
the imported clydesdale stalifon, rifince of FAstrielf,


## EDITORIAL

## An Unbeaten Record.

The Arctic Ice Co., like many of Winnipeg's most enterprising firms, have gone extensively into farmland, is situated east of the the city of Winniper ancont four miles. Considering the short lenntheg of time, little over a year, this farm has been ocoupied, much has been accomplished, and about 200 acrese made ready for crops
One of the
tion with their farmi important features in connec Clydesdale stallion Prince of Eastfield (6183), the subject of our frontispiece illustration. As will be seen, this horse is one of the massive sort, having in a first-class draft horse flinty quality so essential neck, grand quarters and a good middle head and are well feathered, and his feet and pasterns right Prince of Eastfield is a dark bay, with only a small white spot on face; foaled June, 1885. Bred by John L. Imrie, Maryhill; sired by Prince of Wales (673); dam Jess of Blackhill (5475), by Young Lorne (997) ; grand dam Flora (179), by Young Lofty He was imported by hobert Ness, of well proud of who has imported many of the best horses ever brought into Canada, and the fact of his having brought out the Prince should of itself be a sufficient guarantee of his superior individuality.
Prince of Eastfield has been exhibited many
times both in Scotland and since his times both in Scotland and since his importation
in 1891 in Canada, and has in every case won first place, never having been beaten. The following are his Canadian victories:-In 1891, first and sweepstakes at Canada Central (Ottawa), Huntington County and. Sherbrooke fairs, and first in his class at Montreal. In 1892, he was first at Hochelaga Spring Stallion Show, and after being brought west capand also first in the Springfield fall fair. He is at present in only moderate flesh, and will be travelled ast and west of the city.
The Company has one Clyde mare in foal to Prince. Besides a number of Clyde-bred mares, the Company keep a herd of upwards of eighty grade and also ten brood sows, upon which they $=4386=$ Chester White hog.

## Rape Growing.

Though until recently comparatively unknown fattening lambs in England for many years. Thi practice has been introduced in a number of places in Ontario, and especially in the county of Welling ton, where it has long played an important part in fattening of lambs on for the Buffalo market. The prominently before the public by experiments 0 con ducted at the Ontario ExperimentalStation, Guelph Still, the rape is practically an unknown plant to many farmers, and we would advise all to sow a small area as an experiment. In appearance the plant resembles the turnip, to which it is closely re
lated. The min difference is that lated. The matin difference is that rape has no
fleshy bulb-like root, but the condition and prepara tion of the soil are similar. The soil should be plowed in the fall and well worked in the spring This plant gives good returns for all manure applied and as it is considered one of the best cleaning crops, it will take the place of a summerfallow. The nore work and cultivation given the land be-
fore sowing, the less will be' required the weeds down after the plants are up. Sow frop the twelfth of June to the middle of July in drills as for turnips, twenty-seven or thirty inches apart, with about one and a-half to two pounds of seed per
acre. Use a common turnip drill. The most satisacre. Use a common turnip drill. The most satis-
fatcory results are obtained from slightly raised factory results are obtained from slightly raised
drills, but one disadvantage in this system, which will mot be found in flat cultivation, is that the liable Tow wet on their batkis between the rows. they rempir, phenty of room. Start the seuffler it soon as the phats appear, and keep it going, not
only to kill the wemls, hut also to keep the surface oose and peady for pasturing ty the the the rape should sown ahout the middle of June, or before the esth. date to the con of the seaton. Rape is acknow ledged by all to be the best late fattening foed for

on hungry, animals are liable to eat too much, and lways get the best ben buying lambs for feeding possible; poor, late culls are dear at any price If at all possible, plow land used for this crop in the fall, for after the tramping of lambs in all kinds of weather it should be turned up to the mellowing necessary when buying the seed. Great care is necessary when buying the seed; obtain it from
some reliable seedsman, and have him guarantee that it is the right kind. If this is done, and the seed does not turn out to be as represented, damages can be collected from the seedsman. Last year, the rape on the Experimental Farm, Guelph, and also on the farms in that and other parts, was of an inferior bird rape; but like it, ripens seed the first year than thus was practically worthless for pasture and variety called the Dwarf Essex, which does no seed the year it is sown, has given general satisfaction. Much seed resembling rape has been palmed off on farmers; among others a German rape, which is grown for bird food, and as it much cheaper than the true rape for, it can be sold true rape is known when the second leaf appears it being smooth and glossy like the Swedish turnip while the other varieties have a course, rough lea like wild mustard. Test your seed before you sow buy early, and sow a little in boxes

## Corn Culture.

The great increase in the number of silos in Ontario during the last two or three years has in-
creased the acreage of corn, and in each succeeding year farmers who have never grown corn for fodder before try it, to a greater or less extent, and those who have grown it for years are increasing their prepared soil, and plenty of sunlight; for this reason it is better to plant in rows running north and south. A clover sod makes a good seed-bed or corn, but it must be thoroughly worked up.
If the land is stubble pow Hanure and either plowle plow it deep in the fall, the spring. Sow about the 2tth thoroughly in earlier or later according to the locationayd either It is not well to plant too soon. The seed is better in the barn then rotting in a cold, wet soil. In sowing use the common seed drill, and stop a number of the spouts so that the drills will be a suitable distance apart. As soon as the corn is oushel of seed to the with a light harrow ; repeat two gre it a stroke until the plant grows so high that the harrow pulls the plants out by the roots. The harrow will kill a large number of weeds, pulverizes the soil, does the orn good, and is the cheapest method of cultivahoe at work, and kigh to harrow start the horse not only as a weed cleaner, but dilso the summer, soil so that it will retain the moisture. the soil crust after a rain. The cultivation should be shallow, so that the roots of the plant be not in Each
Dature in his her should plant the varieties whic ipe these will have no unnecessary delay is nearly ng for it to wilt before putting in the silo-the silage will be better in every respect.
The further north the shorter
rowth, therefore a variety will be needeason
will mature in less time then is will mature in less time then is required for warme
ocalities; as a rule, the large varieties are later Mammoth South.
will do-well for the Sweet and Red Cob Ensilage Ontario. Thor the more southern portions of
Prolific, Angel of Nhed White Flint, Pearce Prolific, Angel of Midnight, Smutnose and Lonce
fellow are all favorites, requiring less tine plete the growth then the first named naricties.
For farther north it is likely that a still earlier For farther nowth it is likely first named variatios.
such as aill earlierecorn, ach as Mammoth ('uban or (rompton's Early
would give better satisfaction. Mut he best advic
 neighbornood, either hy yourself or sime good
farmer : also test the different varteeties of nowe
sorts in sinall plots. In this way each farmer is
always sure of what he is doing. Whays sure of what he is doin
Roots.
It is necessary for the stock-keper to provid
some succulent food for his animals. If he hats some succulent food for his animals. If he hats a
silo, he will find that corn is the cheapest and men convenient crop to grow for this purpose. If he



If you have not a silo already, why not build ne this season?
Try an acre of the Robinson combination of corn and English horse beans. See page 123, April 1st
issue issue.
Don't stop the grain feed all at once and depend on the pasture to keep the animals in
Get them used to the grass gradually.
Be sure and tag your sheep well before letting hem out to grass. See that the fences are all up before the animals See that the fences are all up before the animals
re turned out in the spring, and they will never are turned out in the spring, and they will never
fall into bad habits. A farmer who has good fences fall into bad habits. A fa
never has breachy beasts.
Harrow the field that has not been plowed yet. It will keep the surface fine, prevent evaporation plow and harrow later on,
Sow rape or corn on the field that you are getting get a good crop of feed. A farmer cannot afford to lose a season's crop from any field.
How many worthless dogs are kept in you neighborhood? Which are of the most use on a farm, dogs or sheep? If Ontario's Minister of Agriculture had his way, all the useless curs would go.
Go over the orchards carefully, if you have not already done so, and cut out all the black knot in the plum and cherry trees. Do not throw them
down in the brush heap, but be sure to burn them. Seeding will be well under way before this num ber reaches our readers, and in some places nearly over. Farmers will be thinking of roots, corn and
potatoes. Are you going to try an acre potatoes. Are you going to try an acre or more of
rape to fatten your lambs on this fall: What varieties of the difere
going to sow this spring? It will pay cops are you carefully the letters on corn, roots and potatoes in the issue of March 15th. These notes are written by practical farmers from all parts of the province. and are short, pithy, and to the point.
This is the most critical time of the year for the stock breeder, just between winter and spring.
Keep the animals in until the pastures are firm and Keep the animals in until the pastures are firm and will be very restless now, and must have kinds generous allowance of succulent food, as ansilage or roots, to bring them out in good order

