and fellows manifest it by some gift. It is especiall a happy day for the children. It matters littla whether it is Kris Krinkle, St. Nicholas, San Clause, or papa and mamma who give them present -the important fact is that somebody loves them, and manifests that love in a girt. No man wha loves his child should allow Christmas to pas without giving it something that wil mor heart rejoice, and render the day Minnie May.

Mapam, -I am a small girl, but cannot think of doing without your paper, and seeing t have'got two new subscribers. I wish to try fo one of the prizes, and if you wish to send me o.
please send "Lorne and Louise." please send "Lorne and Louise."
Russell, Ont.

## Recipes.

mince-meat for pies.
Shred and chop very fine two pounds of beet suet : by dredging the suet occasionally with flour
it chaps more easily and does not clog ; boil slowly but thoroughly, two pounds of lean round are prepared;) stone and cut fine two pounds raisins; wash and pick two pounds of currants; cut fine half a pound of citron ; chop two pounds of apples, weighing them after they of salt, a teaspoonful of cinnamon, a grated nutmeg, a salt-
spoonful allspice, half as much cloves, half an spoonful allspice, half as much cloves, half an
ounce of essence of almonds, half a pint of brandy, ounce of essence of almonds, half a pint of brandy, and a quart on cider.
place all winter. If too dry add more cider. iron rubt stains.
Tron rust staius may be removed thus : moils
oxalic acid on it, wet these and dissolve them lay thoroughly in clear water. Or use lemon juice and alt. It is well to have a bottle of oxalic acid in e, but it should be labelled poiso
oud english plum pudding. One pound of raisins, stoned and cat sman ; one
pound of currants, well washed, picked and dried. uarter of a pound of citron, cut fine ; half a pound quarter of a pound of citron, cat ine ; half a pound
of suet, shredded and chopped very fine, zlmost like flour ; half a pound of biown sugar, six eggs, saltspoonful of ground mace, the same oranspor
alf as much oloves, two teaspoonfuls of cinnamon, the same of ginger, one teaspoonful of salt, a nutmeggrated, one gill of brandy, a pint of milk, half pound of bread crumbs, on at a pound of flour; the sugar ; add all the spices and the salt, then He brandy and milk; sift the flour and mix 1 it well in ; then the bread crumbs and ale the fruit, roth ; the pudding should be about the consistency of a plam-cake; butter and then flour two tin forms and put your pudding in them, (atwo. quart
covered tin milk-can answers admirably ;) have pot with boilng water, the water to come about third from the top of the form; put the form in
he pot and let it boil uninterruptedly for four the pot and let it boil uninterruptedly for four
hours ; have a kettle of boiling water, to add to vur pot, as the water evaporates very rapidly. This pudding can be kept all winter in a cold dry
place, and be warmed by boiling over for an hour. satce.
Four ounces of sugar and two of buter well
reamed together; then beat an egg thoroughly into it, and two ounces of brandy.
to rake out soorch.
If a shirt bosom or any other article has been will fall directly on it. It will take it entirely out. - [Buckeye Cookery.

## Answers to Correspondents.

Dandruff.-R.R. K, Bays: "Soft water and persistent effort will free and keep the head free from dandruff. Wash the scap and rub
thoroughly with the fingers twice a week, taking charoughly with the hingers twice a wees, the roots. care not brush the hair well with a bristle brush.
Then When the dandruff is once removed, the applica
tion once a week regularly will keep it away. It tion once a week regularly will keep it away.
is of no use to wash it one week and neglect it the is of no
next.
A Subscriber.- What is the best way to make good chocolate? Ans.- Procare the pare French
chocolate, if it is not desired very rich use half milk and half water, put a pint of this on the fire to boil, scrape one square of the chocolate fine
and wen the milk boils take it from the fire and and wnen the milk bills
put in the chocolate, stir or mill it well with a chocolate miller, and in five minutes serve with the froth. Add sugar if desired when it is served Chocolate musi be served is an much oil, which soon it is an emalsion containing yo. of the liquid, and
separates and floats on the top can never be brought to its first state agaic. A Reader.-Is vinegar spoiled when frozen; now as it was? Ans.-Freezing vinegar separate the water from the acid, and if the ice which forms on to a tub of vinegar on a coll night is
removed, the vinegar is increased in strength in removed, the If the vinegar is repeatedly frozen proportion. thed the acid is decomposed and the vinegar
and thawe weakened.
Little Sandy. - Being a backwoodsman and no knowing the rules of etiquette, and wishing
secure the consent of the parents to wed the lady I so much admire, I would ask for the proper way
to address then.. 2. Is it etinuette for ladies to to address hair? 3. Is it in good taste for a lad bang her her hair singled? 4. Is it etiquette to
to have
secure the const of the parents first or the lady secure the consent of the parents first or the lad
with thew to matrimony? 5. What do you with a
think of my writing? Ans.-Do you mean tha think of my writage them by letter? If so, wo
you wifh to address the
will give you a formula, although we think you will give you a formula, although we think you
might write a mach more natural letter yourself might write a Humphrey Clinker and Blue Johnnie are avking for the same thing, we shall give a for
arhich may be modified to suit circumstances : which may be modified to suit circumstances:
Dear Mr. Brown. - You must be aware of $m y$ Dear Mr. Brown.-You must be aware of my
attachment to your daughter, Angelina, and I now beg your permission to propose to her. I am in a
position to keep a wife comfortably, and I think
you know enough of my obaracter and dioposition to feel assured thatt I will do mP boft to makeyour wife. Hoping that yoù will look favotably pon my suit,

When both the 1ady'sp ter should be tiady's parents are living the letbe dead, the letter should be addressed to tho mother, but never to both 2 It is still fochion hair io not now frant hair short: stantightod strict etiquette the parents ahould be congulted
first, but first, but nowhday it is quite wrual too, ais you put Jemnie F.-To kill the 5. It in poorg orso ofe
 give them a good beating; then sprinklio the edgee you lay them down.
A. G. O. - If yon place your cider near the stote and put a little whitker, and some sugaky mad
sheet of note paper in it, it will soon becomper goo sheet of
visegar.