Chief Buchanan, of the World's Fair, will consult as far as possible the wishes of the exhibitors as tions have asked for single judges, others prefer the three judge system. Requests will all be honored as far as possible. If assrciations have judges to Mr Buchan their names to
possible
The World's Fair Staff, Canadian Division. The following are the names of the Canadian tion of Mr. Larke, World's Fair Commissioner for Canada:Mr. W. D. Dimock, of Truro, N. S., is the secretary and accountant to the commissioner; Mr. T. G. Bell, Ottawa, press agent; L. H. Lafleur,
Montreal, clerk; J. H. Tracey, Ottawa, secretary Montreal, clerk; J. H. Tracey, Ottawa, secretary
to the executive commissioner; Peter Hughes Ottawa, George Parsons, Halifax, and S. Stanton, Bongards Corners, Ont., clerks. J. B Samson, thata, messenger.
Lolb the department of manufactures, Mr. Jame Sussex, N. B., assistant superintende. A. Charters rett, Ottawa, in charge of ladies' Of the liberal arts department, Mr. Wilson Mor In the agricultural department, R. S. Hodgins Quebece, assistant superintendent: J. P. Redmond Gamanoplue, dairy assistant.
J. Llowd Jomes of Brant foud a of he livestock department: J. Riecheldt, of Haldi mand comenty, assistant in forestry Jame of Haldi of Dundas. Superintendent of the machinery de of Dunda

## I. A.

 J. A. (i. (ionlet of st. Eustache, is superintendW. N. Ahdrow, of Montreal, superintendent of it superintembent.L. Woolsmon. Wf (imshy, superintendent of

Mr．J．S．Larke has at last been appointed executive commissioner for Canada at the World＇s
Columbian Exhibition．He has been for some months－ever since Professor Sounders was compelled by ill－health to abandon it．It is but just that Mr．Larke shoud have the title since he is performing the duties of the office．With so ex－
cellent an administrater Larke as executive，and with Mr．Carling，with Mr． after the affairs of Ontario，Conr．Awrey to look afertainly be in good hands．
andainals interests will Breeders will be
opoly of printing and selling to learn that a mon of the World＇s Fair has been the official catalogue firm，and the agreement with the Expositiogo authorities require only that the name and number of the animal and the name of the exhibitor be given，and also provides that no other catalogue of any department of the exhibition can be sold or given away on the grounds．No detailed description the official catalogue of theTogue．Compare this with the color，number in class，number in the differ herd books，date of birth，name of sire and dam，with the names of breeder and present owner，are all given．Such a catalogue adds much to the interest taken in the live stock，and also to the pleasure of an animal is seen its pedigre，for as soon as turned up and all particulars learned once be most outrageous piece of red tapeism is the rule that no circular，catalogue，or advertising cards，in which the exhibits are particularly de scribed，will be allowed to be sold or given away Chief Buchanan and his associates have done all in their power to oppose this resolution，and are
bringing pressure to bear upon the allow a fuller description of stock to authorities to official catalogue．He has also authorized the statement that properly worded catalogues of all stock owned by the exhibitor may be given away at will．Doubtless many breeders are taking in the their stock，and properly arranged cf advertising add much to their success in this partialogues will on the safe side，it will be necessary to send prof of catalogues to Chief Buchanan for his approval This matter should receive immediate attention，for it would be，to say the least，decidedly aggravating purpose of prepared a special catalogue for the purpose of advertising stock－at the World＇s Fair， animal on exhibition is particularly because some identified，that the powers that rule forbid th istribution of this circular within the gates of the xhibition．
Dogs

The following list of World＇s Fair judges has een announced：－St．Bernards and Newfound lands，Miss Anna H．Whitney．Mastiffs，Dr．R．H Derby．Great Danes and Dachshunds，G．Muss hounds and Foxhounds，Greyhounds，Russian Wolf Beagles and Basset Hounds，Mr．Pottinger Diams， Pointers，Mr．James L．Anthony．English Dorsey nd Chesapeake Bay Dogs，Major J．M．Taylor rish Setters，Dr．Wm．Jarvis．Gordon Setters，Dr H．Clay Glover．Field，Cocker and Clumber Span Tarrett．Fox and Bull Ter．Collies，Mr．Henry Bull Dogs，Mr．John E．Thayer P，Mr．T．E．Bellin． and Italian Greyhounds，Dr．M．H．Cryer．Blood hounds，Poodles，Schipperkes，Harriers，all other Terriers and miscellaneous，Mr．R．F．Mayhew．

Thornton＇s Circular．
dical we take the following not well－known peri－ rade in Great Britain．During the past year som forty sales were held，and some 1,850 animal $\$ 100-$ disposed of the average price being a little ove for the top price of the season being $\$ 5,000$ ，paid The Queen＇s sale made the hif＂at the Queen＇s sale． year，thirty－six animals averaging average for the Among the encouraging signs of the ti Thornton says：－＂Breeding，which twenty yr ago was sustained chiefly by line breeding，has of latle years been carried on more by what may be called individual merit．In fact，the animal has
been considered as well as the pedigree，with the result that Shorthorns have generallye，with the
increatewhat in size，and leecome stronger in constitu－ increased in size，and become stronger in constitu－
1ion，and have also developed better milking and
feeding propertion evideng properties．Our principaltshows have borne
evidence of this，and at those sales where breeders have combined the later system of breeding with a
careful regard to pedigree the enhance wrices
have proved the appreciation of the public．

We learn from the latest reports that the Honor tions in Montreal．He issued his tariff investiga－ interested bodies to appoint delegations various him and discuss the reconstruction of the tariff thus we see importers consulted on all sides， but no apparent interest taken in the case of the farmers as a nor will there be any，unless the wants be known in mis their Many of the members whable manner
constituencies have done the farmer＇s caus county by asserting that＂farmers are prosperous，the har Liberals are complaining，and that they have no ause to lament their condition．
The yeomanry will find no relief in speakin House．If the representatives on the floor of the hey have helped to carmers express to the men party＇s views to which the said they（the menibers）proclaim them from the hous op．If not，such members qualify themselves，if possible，to oppose or refute the farmers＇arguments he advancement of the party and personalaggrand he members who object for which nine－tenths of from the speeches made last session ，so we judg
Farmers＇Associations throughot
meet，draw up and pass well－considered reada should and forward the same to Mr．Foster and insist that he shall consider their interests as well as those of thers．In fact，agriculture should be the firs people，and is dhe foll seven－tenths of our y of all other classes depend
Unless the farmers bestir continue to be as they are now－burdened，that ew manufacturers may be enriched．
ery few be made wealthy？
The Ex be made wealthy？ Ontario and Manit Central Farmers＇Instithte these questions，so also should at once consider range and the Patrons．
Now is the time for action．If farmers and burdens lightened，the present is their opportunity to gain the ear of the governing body．Mr．Foster asked the members of the Conservative party to session of Parliament would be devoted to a recon－ struction of the tariff．If the leaders among the farmers do not take action now，when Parliament next meets it will be too late for them to wield any influence．
Not only should farmers discuss the tariff，but also the trade relationship existing between Canada the farmers，it should be done：the have a right to demand that it shall，Heretofo the manufacturers have controlled Canada，legisla－ tion has been enacted for their benefit，members of the Government have sought their counsel；but Then did they ever seek counsel from the farmers？ This state of affairs will not be improved unti Manitoba a similar their rights．In Ontario and sentative farmers were elected to the Cabin repre these Provinces as Ministers of Agriculture What Mr．Dryden and Mr．Greenway have done to advance griculture in their respective Provinces a thorough y practical man could do for Canada，if he conducted hermers of Canada appointed？Certainly when Angers was occupied his present position．We believe he have no interests in agriculture－does not know ha equirements of the class he is supposed to represent in the Cabinet！What a farce to appoint such Canada ！an moplation of Justice．Practically Sir John Thompson torter of farmers of Canada that Jomong thompon told the man able to fill the position as head of their own peculiar department．It was the farmers who de manded the appointment of the Hon．John Dryden in Ontario．He is a practical man，who knows their needs，understands their difficulties，and will not
sacrifice them to serve party ends Such a need at Ottawa．
Farmers cannot expect more from the one party support．The course for the yeomany to perpular to arise，mite，and demand their rights，poth loy petition and delegation，and above all be prepared

## STOCK．

## Sheep and Swine Men Convene

The Executive Committees of the Dominion
Sheep Breeders＇Association and the Canadian Swine Breeders＇Association held a joint meeting in Mr．John I．Hobse，London，Ont，．，April 10th， 1893 ．
thossboro＇，Ont．，was present as the representative of the Guelph Fat Stock Club． This convention was one of the most influential As enthusiastic yet held by these progressive
Associations．Among the prominent gentlemen present were the fongowing：Jromes Russell，Rich－ London Hill；John J．Jackson，Snell，Edmonton；John K K．liy．Share， peare；A．Simenton，Blackheath；R．Gibson，Dela－ ware：Wm．Oliver，Avonbank；D，DeCourcey，
Bornholm；J．E．Brethour，Burford；S．Coxworth， Bornholm；J．E．Brethour，Burford；S．Coxworth，
Claremont；R．Dorsey，Burnhamthorpe；R．H． Harding，Thorndale；J．JJ．Payne，Chatham；John
R．Craig，Calgary，N．W．T．；F．W．Hodson，Secre－ R．Craig，Calgary，
tary of Committee．

The John I．Hobson was chosen chairman
the Dominion Swine Breeders＇Association for the
period ending April 7 th， 1893 RECEIPT：

Menibers＇fees． 8288
839
3890
300
30
 eceipts．


Balance in Treasurer＇s hands
Moved by J．
Moved by J．C．Snell，seconded
that the report as read be adopted．
The financial statement of the
Association was then read：－－
Cash on hand from RECEIPT
Cash on hand fro
Members fees
Legislative grant
Prizes awarded at Guelphenditures．

Postage stationery and prectors＇fee
Cost of reporting last two annual d

Isck reporting last two anmual meet tings

Ralance due Secretary
James Russell－I think that the grant to each of Secretary－Treasurer＇s work can be done for $\$ 50,00$ ， adoption of the the reprant．Mr．Jackson seconded it．
Carried The Se
the business before the meeting，considered to be anytho decide whether the associations shall give whether shall such awards take the shape of medals， or shall a larger grant be given to the Provincial
Fat Stock Club．Last year，before our association agreed to contribute to the prize list，it was agreed
that the show be run on certin J．C．Show be run on certain lines．
J． this year be made satisfactory to the Board of the Bogiculture and Arts Association．I think the nents last year，and think if the wame arrange－ this year it would be satisfactory． union with the Guelph Fat Stock Cluh last year＇s the Agriculture and Arts Assock Club，and I think ns to run it on harder lines than last year．As aur report shows a deficit，I think it would be well to
have our grant increased，and think we should ask at least $\$ 800$ for each association．
hames Russell－Mr．Awrey seems to think we should have had．It seems to me both societien we clear of the Agriculture and Arts Association，and The other cards which they can play to advantage lock prizes．This body has also granted a can dian flock prize each for Cotswolds，Shropshires and
Southdowns ；more we could not expect next year the other breeds insill on，but 1 similar prizes．I think our funds could be well spent
here．I think it is a mister he in medals，as they amount to little；I would rathe support the Guelph Fat Stock Show．
J．E．Brethour－I that it is to our in－quite agree to support the Gre Ruselph Fat
Stock（lub，yet I do not think we should be bound hork（lub，yet I do not think we tho Gueld be bound wey fairly，and donot think we showe treated them
any rules dennd by
a drimental to our interests．I I think the any rules detrimental to our interests．I think thi
Agriculture and Arts Association were yratly
berefitted latt year hy union with our associations

It is to their interest to unite with us. Last year
the Fat Stock Show was superior to anything 1
have ever seen, especilly in the theo have ever seen, especially in the sheep and swine
department. the other Harding-I might say that I agree with joint Fat Stock Show with the Aryricultrone and and
Arts Association and the Fat Stock Club, if we can maseociation and tue Fat Stock Club, if we
should name angene committeenents, and 1 think we san make suitable a ame a comn
find out their terms.
find out their terms.
Chairman-I might say that the Guelph Fat
Stock Show will be a good one; even if we do
the Prover Stock Show will be a good one; even if we do not get
the Provincial Fat Stock Show, we are bound
get up a get up a. good exhibition. We are all in dead earnest
about it. into lechairman then read the agreement entered
Breeders' $\begin{aligned} & \text { Aspor } \\ & \text { between the the }\end{aligned}$ theep and $S$ wine Arts Association. Last year the Agriculture and
Club had that tock Club had three representatives, the Agriculture
and Arts five, and the Sheep and Swine Breeders Associations two each,
Moved by J. E. Bre
Harding, that a committheur, seconded by R. H.
with the with the Fat Stock Club, the theonted to confer
Arts Association, or other bodies with witure and Arts Association, or other bodies with whom suit-
able terms can be made, to the end that a first-rate
winter winter exhibition be again held sometime dirst-rate
the month of December 1893 , Carried the month of December, 1893 Carried.
James Russell-I desire that our Ass Jamport thusselilp desire that our Associations
cannot go in wielth Fat Stock Club, even if they cannot go in with the Agriculture and Arts.
J. C. Snell-As a memer of the J. C. SNell-As a member of the Agriculture
and Arts Association I man anxios that the Fat
Stock Show should mo to Guelph this year Stock Show should go to Guelph this year, and
made a motion to that effect at a meeting of the
Board Board of the Agriculture and Arts, but Mr. Awrey
was anxious that the Hamilton peonle privilege of offering us a milace in poople hate the
committee wast commititee was appointed to interview the Toronta
and Hamiton people tut $I$ ind and thamiton people, but t was surprised to find
that they had no suitable building in Hamilton,
but but offered us the use of the race-course. Thamilton,
were anxious that the city should were anxious that the city should undertake the
erection of a building, but the officials would not sent to that. When Whet the officials would not con-
Hamilton we met represe were at the meeting in Hamilton we met representative at of the coeroing in
and the race-course association if the city council would undertake the decided ment of the show the city would patak up the mananage- building,
but before doing that they would have to submit a but tefore toing that they would have to submit?
b-law to the people, which could not be done before by-aw to the people, which could not bedone before can give us a suitable buildi
is two miles from the city.
Guelph. We had much interested in the city of not very well used meting, and think we were
Arts Association and after the Arts Association, and after seeing what hade taken
place in Hamilton, we held the view that if Agriculture and Arts Association could not hold a show any where else, then they would come to
Guelph. We the Fat Stock Club of Guelph, de-
cided we would have one of the best Arts Association do, and if the Agriculture an Arts Association do not come to Guelph we will
have a oood show with all the eavantages of last
year. We think anter whe have a certain claim on those in charge. If we have the show another year we will consider ohe
selves fairly well used hut if the selves fairly well sed, but if the Agriculture and
Arts does not come to Guelp hanother year we will
think we are tot well wuedt A. Simenton-We seeln to be as one man re-
garding this question I think the best thing
woild be to appoint a committee thent aorangeenentspoint a comminittee to make the best
anistake if the sepirate think we will make a Arts. © Snell-The Guelph people have treated
 money toward the prizes, and the memblers of the the
Guelph Fat Stock Club have been admited for rem
 cents.
money where it will be buppreciated to spend the thin
Guel Gueeph hairse it wiven wis the bestrectiated. It think
place, and it it is a contral Mlace, and it is a central point: the bunthers of which to buy fat stoki If we change this point
and go to some other place, Ithink it tehooves us
 do not think it would berest in inot recognized.
dis to co-operate if the Agricult ure and Arts. Association see fit to
change troml (iuelph to a place where there is a lake think it would he wise to spend our heroney do not




 views similiar to Mre Mr Alibson, on the it it wird wet holds
ourt committee to decide whether they
outh think it


Moved by R. Gibson, seconded by W. H. Beattie,
and carried, that John Jackson and James Russell
be the exhibitit and carried, Rhat John, Jackson and James Reatseeli
be the exhibition committee for the Dominion
Sheep Breeders' Association with the be the exhibition committee for the Dominion
Sheep Breders A Association, with power to co-
operate with onther operate with othersaciatocian, wins in orver to
and
union a union Fat Stock Show, and that they be give
full power to act for this association.
Moved by F. W. Hodson secon Moved by F. W. Hosson, seconded by R. H.
Harding, and carried, that J. E. Brethour and S. Harding, and carried, that J. E. Brethour and S. Swine Breeders' Association
J. . . Brethour moved that $F$. W. Hodson's name
be added as a member of each committee seconded be added as a member of eat
by R.Gibson, and carried.
John R C. John Ro. Craid, Carried., N. W. T., was then in- N. .W.
troduced by Mr. Gibson, and was asked to take chair in the room. Gibson, and was asked to take not show last yoar- because were several men who diause stated that all animals should be sold to the butcher, I think
his should be erased By committee we ere instructed to hation, the exhibition this clause
col struck out.
A resolution was carried declaring that each ex either of the Dominion Sheep Breeders associatio or the Canadian Swine Breeders' Association, or oth, according as he exhibits.
R. H. Harding I think
fo us to do is to name the amount of money we
 ould get a grant of $\$ 880$ for each of our societies,
we could then give in prizes $\$ 500$ from each associn Hon. Unless we give good prizes good animals will thit e sent to compete; we want a good show. 1
think it will be necessary to appoint a deputation to get an increased grant. We enay try to get it by
letter, but if we cannot get it in that way we will have to go in a body to see the Minister. We ine may bave some difficulty getting the grant increased we will have to appoint a strong committee of in
fuential men, not to convince the Minister, but his Monges by R. H. Harding, seconded by R. Gibson
nd carried the and carried, that our exhibition committee be em
powered to spend in prizes as nuch money as last
 Moved by J. E. E. Beedthour, seconded by J. C. Snell,
and carried, that all hanimals shown in pure-bred and carried, that all animals shown in pure-bred
classes be recorded in some recoginized record, and that certificates be produced at the time of entry.
That the rules referring to the slaughter of animals shown shall not apply to pure-bred sheep and swine.
Moved by J. Jack son and carti ed Moved by J. Jackson and carried, that R. Giio
son, F. W. Hodson, J. I. Hobson, James Russell, J.
C. Sinel, J. E. Brethour mittee to wait on the government with a b view of
mit mittee to wait on the government with a view of
having the annual grant given to each association increased to $\$ 8500$ per annum.
John Jackson-I have heard it reported that the jodge from Exhinition Directors wish to select one
jund one from End one the
and positively
Mr. Giil
thry call 1 Bon-All I I know is this, they have what
They applied to the Shrorsho who select the judges tion for a list of tive names Breeders' Associataper in rotation as preferered. They applied to the
shropshire Breeders' Association
 zotions of the United States hiteve thetsock organi-
zor teertain mumber of nampes then applied to it the Shro mhimber of names. Mres wis nuersto siariand attended, who has chatre of the sheep
department at the Columbian Exhinition, that they
would take one from Canadia Would take one from Canada, one form, that thee
nd one from the United states, hut $i$ Eng hree recomnended could not, act it would in Wugsible to recominend two other (anadians, two
Snlish and three Americuns, and the Board of hefore these Board of Jurors, in the first place what woulde they pay judgesers, ind ant the it itst pood deal

 have to employ, that is, if they have three jongas
for each Class, they said they would pay that amount if they could set a grant fromld (ongyess for




 Cotser sith


 Then Wilkinsion, Haminenton, Blackheath, and C. Re. Shorire, White Oaik. Beattie. Wilton Girove, and Writrds Janes Talt on, Walkerton, and Herthert
Wright, (Guelph.