Isabel.
by mrs. SARABM. wymias The prayers all said, the good nights told - itas Two dimpled hands, quite tatined and brown Peep out beyond the white night-gow "Tis Christmas. Eve, and Isabel'
Lisps in the darkness, "Now I'll tel You, Santa Klans, just ebery fugg "For Maggie's hat, a drum for Ned
For 'ittle (arace a trandle bed; A gold-head tane for my papa,
Betause he's lame; and dear.mamm "One 'ittle baby right from heaven, And that is all for them and me, w,
But lots for Lu and Will, you thee, "Poor lu and Will! Oh, please to brink For they've no h'ose nor milk nor fread For they've no hose nor milh nor bread,
"Make her well, Santa K'aus ! Bat no, Tis only God does that, and tso I'll pray to Him and ask Him, too
To tsend the fings I want to you."
Two dimpled feet upon the floor Two dimpled feet upon the floor, Soft eyes like eyes the violets hold,
And this the prayer the dear lips told: " Oh, God, I pray that you will make And my mamma-tso 'fraid there'll be Tsome awful fing befallin' me-

> "She worries tso-If you would Her youdd tate tare of Ituabel, Hen nrean l'd let the babryes Then pr'aps I'd let the baby 'stay
n heaven, till next Kristmas Day. "The other fings 1 need not tell, The other fings 1 need not tell Give Santa only, what is bent,
But do send La's, if not the rest Ah, precions darling, mother thest fall stores for will and And God provide, sweet child, for you.

## Life.

 Was it not said by some great sageThat life is an unwritten page
We write our fate, and when old age We write our fate, and when or
Or death comes on, We drop the pen.

For good or ill, from day to day,
Each deed we do, each word we may, Makes its impress on the clay
Which molds the minds
Which molds the minds of other men
And all our acts and words ars seeds
Spring up to form our wheat or weeds.
And as we've sown
-Argosy.

We've A'ways Been Provided For. " Good wife, what are you singing for?
You know we've lost the hay,
And what we'll do with the horses and kye is more
than I can say ; While like I as not, with ;
both curn and wheat." ${ }^{\text {bind rain, well lose }}$ She looked up with a pleasant face, and answered
low and sweet "There is a Heart, there is a Hand, we feel but
cannot seeWe've cannot seys been provided for, and we shall

He turned round with a sudden gloom.
She said: "Love, be at rest;
You cut the grass, worked soon
That was your woest,
hat was your work; you'd naught els you did wind and rain,
And do not doubt but you will reap rich fields of
gold
For there's an Heart and there's a Hand, we feel
We've ant cannot see- been provided for, and we shall always be."

- That's like a woman's reasoning --we must be-
cause we must." She softly said: "I reason not, I only work and
The harvest
west may redeem the day-keep heart When one door shuts, I've always seen anothe apen wide;
There is a Heart, there is a Hand, we feel but can We've not seealways be.
He kissed the calm and trustful face, gone was his she heard him, with
down the lane ; And weut abour her househoid tasks, full of glad singing, to time her busy hands, as to and fro sho
went "There is a Heart, there is a Hand, we feel b We've cannot se
always be." provided for, and we shall
Days come and go-'twas Christmas tide, and the The farmeat fire it burned clear, "Dear wife, it's been a good and The farmer said: "Dear wife, it's been a good and
happy year;
The fruit was gain the surp She lifted hay, you know."" a smiling face, and said: "I told She lifted then a smiling face, and said: "I told
you so!
cor therees a Heart, and there's a Hand,
but cannot seeWe've always been provided for, and we shall
always be,"

Wume -
Delicavy is a thing which cannot be ost or affornd lo article can restore the grape its bloom. Famili-
arity without confidence without reand structive to all that makes women exalting and ennobling. It i the tirst duty of a womang to be a lady. Guod ireeding is good see se. Ba iman-
ners in a woman is immorality. Awkwrdness may be ine wadicaibe. Bashfulneess is conktitutional.
Ignorance of etiquette is the result of Ignorance of etiyuette is the result of circum. men or. All can be condoned and not banish
men mom the amenities of their kind
But self.posesesol But selfoponsessed, unshrinking and aggressive
coarseness of denueanor may be reckonet as a State's I ricoun ofleance, a may certainly meckonet as a
merits that life. It is a shame for women to be lectured on
their manaled imprisoment for their manners. It it a shame that they need it.
Do not be ristrained. Do not have impulses that Do not be restrained. Do not have impulses that
need restraint. Do not wish to dance with the prince unsought; feel differently. Be Be sure you
confer honor. Carry yourself so lofty that men confer houvr. Carry yourself so lofty that men
will look up to you for re ward, not at you in re-
buke. The natural sentiment of woman is reverence. He loses a large means of grace when he is obliged to account a being to be
traiued in propriety. A man's ideal is not traiued in propriety. A man's ideal is not
wounded when a woman fails in worldy wisdom;
but if in then in wot but if in glace, in lact. in sentiment, in delicacy, ceives an inward hurt.


No. 3225-LIONEL SUTT.
A stylish suit, arranged with a double breasted, knee-pants cut plain at the top. The size for eight and
years requires three years requires three yards and a patterns in sizes for 8
twenty-seven inches wide.
and 10 years of age. Prioe, 30 cents each


A ht-fitting cuirass basque, to the bottom of
which s added a deep box-plaiting, forming the skirt, is the foundation upon whi h handkerchi
draperies are disposed in this stylish deig draperies are disposed in this stylish design.
smood and a turn down collar com
plete the dress plete the dress. The size for ten years require
seven yards aud three-quarters of goods twenty four inches wide. Hall a yard of silk will in
then the hood. Patterns in sizes for from 8 ol 12 years.
Price, 25 cents eaeh.


No. 2550-GEORGETTE POLONATS
Adapted to all chisses of ands. For
medium size nine yards and a quarter of good
tw inty-four Cinches wide will be reqnired; ; one
yard and a quarter of contrasting material will jard and a quarter of contrasting material will
trim as illustrated. Price, 30 cents each. A. . . Pell, agent for Mme, Demorest, 345 Notre Dame
St., Montreal, can furnish patterns, etc.

Datmeal as Food
Says an Irish paper :-Oatmeal is a food of real
strength and nutrition, having claims to be better strength and nutrition, having claims to be better known and more widely used than it is at present.
Of much service as a brain food, it contains phos phorus enough to keep a man doing an ordinary. amount of brain work in good health and vigour.
All medical authorities unite in the opinion that All medical authorities unite in the opinion that
eaten with milk, it is a perfect food, and having eall the requisites for the developpent of the system, it is a pre-eminently useful food for growing
children and the young generally. Oatmeal re children and the young generally. Oatmeal re-
guires much cooking to effectually burst its starch quires much cooking to effectually burst its starch
cells, but when it is well cooked it will thicken cells, but when it is well cooked it will thicken
liquid nueh more than equal its weight in wheaten
lour. The oats of this country are superior to Hour. The oats of this country are superior to
those grown on the Continent and in the southern part of England, but certainly inferior to the
Sootch, where oonsiderable pains are taken to cul. Soo ch, where oonsiderable pains are taken to cul-
tivate them, and it is needless to point out that
 thoroughly robust nation, which result is justly
se down as being derived from the pletiful se down as being derived from the plentiful use countrymen have the largest heads of any nation
cole i the world-not even the English having such larg heads-which he attributes to the universal
: 0 oasmeal, as universal it is being found in the tables of the rich and the tables of the poor in the morning the porridge aud in the evening the traditional cake. The two principal ways of
cooking porridge and cake (bannock), which I will cooking porridge and cake (bannock), which wis to
decreribe, and also some other modes of cooking t a fiord an agreeable variety of dishes. Firrt, then,
we will commence with a receipt for We will commence with a receipt for porridge :-
To three pints of boiling water add a level tea spoonful of salt and a pint of coarse meal, stirring
until the meal is diffused throngh the water-about until the meal is diffased throngh the water-about
eight or ton minntes. Cover it closely then eight or ten minntes. Cover it closely then, and
place it where it will simmer for an hour ; avoid stirring during the whole of that time. Serve ho
and with as little messing as possible, accorpanie and with as little messing as possible, accompanie make oatmeal cakes, place in a bowl a quart of meal, add to it as muoh cold water as will form it
into a soft dough, cover it with a cloth fiftee into a soft dough, cover it with a cloth fifteen
minutes to allow it to swell, then dust the paste. minutes to allow it to swell, then dust the paste
board with meal, turn out the dough and give it a
vigorous kneading vigorous kneading. Cover it with the cloth a few
minutes, and proceed at once to roll it out to an minutes, and proceed at once to roll it out to an
eighth of an inch in thickness ; cut it into five pieces cook them on a griddde, thene finishing them pieces cook them on a griddle, then finishing them
by toasting them in front of the firo.- [Cultivator.

## To Clean Poultry.

## mrs. henty ward? beechek,

Many complain of a very peculiar and offensive urkeys, geese and ducks poultry, particularly in tand why this should be so, when other parts are perfectly sweet and palatable. It is always the bones, \&c.; and unless the bird is on the verge of lecay, from having been kept too long, and quite unfit for use, it is usually the inside of these pieces,
objectionable. We find no difficulty in discoverobjectionable. We find no difficulty in discover-
ing both the cause and the remedy at least to that come in contact with the entrails, that are Mn entire satisfaction.
Many cooks object to Many cooks object to washing poultry at all
after cleaning them, but claim that wiping them with a dry oloth is quite sufficient. We cannot
think this idea is neat or advisable think this idea is neat or advisable, and are sure we could detect this unpleasant flavor in any bird
that has not been carefully washed. We should earnestly advise giving them a thorough washing to remain in the water a moment longer than neesessary to perfectly cleansing of all the parts, Drain in immediately, hanging them up by the neck a few minutes; wipe ${ }_{j}$ again, and put a clean
piece of charcoal inside, and hang in a cooi, dry piece of
place

A stiff whist broom or straw brush is better to remove the dust and dirt from a horse s legs than ceedingly nurvous, which often degenerates into

## *incle $\mathbb{T} \mathrm{mm}^{\prime}$ g dinpartment.

My Dear Nephews,
This year Xmas comes on Sunday, and, strange to say, Easter was on the same day of the week one represents, 1881 years ago, the birth of ou Saviour; the 2nd His rising again after having been sacrificed by the Jews. On both occasions we feel as happy as the day is long, but particularly on the weather is beantiful, time of the year whe come with it not only the sin sound but also the jingle of sleigh bells, as wall an merry voices of you, $m y$ children, on your firs waking up and finding what good things Sant Claus has put in your stockings while asleep. Many years ago, when I was a little fellow like yourself, I made up my mind to stay awake in bed and see for myself what Santa Clans looked like and how he could have big enough pockets to carry all the presents for all the children for five milea orld, far, an hat ime, I did not know that the ing and trying to $;$ b ag and tang to blind, or my mother calling out brealf I remember just which; at any rate it $w$ Xms and the way I ate the roast goose and plump pud ding makes me almost siek to think of it now, for the day after Xmas I had to take castor oil and a ot of other nasty stuff; if you will only take example by the way too much eating affected me, and don't eat any candies before breakfast, you will enjoy by far a much happier Xmas, this year. In the midule of the ocean every sailor celebrates Xmas day; they generally have service on deck wing the lll whe aring the year will hardy speak, on this day before everything is washed as clean as a new cop per, the sails seems much whiter, and the foam and spray dashing up against the ship's side would say, if they could only speak, "On this day was born, in the City of David, a Saviour, who is Christ the Lord.
The poor sick children in the hospitals look forward for weeks, and sit up in bed making wreaths for the coming Xmas, which, to some of them, may be their last, but does that make them the for Hipself, for this one day in the mple of every day we shall apend with Him You must all go for a walk in the afternoon, and please your mammas by coming home in good time for tea, with bright, shining, rosy cheeks, and, best of all, a splendid appetite well earned by a pleasant day's enjoyment ; then, after one more play with your presents, your poor tired eyeliad won t keep open, and your nice round mouths, for some reason or other, will get into the way of opening, because you are tired out; so with a kiss all around-off to bed. Good night
In looking over my list of those who have sent
the most correct answers to the puzzles since last May, when I promised the Advocate free for 1882, 1 find that none have answered all; but Wm Howell, of Carlow P. O., Ont., and Minnie G.
Gibson, of Kars P. O., Ont., have answered nearly all the puzzles, therefore I will give them each the prize. And credit is due to Chas. M. French and has written letters worthy of a prize. But no on will offer our prizes for Minnie May's and Uncle Tom's departments next month

Uncle Tom.
Paper pulp made from sawdust is to be sent to
England from Welland, Ont. It will be tried at an English factory, and the paper sold as an experiment. If successful, se
start a factorv at that place.