Dorset-Horns-W. H. Beattie, Wilton Grove, and , Abingdon.
Chester Whites-James Anderson, Guelph, and John Jackor, Glenalien.
Poland-Chinas J. J. Payne, Chatham, and D. Secourcey, Boraholn. Suffolks Sharpe Butterfield, Sandwich, and R. Dorsey, Burnham thorpe
Berkshires-J. . Snell, Edmonton, and S. CoxWorth, Caremont.
Tamworths John Bell, Amber.
Yutkshires R. Gibson, Dela ware, and Sharpe Butterfield, Sand w:ch.
Essex
Sharpe
Butterfield, James Anderson.
and carried, that the judges who acted last year at the Fat Stock Show be re-appointed, James Main being
named as first judge, and Sharpe Butterfield as named as first juage, and Sharpe Butterfield as
reserve jude.
Nessrs. $f$. C . Snell, John Jackson and Richard Gibson were appointed to draft a petition to Hon. Worid's Columbian Exhibition, requesting that Coradian records ber ecoginized, requesting that thicago. The
Collowing is a copy of said petitiont Chen Collowing is a copy of said petition-
meeting of the Executive Committeess of the a joint On Sheep Breeders' Association and the Canadian wine breeders Association, have been instructed cords of sheep and swine are not recognized in the published list of premiuns for the Columbian Exibition, That the standard of Canadian records
 directors, even at this late date, take into consider-
ition the advisability of reate records, as we find great difficulty in getting oun breeders to make entries for the exhibition on ac count of the extra expense entailed in recording
ancestors in the American records to complete the The Secretary was instructed to forward a copy
of the above to Mr. Buchanan and the Canadian

Studs, Herds and Flocks.
Three miles north of Cx bridge station, on the
Midland branch of the G. T. R., is situated Mount Pleasant Stock Farm, the proprietor of which is
Ir. Wm. Thompson, Ubridg has become familiar in connection with high name Cotswold sheep. Of winners at the Toronto Indus-
trial and other leading shows the Nount Ple trial and other leading shows the Mount Pleasant
flock has furnished its full quota. An inspection of the animals reveals the fact that only the best speci-
mens are kept in the breeding pen.
Such has been the demand for
for sheep that the original flock has been entirely sold out, and in
order sales, importations have been maded from trequent,
only specimens from the most noted ram flock hand; only specimens from the most noted ram flocks have
been selected.
The two-shear ram, Knight, which is at present at the head of the flock, wass imported last seseann.
He was bred by Mr. Chas. Gillette, and won first at He was bred yr. Chas. Gillete, and won first at
all the leading Canadian shows last season. If taken
fron from either a breeding standpoint or for show-
yard excellence, he is one of the best individuals we have ever seen. He has remarkable character,
lense, tustrous tleece with just the proper cint gether with an evenness and depth of flesh, thick-
ness of body, shortness of leg ind abund hess of hody, sle.
Robt. Jacols, which woul firist in the bred by Mr Toronto in Isgy, hais lately heen in ind tided thed clase flock
 Among the shearlings that weon. Amonong the shearings that were inported last also of Mr. Chas (Gillette's remarkably bood one
plenty of size grod
He has
 first in England last season is also still in that too Mr. Thompon is preparing a number of wonder
fully good two and itree-year-old ewes, which are Chicago. These, we the (olumbinstand were Wrold's Fair Heo Bignall. The two-year-old ewe won first at
he Revyil show of Euglind, held at Warwick.


 Wimers, and at goolly n number of supplying cus
wes of the same ange ant also on hand Hiaving gained an anviable reputatio
 Mr. Thompsonin has developed a very promising
trade. He has recently shipped no less thing five trade He has recently shipped no less than five
carlouss to brecelers in the Western States, besides
 on an in intwortation, and we hope soon to report
heir safe arri all


 with a hal Wra has at his command, togethe enabled him to get together one of the largest is not the largest, breeding flock of this sort in the
Dominion Dominion. With a view of extending as well as
improving his flock, Mr. Ward visited England in
1891 and selected from the most famous ram breeding flocks England. Those who have seen these sheep, speci-
mens of which Mr. Ward exhibited at the Toronto Industrial that Mr. Ward exhibited at the Toront
with the mist have been impressed with the high order of merit that alone could satisfy him when making the selection. Two exceedingly good rams were purchased, one from Mr
Robt. Jacobs, Gloucester, England, and the othe
for rom Mr. Gillette, Gloucester, while a grand lot o
store ewes were selected from the flocks of Mr store ewes were selected from the flocks of Mr.
Robt. Jacohs. Burford, and Mr. Chas. Bagnall,
Oxfordshire Oxfordshire, England.
cellence of this season's crop of lambs whith ex got by an exceedingly good ram bred by Mr. Gillette. So highly does Mr. Ward value this sheep
as a sire that he refuses to put a price on him. At the as a sire that he refuses to put a price on him. At the
time of our visit the breeding ewwes were in good
breeding condition breeding condition. After supplying the demands
of last of last season's trade nearly fifty ewe lambs were ing customers. The sales of last season an await severe in depleting the ranks of the ram lambs, yet
there are still a goodly number there are still a goodly number of shearlings on
hand, while the prospect for superior show hor this season's trade is very guperior show lambs of our visit there were some sixty on hand, and a promising lot they were.
Mr. Ward carries a ver
Mr. Wheep carries a very heavy stock of cattle
and sheep. About two carloads of fat cattle have been fed this year, yet he has much grain and ha
still on hand. The ject lesson to those "grain-growing farmers," ob usually at this season of the year go hunting around for hay to feed their working teams.
Mr. Ward finds room for a few useful Sh
cows, from which he yearly has some good young
bulls to sell; also Berkshires of good type ang breeding are always kept, so that variety may be this farm.

> little farnum stock farm.

The proprietor of this establishment is Mr.
Henry Arkell, Arkell, Ont., whose name has long been known in connection with sheep breeding communication, as all trains stop at Arkell, a
station on the Guelph division of the C. P. R., within three minutes' walk of the farm buildings. This farm contains three hundred acres of land the grains known in Ontario, while for roots and
the other field crops it is equal to any. The property is
divided by a wide, well-kept lane that runs its entire length, on each side of which are large, well such a texture that it becomes quickly fit to work after wet weather.
but in 1881 these were disposed of to kept here, Oxford-Downs, which have been bred ever since. At the above date the first importation of Oxfords Wm. Arkell, Heythrop, Fairfield, Gloucestershire, portations five were year at Reading, Berkshire of England, held that five head were imported ; these were chiefly from Hobls, Kelmscott, Gloucestershire and Robert a number of rams, were purchased from Mr. John
Jacobs, Burford, England. Jacobs, Burford, England. from the following flocks, viz:- of sixteen was made Albert Brassey, Chipping Norton, Geo. Adams, Farringdon, Berks., and J. A. Miles, Swindon, Wilts.; and in 1892 six were brought over, which
were purchased from Messrs. J. W. Jeffrey, Bris Norton, and A. Brassey.
Messrs. Adams' and Brassey's sheep, as well as thed Messrs. Adams and Brassey's sheep, as well as the
sheep bred by other English breeders. Through careful dealing with American breeders he has worked up a most flourishing trade, which he has
turned to good account. Thus Mr. Arkell has sold in many instances breeding stock to Canadian customers, and again bought from them the
produce. By this means he has not only obtained produce. By this means he has not only obtained
a large number of well-bred sheep, but at the same
time he benefitted his customers by buying from time he benerfited his customers by buying from
them their surplus stock.
them their surplus stock.
As might be expected
active preparation for the coming World's Fair a active preparation for the coming World's Fair at
Chicago Of the dozen or more specimens being
fed for this purpose all were in superb condition, fed for this purpose all were in superb condition,
made the more apparent at the time of our visit,
April 18 th, as the sheep had just been closely
hheared we shat care and attention he is personally bestowing upon them, if they do not give an account of themselvey
which will he a surprise to owners of English-fitted
 Maxavas=