## PUZZLES.

159-Charade
My first was growing in the field; It promised for a famous yield; Search the map of England through,
My whole to you 'twill bring to view, My whole to you 'twill bring to view, 160-DECAPTTATIONS
1-Whole, I am a fog; behead me and I am a pring; behead me again, and I am a measure.
2-Whole, I am dexterity; bekead me, and I am to slay; behead me again, and I am unwell. 3-Whole, I am a amail thing; behead me, and I
161-milima. I'm on the land, and I'm on the sea,
Wherever you tarn yon'll sure see me 'm in your rooms, ind I'm in your stores, And I used to guard Old England's shores ;
I'm hard, I'm soft, I'm both heavy and light, m hard, I'm soft, I'm both heavy and lig 'm thickly spread in the far-off west, And deep in the earth I lie at rest; In the shape of a substance you've often seen,
When old Father Winter hides the green Of summer, with thick coat of snow, And fun goos on 'neath the mistletoe I'm brown and white, and I'm large and small I'm used by the savage to slay his foe ;
And I'm often placed the way to show To the traveller bearing me in his hand, To aid his path through a hilly land. 162-square word
A man's name, advantage, a ri ver and lake in
Brazil, a river in Denmark, also a waterfowl used in muvic in Denmark, also a waterfowl, signa to the
misery.

## Tbont ib3-Drop-lettre puzzle Wehrtgnbeeitemporsfe Tesigaddrwootaewfroe Ottkamaantasaotobe



## Answers to November Puzzles

152-War and love are strange compeers,
War sheds blood and love sheds tears
War has swords, and love has darts;
War has swords, and love has darts; 153-W, one, uncle, elk, e.
154-Warrie.
155-C
155-I sawtEasau kissing Kate. The fact is all
hree saw I saw Easau. He saw me. She saw I saw Easau. 156 .
156-Chair, hair, air.
157-Envy is a self-execution. 157-Envy is a self-execution.
158-Wrist, rover, ivory, serfs, tryst.
This world belongs to the energetic.
He who is perfectly vanquished by riches can

Names of Those who have Sent Cor
rect Answers to Nov. Puzzles.
 Snyder, Amy A. Lancaster, Minnie G. Gibson,
W. Howell, Enos Marr, Addie Richard, John Dearing, John E. Fleming, Katie Ellis, A. G.
Gurney, Jessie Gurney, Jessie Munro, P. T. Ketchum, Tom
Wilkin, Robt. Wilson, Ada Graham, Bert L. Switzer, Harry Johnston, Guassie Gordon, Helen
McMann, Flora H. Hunter, B. S. More McMann, Flora H. Hunter, B. S. Moore, Janie
Gouinlock, Dora Evans, George Smith, F. LanGauinler.
caster

## Mistletoe at Christmas Tide.

The hanging of the Mistletoe is the cause of
much frolio and latighter in the house, It is a much frolic and latighter in the house, It is a
rule that whoever is passing under the mistietoebough must submit to being kissed then and there by whosoever chooses to talke that liberty. As a
bough usially hangs from the centre of the ceiling, bough usually hangs from the centre of the ceiling,
spreading over a large space, it follows that there spreating over a large space, it follows that there
must be much dodging or much kissing. I am inclined to think that there are both. The origin of this use of the mistletoe is not
known; but we know that more than eighteen known; but we know that more than eighteen
hundred years ago, when the glad stars sang together over a manger at Bethlehem, and wise men brought gifts of gold, frankincense and myrrh to a was a chill, mist-covered island, inhabited only by savages who wore garments of skins, and lived in
huts of mud and stone. Among these savage Buts of mud and stone. Among these savage
Britons there were pagan priesta oalled Druids. These priests were a mysterious folk, who lived in the gloomy solitudes of the forest, and who, strange, secret ceremonies. The "sacred groves," as they are claled, were of oak; for the ooak was a
divine tree, according to Druidical religion With in these sacred groves, the priests, it is recrded in history, offered their sacrifices, and in some manner not now known, they employed the mistle-
toe. But all mistletoe was not sacred to the Druids. They would have none but that which clung to the trunk and was nourished by the sap of whe divine oak. To them the apple-tree mistletoe which modern England uses so freely in her holi-
day festivities, would be a worthless and common thing.

When, in later centuries, England was taught frou Rome, the people, though professing a belie a Christ, retained many of their heathen rites and
customs changed from their original purpose. At any rate, from the Druids has come the modern usage of the mistletoo-bough, strangely birth of Him whose which commemorate th heathen superstitions.

## "I Beg Your Pardon.'

A civil word is the cheapest thing in the word rarely give to their inferiors. See the effect o civility on a rough little street boy. The othe end very rudely ran against a boy, who was smal and ragged and freckled. Stopping as soon as she could, she turned to him and said: "I beg you pardon; indeed, I am sorry." 'The small, ragged and
freekled boy looked up in blank amazement instant; then, taking off abont three-fourths of a cap, he bowed very low, smiled until his face be
came lost in a smile, and then answeres. "it kin hev my parding, and welcome, miss ; and ye may run agin me and
won't say a word." me clean down, an'
After the young lady won't say a word." After the young lady passed
on, he turned to a comrade and said, half apologet on, he turned to a comrade and said, "I never had any one ask my apording,
ically y
and it kind ${ }^{\prime}$ ' took me aft my feet" A Western jadge was approached by a verdan
couple who wanted to be married. The would-be couple who wanted to be married. The would --be
groom asked the price of tying the knot, and was quired the rustic. "Yes," said the gqnire?" in beeswax was brought in, and upon being weighed
was fonnd to was found to be worth just co cents. "Waal,"
said the anxious groom, "tie the knot, and l" said the anxious groom, "tie the knot, and III
fetch more wax next week. "No, sir ; I don't, trust ; that ii a against the rules of the office.",
trowly the disappointed youth turned to Slowly the disappointed youth turned to go out,
saying : "Come, Sal, let's go." "I say, mister," saying: "Come, Sal, let's go." "I say, mister,
answered Sal, with a woman's wit,", can't you
marry us as far as the wax will go?" "Yes, I marry us as far as the wax will go ?", "Yes, $I$
can, and I will," responded the squire laughing,
and he did

## The Muskrat

The muskrat abounds in the regions of North America between the 30th and 60 th degrees of
latitude, except in some portions of the Sonth eastern States. The body of a full-grown animal is about fifteen inches long: tail ten inches. The
body is thick and round, with a short head and indistinct neck; incisors large; eyes small, lateral,
ears short and hidden by the fur; thighs hidden in the body; legs very short, so that when the animal walks the body touches the ground; legs and feet covered with short, shiny hair, hind feet with toe gined with rigid hairs; claws strong; tail large, giattened laterally, larger in the middle, tapering to a point at extremity; it it covered with small
brown scales, interspersed with short black hairs The pecaliar secretion which gives this animal its name is fond in glands at the reot of the tail. This musky fluid is more abund ant in spring than downy fur, intermixed with longer and coarser beaver.
The muskrat is an aquatic animal. its stout tai and muscular hind legs furnishing it means of loco-
motion in water, from which it is protected by it thick, downy fur. Its move
ments on land are tlow an ments on land are tlow and
awk ard, and with its tail
trailing on the trailing on the gitround and
feet wide apart, it makes a ingular track; if in snow $r$ mad, the mark of it ow-set body is seen.
Along swift streams and
by clear water muskrats by cear water muskrati
live in burrows; but int marshes and ponds and long slaggish streams they ticks, rushes, leaves of of and other aquapond hly, nd other aquatic plants, gether with mud. In the entre is a comfortable hamber, entered only he surface of the water. This is the winter home, building and occupying the same house. Near by, in he bank, is a burrow with alleries, to which they re. ire when driven from their hooded out by high waters, These burrows al ways have heir entrance under water, ength, though at no great epth below the surface o he bank. The house when completed is three or fou ooks like a small hay cock. If destroyed by hunters,
the repairs are begun the
ext night and proceed so
ing is usually restored by moridy that the dwellare usually washed away by the high water in the ring, and are rebuilt every season
The it is not uncommon to catch a a though in the it moves rapidly through the water, or dives sud mer upon the leaves of various water plants, the arrowhead being an especial favorite; and sometimes, wandering on the land in quest of food, it Indian corn, melons and other vegetables, It consumes great quantities of muscles in some of our rivers. Colleeting them from the bottom, it car ing apon its haunches and grasping them in its fore paws, it skillfully opens the shell with its incisors. The greatest injury it commits is by bur-
rowing in embankments formed to confine water, mill-dams being often much damaged in this way Though during the winter several families live in the same house, when warm weather comes on
they pair and take to their burrows, where they they pair and take to their burrows, where they six in a litter, and not unfrequently three litters
in a season. The muskrat is courageous when attacked; males often have fierce battles with each
other. Its chief enemies in winter are the mink and the otter, upon land it is captured by various were used, it was almost impossible to shoot one while in the water, so instantaneously do they dive upon the slightest alarm; but they cannot do thi
quickly enough to escape the percussion gun,
medium range and with heavy shot or a ball. The muskrat is one of the easiest of animals to entrap, and is caught in the box trap and dead-
fall, but oftener in the common' steel-trap. The proper time to trap them is from the middle of February or first of March to the middle of April. The traps are set on logs lying parcly in the water, on which is seen the signs "or excrement of the rat, which resembles that of the Nurway rat, only
that it is larger, on bays orteeding beds," which are formed by the rats of sedges and water plants, and on which they sit to feed, and also in their burrows. When set on a log, the trap is placed in should be from one and a half to two inches under water. This is the proper depth in all places. Th-
ring of the trap chain is slipped on to $a$ stick hav
ing of the trap chain is slipped on to a stick hav


Household Affairs lungs. A knitted or crocheted tirdile made broad
and tied about the waist will greatly The winter dress for children is a serious mat-
ter for consideration. Children often suffer in this
respect, for fashion's sake, much more than older respect, for fashion's sake, much more than older
persons. Their short clothes expose thear tender persons Their short clothes expose their tender
limbs to cold which they are not able to resist ; and yet ti is not necessary to cumber them with inconvenjent clothing. The present fashion ex-
poses the sether limbs too much and some proposes the dether limbs too much and some pro-
vision should be made for better protection. Boys with short troussers should have warm knitted woollen stockings long enough to come up above
the knees, and the trousers should be tied or but to knees, and the trousers should be tied or but-
tone
dre drawers should be worn in all cases to fasten a
the ankle, but this will not be a full substitute the ankle, but this will not be a full substitute fo
closed trousers. Canton flannel is a warm and ex cosed trousers. Canton flannel is a warm and ex-
cellent material for under-drawers. A soff flannel under-shirt with double breast will protect the and tied about the waist will greatly protect the
bowels and stomach. This may be made of some bright color and will make a picturesque addition
 dersnit consists of waist
with long sleeves and long
drawers to fit around the ankles, buttoned togethe at the waist. This may be
made of soft shaker flannel, mhich is of wool and cot
whin, or of tleecy ton, or of fleecy canton
flannel of good quality Long stockings are draw over the knee and ful
drawers of colored flame drawers of colored flamne
buttoned over the stockin are not too warm. The uter waist should be wel protected by lining and the and reduced in wright so a waist. A bright colore girdle or sash will be addi tional piotection.

The Flower Garden. There are few flower mire gorgeons in sammer it is only occasionally that we see very good succes with them. Most people oots planted where the ground is hot or dry. The
lily plant, that is, the top, o flower in, but the root love a cool and shaded place. There is scarcely pring than a bed of hya termixed. The hyacinths
ing a hook left near the bottom and a crotch at the top. The sharpened lower end of this is is thrust drown the muskrat; otherwise it will gnaw off to legs and escape. Muskrats are also trapped in large proporti in their burrows in the fall; but mall as to be nearly worthless. A little of the ani" al's musk placed near the trap will attract as several years ago, when not in such high repute ased in this country and exported in large numers to England to be made into "beaver" hats. meat. The musky secretion is saved by some trappers. It is sold for perfumery, doubtless under the name of Cli
is just as good as that
An old Irish story of Irish ruffianism goes as assault in Dublin, the sum of $\$ 5$, turned in court to the unfortunate prosecutor, and said, ""Bedad,
wait till I get you in Limerick, where batiu's so chape ! shure l'll put a, few marks on yez to carry
to the grave wid yez !"
the tulips come in. In the spring gladiolus and tuleroses can be placed between these; and if de. sirable, some flowering bedding plants, and in this
way the gaiety and interest can lee preserved from spring to fall. Crown imperials are capital thing spring to fatl. Crown imperials are capital thing
for the centre of small beds, and the regular bedding plants can go around them. Narcissus kee their oliage too long after flowering, as does th
snowdrop. These can hardly be made available where regular bedding is desirable for summer They are best in odd patches by themselves in the grass about the lawn, as it is generall over before the first mowing takes place. But it would not be admitted into our best kept lawns, spring gardening, but few will care to be without them. Besides these there are many little items which are noted in almost all bulb catalogues, from which many interesting spring blooms can be
had. No one will go amiss in looking well to this class of plants. The time will probably come when bulbs will be made a specialty by cultivators them, and everything made just to their likingr - [Gardener's Munthly.