## CANADIAN THORPE BARLEY

We regret to say that our supply of Canadian Thorpe
Barley was not equal to the demand. Several parties who Barley was not equal to the demand. Several parties who
sent in new names could not be supplied. To these we will
sive give any other premium offered for the same number of
subscribers, either now or at any future date. We tust that all who have received packages of Thorpe barley from us will report the results obtained as soon as the crop
harvested. We will be prepared next season to offer so valuabled. We wew grailins as prepared next season to offer some
vition prizes. We are anxious to obtain the services of ten first-class canvassers
to the persons we will give
were contracted for some monthr ago. Specimen. Among the preparen for the ennadian shows. Individual notice was the three-shear ram, British Vonder, bred by Mr. John Jacobs, Burford, Eng Wa, one of the pen of lambs which won first in England in 1899 , this sheep was bred by Mr. A. $A$.
Brassey, and imported as a lamb. Another good stock ram and ised inported as a the fock was. bred by hrther Mood
Geo. Adams; he was also a prize winner at the English
Royal in 1891. Rogal in 1891 .
Among the
Among the ewes is the now famous Minnie
Miles, at hreeshear winner of the silver cup over all treeds at the Detroit how the she silver cup ove in her class at that show show ; she onso won firs
which won tirst at toronto The yearlings are of equal merit.
$A$ few head of Shorthorns are kep
A few head of Shorthorns are kept. At the head
of he her: is Ottawa Chief, bred by J. and $\mathbf{W}$. Russell, Richmond Hill, Ont ; he is the sire of some We were also shown some good specimens of Berkshire pigs, which is the breed favored here.
SHORTHORNS, $\operatorname{BERKSHIRES}$ AND
OORKSHIRES

With the push and energy that has marked the Davis has established a our susinecesstrual stock then, Mr. him pretty closely tied at home, but has the The prices that fare of having become profitable. during the past winter, together with the prospect that high prices will rule for some time to come has hat the effect of vastly stimulating the demand
for breeding swine. In these Mt Dis. deavored to supply the demand by hreeding two sorts, viz, Improved LLitrge Berkshires and Large
White Yorkspires be ing-they are kept in about equal num an equal footmany good ones in the herd, one that is doing good service is Mistress Fourth, a typical Yorkshire sow,
imported in dam ind bred by walker Jones
was suck ling a litter of nine as nice pigs as one would wish to see, which is as whice pigs as one
might be expected, as she is a sow of superior merit herself, has great length and depth of side and well-let-
down the has great le
down hams.
Cuntry
Country Lass, by Sultan, is a yearling Yorkshire
sow that presents a good appearance ready raised a litter of pigs farrowed in November nd is again due, so that she has lost no time in becoming a profitable breeder, and yet she ha a number of Yorkshire boars and sows that are of a suitable age for coupling, and are well worth in-
specting, should readers require anything in this
In Berkshires, the boar Bakerfield has been principally used in the heord, and by by the appear
ance of the young pigs he has proved an impressiv. Among the Berkshire sows that drew oul ter of that beautiful sow Royal Duchess, byimp. This is Him, which Mr. Davis sold to the Experi mental Farm, Ottana, two years ago. Royal
Duchess 2 nd was suckling a liter of twelve wonderfull even, promising pigs, thus proving that
Berkshires give lauge liteers of goord pigs is welt tis other sorts.
The sow
The sow Violet 2nd, out of Imp. Violet, is a
really good one that has already one litter to her credit.
The
Tincible vincible, shorthorn herd has the Kinellar bull, In hull, , vermont, and is leaving some very nice calves
that that ate full of promise.
of the gether ll. Davis has a nicely chosen stock
of tifterent lines.

Southdown Sheep Breeders' Association
of Great Britain, Incorporated.
For the present the following shall be the

## Entrance fee <br> Annual subscription <br> $\qquad$ $\begin{array}{lll}x & \text { s. } \\ 1 & \text { d. } \\ 1 & 1 & 0 \\ 1 & 1 & 0\end{array}$ <br> 共

 deemed sutficient to to antirm one sulliscription will be the partners therein the joint rights and privileges of one indivin to membership, and either partner shall be entitited subject to Article e2s of the Articles of Association),on behalf of the firm, to exercise such rights and enjoy such privileges.
3.- Meeting of the Council shall be held each
 Council shall fron time to time appoint.
4. The ( Ounci), at its first Weeting after the Annual (General Me Me its first sheeting after the


The Flock FLIMK воок
, the first day of Jouk, shall be be phblished annually
fore the 30th of Aprilin in each year on a form sup-
plied, a statement results of the principal shows and sales suring the year, and any other informa-
tion which, in the opinion of this Council shall tion which, in the opinion of this Council, shall he
of interest to breeders. The Editing Conmittee of interest to breeders. The Editing Committee
shan beresponsibe to the Council for the publica-
tion in the for entrie in the Fliokk. Nook sxeepp stall be eligible
proved to the satisfaction of the shall be
sommittee to be prove-bred Southo sawns.
b. The price of the Flock Book to non-members shall be not less than 10s. 8 d .
7.-The charge for entering, sheep-male and
female in the Flock Book shall be as follows, and fembee in the Flock Book shall be as follows, and
subject to the after-mentioned conditions of
entry:entry

> For each individual sheep. For the replenich en bho of (1st year for hundred oer or part of hum chared. 0,10
And the cost of inspection and tattoing. -That every sheep be tattervy trade mark, and owner's foct ear, and that all rams or ram lambs sold, let, or used
for breeding purposes, be entered individ for breeding purposes, be entered individually in
the Flock Book, and that the Secretary will, at the request of the breeder, issue a a certificate to the
purcher purchaser, if so desired, called a transfer certificate
certifying the ram's flock number, at a fee of bd.
 ${ }_{3}{ }^{2}$. That sires used the 10 in entry and any subsequent year, flock in the year of
individually in the Flock Book., must be entered 1. -That every sheep sold to go abroad sire and dam thereof, must be entered in, with the in the current or previous number of the Flock
Book. Book.
addition to its try sheep so entered must have, in left ear, either $(A)$ its owner's private number in its
right enar, right ear, or ( $b$ ) its
eallock Book number in its right
3.-That all applications for foreign certificates
must be made upon a proper form, to be obtained must be made upon a proper form, to be obtained seller, giving his own and the purchaser's nalue the selier, giver
full postan adress, and that the Secretary's certifi-
cate must accompany the sheep on leaving this country
4.-The fees for granting the foregoing certif. cates shall be as follows:For every ram or ram lamb.....2s. 6d. each. and including five in number.2s. ©d. each.
For every ewe or ewe lamb over
five in number and under ten 2 s. ol. each. ten in number ewe or
ten provided dalways that all the ewes or ewe lambs are
the property of the eapplicant, and sold at one time
to the same person. 8.-The Inspection Commititres. east one member of the Inspection Committe at the Secretary to inspect all focks or any sheep they
may deem necessary before entering in the flock
book. Three to form 9.-All payments on behalf of the shal - All payments on behalf of the Association
shail be made by draft on the $A$ ssociation's bankers signed by two members thereof, and countersigned Shall be resting connittree. publication of the Flock Book. Two to form a
11. - Meetings of committees shall at such times and places as the chairumaum of eath
 ${ }^{2} \tau$ Baker Street, Londin, W .

Grey Faces in Cotswold Sheep.
 in Winnipeg, there was shown a supperior flock ,o
Cotswold sheep from Regina, a
number of then having grey faces. Amonsst breeders and otheris
present a difference of opinion was expressed
 also had the idea that it was at cross at some time or
another from the Shropshire, or some of the other
 corresponding with acknowledged judges who have
 Mr. Brown, of Norfolks.ine, writes as follows:




In 1808 I bought a grey-faced shearling ram at
Mr Lanes sale for 101 guineas. The first year he
did not get a did not get a grey-faced lamb; the next year all
grey faces. In 186 T I gained (amongst other prizes)
irst trize first prizes. an the meeting of the Roval ofncicultural
fociety of England with a grey-faced shearlin society of England with a grey -faced shearling
ram, and could give many other instances, but will
only further otserve on then price giver lotserve on that point that the highest grey frace and that at my announal letting lam last July
he haghest price ine haghest price made was for
The hired by Mr.
T. Garne.
"The only cross of which there is any record is a judicious infusion during the latter part of the
last and beginning of the present centuries of blood
I from the Leicester breed, for which Mr. Bakewell did so much about a hundred years ago." (ertainly there has been no cross of Oxford or Hampshire
Downs, or of any other short-wooled breed and it is a well-k nown fact that the Oxford-Dewn origi-
nated din the memory nated (in the memory of very many now livitity
from a crop of Cotswold rams with Hampshire-
Down ewe
 hreeders of Oxford-Downs using ('otswold rams
I have not thought it necessary to get another aunhority, because
Mr. W. W. Sted farcts
farme
Mr. W. S. Harmer, of Cirencester, writes as fol the subject of grey faces in Cotswold sheep untill could consult Mr. Robt. Garne, of Ald worth, in this County (Gloucestershire), the first president of the
 of the Royal Agricultural Society of England, and
of the Bath and West of England Society, etc. of the Bath and West of England Society, etc.
You will therefore please take the followiny as hay. ing the sanction of Mr.G. Garne,'s authority:
There is some grey in all the old Cotsyo: There is some grey in all the old Cotswold flocks but it is difficult to define by letter to what exten grey should be allowed. A five minutes' object
lesson would be much more satisfactory. Ther are sheep which some peopele callis grev, but whire
are really black, and these should decidedly be objected to; sheep, for instance, which have speckled
or mottled faces and legs -that is, their faces and perhaps their legs are marked with patches of back hair or a greater or less size, say from half,
score of black hairs to patches to the size of a shil ling, and also with black hairs in the hollows sabove
the eyebrows, or on the top of the heads. The the eyebrows, or on the top of the heads. The
grey which is ot considered objectionable is when
pale grey hairs are intermixed with the when albove the nostrils and up the front of the whate
fata after all white faces But after all white faces greatly predominate in the
Cotswold breed, and it would be safer greys altogether than almit such " "reys" or rather
"blacks" as are sometimes called Cotswold sheep
"bot in England.
It fear that this somewhat vague communi-
cation wiil not help you much, but rou will see that the nature of thelp you much, but you will see that
definite rule in thids the laying down of a

## Chatty Letter from the States

There is considerable speculation priege, 1893. future prices for hogs, some some dealers talking that Chey win have to go to $\$ 6$, while others are positive
they will sell above $\$ 8$, fore the end of next summer. Best porkers sold to-
day at $\$ 7.7 \overline{0}$, or $\$ 1$ hipher that
 Among the recent visitors at the (hicaro. Stock
Yards was F. D. Fearman, son of F. W. Fearuan, Yardswas
the Hamilton, Ont., pork pack or. He reports that
the C. Ferman, the Canadian, hog crop is only alount tol perortent.of
what it was last year. He said the packers ore latelv foreced to quit on account of high prices, and
that latterly prices have gone down. The order of the British Government preventing Canadian
packers from slaughtering packers from slaughtering American hugs in bond
was working a hardship to the Dominion packers
Ws Canadian hat year-round supply. It sers do not produce an thatt Canded and thewill be required to slaughter American hosse in
special houses, and Messrs. Wm. Davies © Coors and special houses, and Messss. Wm. Wavies, \& © ©o., and
possibly other
that puirpose. packers, contemplate building for
 *After we et the run of hogs which follows the
catte, which will be next month, i showld wist











Receipts of cattle throughout the west this week
were comparativel Kansas City, Omaha and St. Louis, and the tend
ency of

 strength. Native cows and other grades of
butcher's sock also rule higher. Steers sold
larely
 month or two is generally considered good; in fact most of the trade confidently expect higher prices.
Some choice beeves sold this week at $\$ 6$. Monday, April $2 \mathrm{thth}, 1892$, just y year ago, Chicago
received the largest day, recerved 32,677 , and prices that day declined 20 c to
rest Sc., top beeves selling at $\$ 1.60$ or $\$ 1.40$ below pre-
sent prices. This year seems to be different, as far as receipts are concerned. Receipts for next Mon-
day, (April 24 ) are estimated at 17,000 , or half as Chicago thus far this. mon th received 163,20
catte, 272,300 hogs, and 172,700 sheep, showing a decrease of 6,200 cattle and 130,000 hogs, and dan in-
crease of 41, ,o00 sheep, compared with the corres-
 820,600 sheep, showing a decrease of 63,0000 cattle,
and $1,017,000$ hogs, and an incrense of 177,000 shee. compared with the same perioase of 1892 , and an in,
crease of 43,000
cattle crease of 1,33 cont hoast compared with the cor-
cesponding period of 1891 .

## FARM

Roots and the Place they Should Occupy on the Farm.
Roots are a cheap and wholesome food for all well if fed a few. Sheep, pigs, cattle and horses do tone up the system, and keep the animal in good
health. Many farmers overlon this health. Many farmers overlook this fact, because
they do not know their value. I have fed roots hey do not know their value. T have fed roots they have always given the best satisf years, and horses a few carrots twice a day, and see how sleek and clean they will become. Give a milk cow half the flow of milk. Give ewes about lambing time and until grass comes, carrots regularly, and you will
see a change in loth see a change in both lambs and ewes. I would advise
stock breeders who to do so, and I will venture to say that they will be pleased with theexperiment. Ibelieve that roots are
the cheapest feed. Silos are with, and it takees a large are a piece of ground inse to bogin
fill fill a medium-sized silo ; and if of the seanson be wet or
cold there will not to the winter, while su sufficient corn to feed through
roots will with the samer piece of land in roots will with the same care and attention yield a
larger crop. larer chop. Thelieve that stock fed on roots are
leter prepared to turn out on pasture in the sprine I have fatepened to cartle out on pasture in the spring.
three year-old steers feel year, and have had small amount of sraied on turnips, carrots, and a previous to shipping, weigh 1ti5) lls. Roots leak the ground in a good condition for the following
crop, and the necessary cultivation will kill all
olu, crop, and the hecessary cultivation will kill all
ontuoxious weeds, while the wrowth of the plant is so rapid that the ground is soon covered
and the and the weeds and thistles are smothered.
|Those who have had experin are invise who have had experience with ensilage
columns.--ED.]

## Wheat and Oats Together

In many parts of the states oats and wheat are yield is heavier than if only one kind of that the sown, that the wheat straw helps to prevent the aats lodging, and that the mixed grain makes a apitan feed ration.
the Breeder's Ge following from an Iowa writer in together is a practice more of the farmers wheald follow. It gives excellent results. farmers should tion to sow is one-half bushel of wheat to two hushels of oats. This, with proper attention, will give exceltent results. The objects in sowing wheat
with onts sure many. First, the wheat straw being stronger, then oaty, strawst, the wheat straw being
greatly lessens the tende Treses the yield by tincrencysing to the ge. It also inne using a bushel weighing sixty pounds to make found by experience it mankes. No. Agained foe have
Wheat and orats sowed in the proported for stock
 hid continue growth one requires to maintain life this method of sowing is followed docaty many, end and all
will join me in saying that by this wy




THE FARMER'S ADVOCATE
uutil May 20th: however, the prospects of success
are not as good as when sown earlier. Turnips are sown usualy from whun sown earlier. To Turnips art 5 the the object
being to escapel the turnip fly, or more property
beetl beetle. The tand for either of these crops, when
prepared, should be ridged in drils prepared, should be ridged in drills from ${ }^{22}$ to 30
inches apart, dependigs somewhat on the freedom
of the soil from weeens, a wider space between the of the soil from weeds, someder stat on the freedom
rows making weed destuction easier. To toen trill the
land use a double-movdtond and use a double-mouldioard plow; if you have
none, the single plow will answer the purpose, onl makes more work in marking out lands. Sow the
seed with a drill, using in the case of mansels from
 1 to 3 lis. per per ace. On clean siol, with good seed,
the lesser quantities are sufficient, but if the conthe lesser quantities are sufficient, ,but if the seon-
ditions are otherwise larger quantities should be used. Tlo much seed makes more work in thinning
too little causes skips, and the plants do not start as readily and thrifts, as where more seed is used Cultivate with a good scuffler as soon as plants can
be seen in the row, and as closely as possible. As soon as plants are easily seen, insely the as posse of mangels. hoo and thint to about $B$ sern, in the ches ape of mane mels,
thoroughly clean by use of hand heo and thoroughly clean by use of hand hoo eand cultivator
With carrots trim the sides off with the he le a row of plants in the centre of row; and when these get ahoot the size of a pen stock, ait her thind
with a carrot hoe to 4 inches apart or thin nd knees, straddling row, using old bags tied hands knees. If Ind it easier to keep the carrot standing
when about size indicated than when thinned when about size indicated than when thinned
smaller. After the turnips have come through, in smaller. After the turnips have come through, in plaster and salt, scattered, over the plants; this is
about the best cure I have tried or seen tried. I about the best cure I have tried or seen tried. II
expect, however, that in the near future we shall xpect, however, that in the near fung plants with
find ot proftable ot spray the young
Paris green. After the plants have attained the Paris green. After the plants have attianed the
rough leaf they should be closely cultivated and
hand-hoed to ronm 10 hand-hoed to from 10 to 15 inches in the row, and
kept clean by use of hand hoe and cultivator: kept clean oy use of hand hoe and cutivatur;
nsuall only two hand-hoeing are required in ase
of turnips. The more the cultivator is used judicof turnips. The more the cultivator is ased judic-
ionsly the better for either of the above crops.
have not have not mentioned commericial fertilizers in connection with root crops, having very little practical
experience with them, hut am satisfied that it will pay better to use such on root crops than on any
other crop which the farmer grows. Salt, especilly on mangels, applied at the rate of two ospecially
hundred pounds per acre, hives good resuts three
 Yel, Shor
Turnips.