A Two-and-a-Half-Dollar Christian. There are a great many people in their religion
that remind me of "Uncle Phil," a pion darkey of the old times in Texas. Well, Phil was fervent Christian with a great gift of prayer. He on the neighboring plantations, and could meeting louder and longer than any of the brethren. Bui Phil had one weakness - he dearly loved money, and, different from the negro generally, he loved
to hoard it. Near by us lived a man who, not troubled about any scruples, would pay Phil a
dollar to work in his field on Sundays. lollar to work in his field on Sundays. One Sunhim with:-
"Where have you been, Phil ?"
You have been working, Marssa"
"Well, you see, Massa, the olld fellow is in jest couldn'ts stand it.
breaking the Sabbath the devil will get you for
Phil ocratched his head a minue and sai
"I guess the Lord 'll' scuse me, Massa,"
" No. He says 'Remember the
and keep it holy.
not long before I heard his voice in fervent it was not long before I heard his voice in fervent prayer
back of the barn, and so I thought I would slip down near enough to hear.
ripped and teared, cursed and sweared at thay confounded oxen of Miller's and jest broke the Sabbath day. O Lord! please forgive me this time; 1 'll never do it again as long as I live 'cept-
ing he gives me two dollars and a-half a day."' At this point I was obliged to beat a hasty retreat, but I am thinking that poor Unole Phil isn'

## Gems of Thought

No man is more miserable than he that hath no It is the enemy whom we do not suspect who is the most dangerous. grows that in character made with womanhood or manhood; but, duy b day, here a little, and there a little, grows with
the growth, and strengthens with the strength, until good or bad, it becomes almost a coat able, conscientious, yet clear headed and energetic
When do por When do you suppose he developed all those ad
mirable qualities? When he was a boy ? Let see the way in which a boy of ten years gets up in tell you just what kind of a man man will make school, stands a poor chance to be be a prompt man, The boy who neglects his duties, be they ever so small, and then excuses himself by saying, "I for
got-1 didn't think!" will never be a reliable man And the boy who finds pleasure in the suffering of weaker things will never be a noble, generous,
kindly man-a gentleman.

There is a dreadful ambition abroad for being the expence of honesty ; and though we often at be rich, yet. we may seem to be "respectable," though only in the meanest sense-in mere vulgar show. We have not the courage to go pationtly
onward in the condition of life in which it has pleased God to call us; but must needs live
in some fashionable state, to which we ridiculously please to call ourselves, and all to gratify the vanity of that unsubstantial, genteel world, of
which we form a part. There is a constant
struggle and presure struggle and pressure for front seats in the social
amphitheatre ; in the midst of which all noble selfdenying resolve is trodden down, and many fiae denying resove is is trodden down, and many fine misery, what bankruptcy, come from all this ambi we need not describe. The mischievons results show th mselves in a thousand ways-in the rank rauads committed by men who dare to be dishonest,
but do not dare to seem poor ; and in the desperate dashes at fortune, in which the pity is not so much for those who fail as for the hund eds of innocent
families who are so often involved in their ruin.
> "My boast is not that I deduce my birth
Froun loins enthroned, and rulers of the earth;
> The son of parents passed into the skies."

FALL CAMPAIGNII
Grand Premiums for Workers. The Dffer, ) For ONE New $\left.\begin{array}{l}\text { The Accepted, } \\ \text { Life's Voyage, or }\end{array}\right\} \begin{gathered}\text { For ONE New } \\ \text { Subscriber. }\end{gathered}$ Language of Flowers and Floral Con by Uncle charley
Contains the Principles of the Flower Language; Fiowere
with their Exprossion. Flowers by the Poete, a Fascinating with their Expressions. Flowers by the Poetg, asascinating
Story, Frioral
Leaves, \&c. Homeward, and fug choore or Balmoral Castle
Lorne and Lonise, or $\quad \begin{gathered}\text { New } \\ \text { Sustribrs }\end{gathered}$


Uncle Charlie's IIlustrated Game of The most desirable Game for Children ever offered to the pubici ilaying the elements of the Science of Botany are easily
and tharoughly accquired. MME. DEMORFSTSS Celebrated PAPER PATTERNS to the
ralue of 2cots. far ONE new subscriber, and to the value of
 Portolio.




 4 x 30 inches in size, is of elegnat finish and design. The
last two mentioned were publishen at Two Dollare each under
coppyrighte and Louise " was fally desecribed in our Dec. No.,
1879, and but a few copies remain in our hands. OUR RULES
 The prize if for the old subscriber who sends in the new
name, and no to the new subseriber.
Chooud your the choone your prize when remititing, otherwise a choice may
TTo any for youbseriber

 | end in ue |
| :---: |
| and. |
| and |

Christmas Presents.
The Farmer's Advocate will make a very useing such a present you are entitled to one of our To those who wish to give a more to please. present, we would call attention to the solid silvercased watch, advertised in this issue. As we have seen these watches, and aloo heard from per-
sons who have carried them, we consider it best watch for the price we have ever seen. You need not be a fraid of s nding to Mr. Murray, as he direct from Europe and the United States.

Manufacturing interests are in a highly prosper-
ous condition in this city. Messrs. Leonard \& Sons, alth uugh losing about $\$ 40,000$ by damage done by fire to their premises, have rebuilt larger and
better-looking buildings than those that were estroyed. They are full of orders, and no wonder We never yet heard of one of their engines burst-
ing. Durability and Efficiency should be the name of their engines, and Honor their motto, for they
stand second to none in these points.

## The Orchard

 We often hear the question "Is net fruit-growwill to be overdone ?" I annot conceive that all over be overdone to a greater extent than it nnually planted wers in all the orchards that are equirements of the trees, and would receive suoh after treatment as is essential to the perfect de velopment of tree and production of fruit, therewould then be a strong probability of a disastrous shrink-up in Pomological values; but view the matter in a rational light and the probabilities lead n the opposite direction. Thocands of trees al lot
motives inspired by the are actuated so to do by fruit harvest of a neighbor, without considering or estimating the years of steady toil in training and tilling th
trees and the vigilant warfare against insec enemies. As soon as these essentials crop out and
present themeselves as indispenable to present themselves as indispensable to success,
these emoticnal planters abandon the crops that these emoticnal planters abandon the crops tha
dazzled them and induced an outlay of cash rees and an appropriation of land 1 or an orchar Bonanza." Thousands of treess are thus annuall
planted only to wear out a few yeara of feebl existence, and then give place to some other cro In the next place, (fifty per cent. of what do struggle
fruit, that ment will exclude from the market. c . But outside of this, the consumption of fruit by our own peo
ple, in so many and varied ways is training to ple, in so many and varied ways, is training to
development of ous as the means of production. So that when
one considers the guestion of one considers the question of overdoing the grow
ing of fruit, we failto discover any practical or plausible reason why fruit growers should be dis couraged at the fature outlook of the industry
The foreign demand is wonderfol The foreign demand is wonderfol, and would bb
far more so if a better grade of fruit was prepared and a more honest syatem was adhered to by Canadians; these defects necessity will provide the proper
the protection against a serious loss of fruit in a green state is insured by the evaporation process by which every reasonable advantage of a good
market for the products of the orehard is guaran market
teed.
Not
Notwithstanding the fairness of the prospects, there are very many men engaged in growing
fruit who will not succeed-men who will loge money at it-but that class, doubtless, would fail at almost anything else they undertook, not possessing the elen a deliberate survey the naratures. amination and investigation of the why and wherefores, 1 am inclinedito regard the future out-
look for orchardists as bitg
and encouraging a decidedly hopeful and encouraging character.--Ex.

## Russian Mulberry.

Russian Mulberry, which has not yet to our
nowledge been introduced into Ontario, is recommended by Mr. Purdy in his Fruit Recorder. A correspondent, writing from Nebraska, says:-
"This valuable frutt, timber and ornamental tree was brought to this country from latitude $49^{\circ}$, as we can learn, a cross between the morus nigra or black mive Russian variety. rapid grower. Last year it made a larger growth than cottonwood trees. Trees, the seed of which
was planted six years ago, ars new was planted six years ago, are now twenty feet in
height and from six to eight inches in diameter. The tree grows to be very large, often reaching the height of tifty feet, and from three to five foet in
diameter, and is perfectly hardy. The timber is hard and durable, and is useid in the mannfacture of cabinet. Ware, and proves as lasting for fence
posts as catalpa or red cedar. It posts as catalpa or red cedar. It com nences to
bear when two years old, and is a prolific bearer the fruen being about the size of Kittatiny black-
berries; 95 per cent of the berne berries; 95 per cent. of the berries are a jet black,
the balance $a$ reddish white. Thes hava the balance a reddish white. They have a fine
aromatic flavor and sub-acid sweet taste, and are used for dessert as we use black berries or rasp. berries. The trees this year were so densely loaded as to exclude leaves. The leaves are
lobed or cut with from five to towly
lowe lobes.
The bark is greyish white, branches drooping."
The annual Convention of the Western Dairy the first Wednesday, Thursday and Friday in Feb-
ruary next. ruary next.

## (ermmertial

 Business during the last month has been some what quieter than the previous one. The cause of this is, no doubt, from the falling off in the receipt of grain, together with the deeline in price of wewa other products. The muday roads are not rather, see them frozen up
wheat.
This article has ruled very quiet, and from time. The fact is, wheat was forced up by speculation and not by the legitimate wants of the world. The reports of wheat at the chief Atlantic sea $69,27,000$ bushels, against $102,756,000$ bushels for the corresponding period in 1880 , showing the marked decrease of $33,000,000$. With this large falling off in the chief cereal exports of this continent the question naturally suggests itself-Where is England getting her wheat from, in view of the inoreased imports which we are told she would require for 180 and or she is drawing supplies from other countries than the United States and Canada. The situation is not very flattering for those whe thought
that wheat was going right up to $\$ 1.50$ per bushel. The decline in Chicago, from the highest point touched in October, to the price to day, is about 24 cents. This violent displacement of values
A Deaseroit grain dealer, who is evidently some-
what "bearish," says :-
In about two weeks th
and Oregon avalanche of $60,000,000$ bushels will strike Kurope, and about the some time the sailing floet from the Azov and Black Seas with the first
instament Russia's $100,000,000$ bushels and the tail end of last year's crops of India. Australia, tail end of ast year,
Egypt, New Zealand and Chili, will keep dropping
in for the next two months, and in sixty days from in for the next two monthh, and in sixixty days from
this time Anstralia will begin to ship her new crop, new crops. In the meantime our farmers hold on for the famine prices promised by the 'bulls,' and
the bovine animals hold on to their dear-bought purchases. But before they get rid of them not a 'bull' among them will make a decent ox, and
doubt whether a three-months old calf could be doubt whether a three-months old calf could be manufactured out like old Dogberry, to be written down an ass, and the du
look somewhat assical."