GARDEN AND ORCHARD.
Essentials to Successful Grape Culture. by johi craig, horticulturist, experimextal I will refer to a few essent ials towards successful
cultivation in the Province of Quebec and Ontario :-

1. Select a warm, loamy, well-drained soil, with a southern exposure.
15 to 18 inches deep 3. Train on the two-armp or fan system, prefer near the former, in each case starting the branches
nround, for the pmopose of easy winter protection.
2. Make provision for holding the snow on the
ground as well sas corering in the soil, till the vines
have become well estallis with Jubicious fall and summer pruning, together acid, which can be prohably most cheaply obtained
in the fer in the form of woold ashes. largely aid in obtaining
satisfactory returus. A careful selection of varic sithisfactory returns. A careful selection of varic-
ties is of prime importance in this sistrict of limited summer heat. 1 our trial vineyard at Ottawal
there fruited last vear more than 1 Pin varieties. For home use, I would recommend to the attention of sorts in order of ripening: Florence. Cotage,
Morse's Early, and Herbert or Worden. Red Noyer, Dela ware. Lindley, Norwood, and Salem o Agawani, White Jessica Hayes, Lady. El Dorado, of Agawam, salem and Kensington, are sure to
ripen, and are while they may not yield with
Cloump good quality:
In regard to the methods of training, the system srape. The two-irns system and the fan system


 considerath, and in tionng on are tanpent grow yer is fruit will ripen, I may add that in the Reperi-
momtal
 ordinary trellis, plan. The solesystent 1 thind dowe
on the trellises they get more sunshine and he
which tends to bring about an earlier maturity. A few varieties deserve s eecial mention. ${ }^{\text {One }}$
of these is the Dt Dorano. Think that is the finest Alavored drape that can be grown in this vicinity notice that in the Ontario fruit list it is not rated it , beecause last yaar, and thish year it wat wanderstand not only
my own opinion, but the verdict of every body who my own opinion, but the verdict of every body who
visited the vinemard at the Experimental Farm,
that the fruit was the finest variety in vineyard, and $I$ wish to recommend it, unqualifiedly,
for home us. vine yarra, and
for home use

## Experience with Pear Culture.

A paper read before the last Meeting of the Fruit Growe I think that of all the fruits we grow in this ever determined to grow its own way. Some one has written, "bend the twig and bend the tree." That man had little experience in growing pear rrees, unless it might be Winter Nelles and a few of that class. They would suit the farmer who planted his potatoes in the moon and wanted to get up there
o hoe them. I would add a note of caution to person who takes to pear growing for what to the there is in it, unless he has a love for the pursuit for its own sake. When planting my orchard I did not heed the warning against too many varieties, a rock Location which a -While number have grated.
Location. - While it is well to select a suitable loca tion when a choice is possible, still in most cases we
have no choice and if the sol ti portant quality, we must stupply it as far as we in Such as drainage, shelter, or even qualities lacking in the soil, may be to a great extent made up. Our
land is a asandy loam, with limestone, gravel and land is a sandy loam, with limestone, gravel and
clay subsoil, naturally drained, with southern ex posure
Vhette
Sheiter:-I plant both evergreens and deciduous
trees. Our native Hemlock is a favorite although of slower growth than many others. Ou or chard is sheltered on threé sides-north, east and
west
 Preparation of Soil. When time permitted planted the trees and prepared the land afterwards
which which answered quite as well, often saving a year'
growth in the trees. Growthice of Trees.
sized thi
sized, thrifty young - trees, the possible I Ise'ect good
prefer those grown soll ripened. prefer those grown south of where they are in
tended to grow; they are not so likely to be blacktended to grow ; they are not so likely to be black
hearted. I get them either in spring or fall, with
 planted in the fall. I can then plant in the spring
lust as soon as frost is out, which is much than we can get them from, the enr iss ry.
Varieties. The choice of varieties much upon what disposition the grower is going to say very little about this consideration, especially
as there is such a good list of pears given in last year's annual report of of of pears given in last although I have in cultivation about fifty named
varieties. I would not like to discard any with two exceptions-that is the Bell and Kieffer. To illus-
trate when. Itried tesell a dew of the tast-named rate when. tried tosell a a wo fot the tast-named
variety tonir. Foster, a well-k nown fruit tealerof this city, he said. "No. for I tell you when they come to
be any good they are good for nothing, "and that more than can le said of Kieffer. for it never does come to be any good at all. I have tried it both
here and in the state of Delaware, where it ought

nd keep them covered from sum and air a time, horse blanket, and dig the hole larger than will re-
ceive the roots and evadefuls of surface soil in the bottom throw two pitle crowning in the centre: on this let the radiate with a downward tendency (after having
cut off all broken ends with a sharp knife), and only Hittle depper than it stood in the nursery. Most
rees are plant ${ }^{\text {d }}$ too deep. Put in a little fine and firm well among the roots: then fill leveland pack
 Trees are usually sufficiently pruned before leaving the mursery to suit mee
Cultirution. 11 make
 them1 with a cultivator: if not, I keeper arainius of of at
least three feet from the truuk of the tree hoed ont $i l$

 hrand cats, the trees will find it. Well-rutted larne
yard namure, would ashes, broken or crushed lone and if the land is sandy or qravelly, a mixture of
swampin muck is sound for leaf and woond growth.
 hong his there is roonk (orn in a faverite on at serning on the matter of pruning find my

scrubby. Why just look at those once beautiful shade treses in the parks and streets of this city
the scars of last winter's proning will not be healed over in the next ten years. Ifind the best time to prune is when fruit is setting, or a little later, both
for growth and fruitfulness, as well as quick heal ing. gowth and fruitfulness, at a well as quick heal-
int this climate in winter or early ing. To prune in this climate in winter or earl
spring, whether hard frozen, little frozen, or not
frozen
 for three years in succession, causing sap rot and
attracting borers attracting borers; and that, too, after the application
of a coat of paint. Winter pruning
 there, it is better done in the growing season.
like the pyramidal form of the pear tree with inke the pyramidal form of the pear tree with
branches coming close to the ground ; head in, to
keep them from keep them from growing too rapidly sik waard, and
only remove the lower branches graduall only remove the lower branches gradually. I am
fully aware it requires more hand labor to under them, but you cannot get pears to do work
with a tall, bare trunk, like some of the long-legged with a tall, bare trank, ike some of the long-l-egged
apple trees sou see standing all about with a tuft
of branches resembling a broom on the end of a pole. Mine were so treated during my absence, and to this, more than to anything else, , attribute,
the loss of so many of the most thrifty he loss of so many of the most thrifty trees.
Better prune none at all than too much or out of season. I was mueh interested last summer to
watch the fight for life with son watch the fight for life with some trees that had
been so mutilated; a part of the branches been so mutlater; a part of the branches grew
straight up and part dowwwards, forming a sort of cloak to shield the body from the burning sunn. They spoke to me in an unmistakable language, as
though they felt the pain, and said " motgh be stripped in that way aazain." "Those that had not vigor enough to thus hsield themsenvese gave
up the contest, and I have grubbed out already ap the contest, and I have grubbed out already
over one hundred. operation. The pear, like the op lum, is ist too oover-
hear, and both for the life of the tree and the quality ear, and both for the life of the tree a
of the fruit should be carefully thinned

## Experience in Fruit Growing.

I have been growing small fruits on a small scale for three or four years, and perhaps my experiful, more especially as I have tried a number arieties of strawberries for the wipose ff out what kinds suit my soil best. My experience with some of them has heen rather different from hat of other writers.
My soil is a dry sand, and the almost constant ruit, exce summer had not much bad effect on the iruit, except that it made it much softer than usual. composed of about 500 plants each of But, Cros, Jack, Crescent, Wilson and Bubach. My , Capri ence with these was rather different from that of Mr. Hilborn, as given in the Advocate, since the four old varieties were superior in every respect to
the Bubach. The latter has several very bad points. It was so sott that a a large proportion of
the fruit was decayed hefore it was ripe pick. The fruit stem is short and too weak to hold sweet and rich, last year the flavor seemed to be completely washed out of it, and we all pro-
nounced it the poorest bery The Burt did the best, of the lot, it is of yood
size and color very firm, rather acid, like the Wil son, and outyielded event the Crescent - in tact, had
all my all my plants been Burt, the yield would hate been
doubled. The Capt. Jack wais the best in quality, and it ,earss well. $i$ ann told, however, that in some is generally said to be iverage in size , The Crescent of an average soil, but put iton in rich clay loan loam, as one of my neighbors has done, and it will a a eragze well
with the Ontario. and outyield any of the large Benides the above kinds I have small quantities of several other varieties, which turned out an fol Then a Jessie in in go good a few large berries and
and
(Uumberland is good while it lasts, but it gives out too soon. Pineapple and
Eureki are late in the sense the when the others, were half done, but Burt gave a yoonl picking atter they stopped. Gipsy was a
failure; what few berriiss were on the vines were
ilwall and werw bed

 Shyster. or Shuster's Gem, for I believe both names
heflony to the same plant. It hellong to the same plant. It is large, good color
 ties. Manchester and cloud failed to stand the Hanch hester ruisted badly. As far at can be jullyed by my experience of last nue order I give them. for planting on sand :-
Surt. Crescent. Wilson, Capt. Jack and Shyster Huother year might alter this. list conside shabster it