There is not much doing in peas from the fact that they were, something too high. A decline of six pence per cental in
Liverpool has not been met by holders on this side.
barley
Keeps steady, and from all accounts seems likel
to do so. Prices are good and farmers will do wel to sell.
s slow and not much doing as yet. Late advices from England report a very quiet feeling there,
with the disposition on the part of the trade to wait until after the holidays before taking any active action. What samples we have seen are
rather small and full, there being very little purple seed, a color that is so much admireid by the
sealers both in England and on the continent. The crop throughout Western Ontario is very good, verage crop. How prices will range is hard to say, but we think farmers need not look for any fancy prices this season, for, if the Western ach
counts are correct, there is a large crop all through counts are correct,
the United States.
|cheese.
There has been very little change to note, except that the factory men show more disposition to meet wo weeks at $11 \frac{1}{2}$ to 12 cents, and there is still a good deal unsold, and will be till salesmen meet
the views of byyers, or there is a decided change
in the markets of Great Britain, which will warin the markets of Great Britain, which will warrant buyers paying ne price a to the average in
The narket has been quite up to
quantity, but far below in quality Much of the September make is not as good as the average August cheese
the October is quite inforior, , eing soft and pasty,
features that are tery objectionable in a late made features that are very objectionable in a late made cheese, and that class of goods meet with very
slow sale in the the British markets. Could factorymen be made fully cognizant of the quality of the accept the sistuation munur more readily, and their quite as good returns. It is argued by some that while wheat, corn, port, beef, lard, we., are from 10 to 30 per cent. higher than last year, cheese is
much lower , instead of being quoted at 54 to 55 much lower, instead of being quoted at
shillings, it should be quoted at 75 to 78 shillings to harmonize with the general advance of all kinds of
provisions. However, there is one thing that provisions. However, there is one thing that
bears heavily against a proportionate advance, and that is the quality of the goods. There is no comparison between the guality of the cheese
this fall as compared with that of last year. - BUUTTER

Keeps very quiet, and the only enquiry is for
strictly fine goods, whieh are very hard to find There has been some considerable fine townships and creamery shipped to Now York and Boston from ${ }_{i}$ Montreal, for the local trade, fine butter
being very scarce in these cities. We wish there was more oreamery made and put up in such sized packages as would meet the wants of the home trade. We are of the opinion that much of the
butter now laying around the country will have to be sold very reasonable before it will move。
PORK,
This article is a good price, and farmers will do
well to market their surplas prodnct and not undertake to feed through the cold weather. Was there a prospect of an advance later on, we feel confident that the present high price of all kinds of to hogs at any profit.

Farmers' Markets

grain and provisions.


Halifax, 29th Nov.
Flour-
Sup.
Cheice.
Sis. Su. extra
Choiciog exi
Spring exi
Strong lal
 Wholesale produce markets.


Ftack zute
Guelph Fat Stock Club will hold their annual
Christmas Cattle Show December I5th, at the city of Guelph, Ont.
Powell Bros, , Springboro County, Pa., have just received from Great Britain their fifteenth import-
ation of Clydesdales for this season. All the animals came through the voyage in fine condition. Mr. Seth Heacock, Kettleby, Ont, will sell by of pure-bred Shorthorns, Cotswolds and Southdows. See advertisement.
During the past summer an immense amount of work has been done by the Dominion Government in connection with the Cattle Quarantine at No
3 Fort, Levi. Some fifty men are constantly engaged on the works, and the expenditure of the Grvernment upon them during the present season
amounts to some $\$ 15,000$. The extent of the amounts to some $\$ 15,000$. The extent of the
ground now enclosed as the quarantine station is ground now enclosed as the quarantine station
close upon 50 acres. All last year the loss of cattle in quarantine was but one per cent., and this loss, trifling as it appears, was due altogether
to natural causes. During the present year but o natural causes. During the present year bu
two cattle have been lost out of 300 , and three or two catle have been lost out of 300, and three
four sheep out of 1,400 or 1,500 . A great draining has been done this season, and digging
wells. At present there are 175 animals in quar antine, and 125 more are expected by the SS
Texas. It will thus be necessary to yarantine open this winter until somewhere abou

The attention of our readers is called to the public sale of fine stock advertised in thisis isoue by
Mr. Frank R. Shore. The stock offered is of good uality-just such animals as farmers find goo quailty-just such ani
profitable to invest in.
Hon. J. H. Pope has at present in quarantine a
magnificent lot of some 12 Polled Angus cattle of magnincent lot or some 12 Polled Angus cattle of are valued as high as $\$ 1,000$ each, thoush hit twich yeara old. We are glad to learn that some of Mr. Pop's' former investments in these cattle have yielded him handsome returns
will sell at public anction, 20 head of fine bald Ayrahires, an entire horse, a large number of pure bred Leicester and Sootht lown sheep, and all his
farm implements also $\mathbf{a}$ farm farm implements; also a farm of 200 acres. All
parties interested in pure-bred stock, of the above parties interested in pure-bred stock, of the above
breed should attend the sale. See the advertise
Se ments. We regret to learn Mr. Parks has suffered heavy losses by fire lately.

 is oalled the Davy tribe, and has been hept up at the above place or at Rose Arb, for about 200
years, and has been successful during this time in winning many prizes.. These animalis brought
from 17 to 102 guineas (about $\$ 50$ to $\$ 510$ ). This from 17 to 102 guineas (about $\$ 50$ to $\$ 510$ ). This
was ${ }^{2}$ good zale, but the prices realized by
 Viously, were only, about half as muneb, being polly
from 20 to 40 giineas (about $\$ 100$ to 2001 . are eurprised at this, for the herd was commenoed
over 100 years azo by the father of Mr Turner and kept up by his son, the above George T tiji this sate. The lattor is now 88 years old, and the most veteran breeder in all England. To show the
merits of his herd, he has won more prizes on them than any man living, they being 600, numbering from his frirt exhibition at the Royal Agrieultural Society's show in 11840 , down to the present year,
and also at country hbow. and also at country shows.
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lington, adjoining the Village of Holin, on IUESDAY, DFC. 13, $A$ t tex octiock A. u., or

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vey parties who many wish to otatend htis


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194-a SETH REACOCK, FOR SALE
a Chioice short orn rulh calves, Eleven monthb old. Color red. One from im-
ported cow. For podigree and price apply to E. E. COOPER, 192-b Box 270, OSHAWA, ont. IMPORTANT SALE

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Wednesday, January 11, 188 N. B At 1 p. m., sharp.
 Herd Book for cattie of the bestoricasanes.
Part of the the Cotswolds are imported or brat

 will meet all tr
ing of the sale
ing of the sale.
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194-4t
RANK R. SHORE,
White Oak P. O., On

## GUELPH

Christmas Fat Cattle Show,

## Under the auspices of the

Guelph Fat Stock Club will be held in the city of Guelph on thursday, the 15th of december, When prizes will be given for the beet $\mathbf{F}$
Cattle, Sheep and $\mathbf{H o g e}$.
M. SWEETMAN, JAS. MILLER,
${ }_{\text {192-a }}$ President. Seo'y-Treas

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