Horticultural Notes.
BY w. W. hllborn, Leamusatox.
flant a grape vine, if you have not already
done so.
Concord, Worden and Wilder are among the
best black varieties. Lindley, Brighton and Delaware are perhaps the best red sorts.
Niagara, Moore's Diamond and Green Mountain
are very fine white kinds. are very fine white kinds.
Fight the weeds
Fight the weeds now-do not let them get the start of
In selecting soil for raspberries take, if possible,
clay loam for all black or sandy loam for the red or suckering kinds.
When plowing your orchard, do not pl than two or three inches deep near the trees. Many an orchard has been either killed or so badly in
jured by deep plowing that it is almost worthless. Marlboro is a good, large, early red raspberry fo a rich, clay loam, but does poorly on light or sandy
soil. A good, early, productive, hardy raspberry that will succeed on all soils has not yet
been found. been found.
Parker Earle is one of the best strawberries to
plant, if you want one that will make a large plan plant, if you want one that will make a large plant
and few runners; it will give a large crop of large fruit of good quality; well adapted to garden culture, blossoms perfect. Woolverton and Saunders are both strong growers, and produce large berries and many of them. They are Canadian seedlings of merit. Try them.
The time is fast approaching when war will begin with insect enemies, many of which are easily ber beetle is, perhaps, one time. The striped cucumcan, however be easily driven ast troublesome; using land plaster and coal oil. Put just by simply the oil on the plaster to moisten it a little when thoroughly mixed, but not enough to prevent it from spreading freely when sown by hand on the plants. A handful to each hill of melons, squash, pumpkin and cucumbers will in a few minutes drive bugs; this may require to be repeated in a week or ten days. I have always found one or two applicaonion sufficient to save the crop perfectly. The in check in the same way by starting early, or before they have got into the roots of them.
windbrek should be more largely planted for more every year, and the wind has a greater chance at the buildings, fences and fruit trees. The grain crops also suffer at times from the high winds ing of evergreen trees. Norway Spruce, White or
Silver Spruce, Scotch, Anstrian, White and Norway
Pine are, perhaps, the best trees for Many farmers are deterred from planting purpose count of the high price that has to be paid for ever-
greens large enough to plant out for windlreaks green ange of the high price asked, some have at
On account
tempted to ever, will nearly always result in failure. The seed rrows readily, but the difficuity is in caring for
the young seedlings after they come up; they must
he shaded, or the hot sun will kill them. If they too much water they damp off, and if they do no cient quantities to keep a man looking after their wants continually. The better and cheapest way to
get the trees is to send to Robert Douglas \& Son, Waukegan, III., U. S., and buy small seedlings, six
o ten inches high; these can be had for about to ten dollars per thousand. Plant out in nur-
sery row, give good care, and transplant every two sery row, give good care, and transplant every two
years until they are large enough to be placed
ivhere they are trees you can keep them in nursery row until they
are quite large trees, say four or five feet high if rouble of working around the trees a saving the longer in the fields. There is no risk in transplant
ing trees thus grown. In fact I would advise every ing trees thus grown. In fact I would advise every
nine who buys evergreen trees from any nursery on agent to plant in nursery row one or two rears
then if there are any failures it will be in the nursery row instead of the field. Scotch Pine makes a very
tine windbreak, es it carries its size up well toward
the top and grows rapidly. recquired in transplanting pine than spruce, and if
the pine has not bern frequently transplanted, as ciently to ever make a strong, vigorous tree. Gureat
care should be taken that care thould be taken that the roots of all eevergreens
are kept well protected while out of the ground
Ton minutes' exposure of the roots to a dreing ath mot hun is sufficient to destroy the difing of and Whyreen. Perhaps more trees die annuallv from
hiaving their roots exposed too long while out of the
armund than from all Whond than from all other calses combine out of the
I good shelter belt of evergreens around the
wingard will make it several degrees warmer in

DAIRY.
Some Notes, on the Babcock Test. As the Babock Thest is becoming very generally points relating to its management Canada, a few value to those who are at present using it, or who
intend to do It must certainly ne near future
are interested in the progress of dairying in who tario, to see the great changess of dairying in On
taken place since this test was introt that has taken place since this test was introduced. In only two or three cheese factories last season was
milk paid for according to its quality, but this sea son at least fifty factories will be operated under this plan. Several of the students who attended
the dairy school in February and Mored their intention of conducting the business in this way in the future. When the milk is paid for accorcing to the amount of fat contained, patrons of
factories will have their eyes opened to that have hitherto escaped their notice. They will
find it to their advanter fand find it to their adrantage to weed out the poor quantity of fat in the year at the se the largest also to air and stir the milk well before taking co the actory, so that a representative sample can be taken. In order to fully understand this test it will be
necessary to refer briefly to all the points in
connection connection with it."

1. The Machine.
on the market have swinging modern machines on the market have swinging pockets. These are pockets were fixed stationary, as it is much easier to add the hot water, and the fat stands straighter
in the neck of the bottles. The number of revolutions per minute depends, of course, on the size of
the machine. With one having a revolvin the machine. With one having a revolving table
less than 12 inches in diameter, it is well to whirl results. If this least 6,000 times to obtain the be minute, the work can be accomplished in 6 minutes,
by whirling for 4 minutes the first time, and for 2 by whirling for 4 minutes the first time, and for 2
minutes after adding the hot water. In large machines, such as those holding twenty be greater, and
tions will suffice.
The steam tester recently introduced is one of the best machines for use in factories that have yet
been put on the market. The power is obtained by means of a steam jet, which causes the table to and the fat liquid. An eighteen-bottle steam tester gives very satisfactory results. In a machine of thi kind, the handle should be left on, or there should be some speed indicator, so that the number of Of the machines worked by hand, thos cog wheels are the best, as those geared to run by friction are either very heavy to turn or are apt to
slip. Belt power is not as good as steam, becaus of the danger of slipping and the lack of heat. time costs about $\$ 9.00$, with one gallon acid and all the necessary appliances. For factory use, one large one saves time and labor. Canadian manu-
facturers now make this tester fully as good as cacturers now make this tester fully as good as
those made in the United States, and as a rule they sell them cheaper.
Test Bottles.
eliable firm, for if whe carelessly the graduated will not be accurate. The bottles sold by the leading canadian firms, so far as I have tested them, are acing bottles, the buyer shouldal waysheces. In purchasonly such as have been tested before sending out.
The graduated necks of these test bottles should weighs 1.8 . of fat, which, at a temperature of 150 17.5c. c. (capacity), or 18 grams (weight). So if the
graduated part of the neck is full of fat, its we graduated part of the neck is full of fat, its weight
is just $1-10$ of the weight of milk taken, or 10 lls.
fins fat to the 100 lb . milk.
The Measures.
owing to the milk sticking to the inside, it only d livers 17.44 c. c. or 18 grams by weight, of milk.
When using acid of the right strength, 17.5 c . taken. $A$ cirl.-Commercial sulphuric acid or oil of vitrio is used with the test. It should be about 90 pure.
The most important facts relating to this acid are
as follows. as follows:-18.2 lbs. to the gallon " cost thy the carboy) 3 cts. per pound (plus the freight): cost per
gallon, int ct... Number test to one gallon 279. Taking ahove figures, it will be found that the
acid for one test cost about 1-5 of a cent. In smaller quantities it is more expensive
The acid should be kept fromexpos as it absorbs moisture very rapidly and loses
strength. It is never wise to dilute it with water A bottle of ammonia should alwaysbe kept at
hand, for if applied immediately it prevents the
acid, if dropped on the clothes, from eating the acid. if dropped on the clothes, from eating the cloth
If any is spit on the fingers, water applied at
once will prevent injury. If by chance any ince the mouth, ming. crean or any oily ligquid is
the thes thing to nse. filled with arding thest. All the bottles should bed
mediately. It is never wise to allow them to
stand long after shaking before whirling, as the mixture should be over gow when whirled.
When the acid is shaken up with the milk it has When the acid is shaken up with the milk it has sugar. 2. Dissolves the curd. 3. Sets the fat free
If it be too strong, black curdy matter with the fat and, spoil the reading, or the fat itself
may be blackened. If this happens, less acid should may be blackened. If this happens, less acid should
be used the next time. If there is much buct curdy matter mixed with the fat, the bottles should oe set in a cold place until the fat has hardened,
then set in hot water; by this means tively clear reading can be obtained. If it be too weak, white curdy matter will be mixed with the
fat. In this case use more acid the second time fat. In this case use more acid the second time. 150 to 170 . It is always advisable when a large
number number of tests are made to stand the bottles in
water at above temperature water at above temperature before reading. Have
the water high enough in the necks to cover and keep it liquid. To aid in reading cover the fa fine pair of compasses or calipers are very useful.
They should always be changed, however, to suit the graduations in each bottle.
will not be clear. It will generally be found
sufficiet sumall brush in twice with hot water, using occasional wathing with strong soda time. An
one keep the glass clear. A large wooden pail, with a
loose perforated cover, is a very convenient affair to empty bottles into.
The "Composite. Test."-It is not desirable in ny case to test each patron's milk every day. By
using the composite test, this can be avoided, and still the result will be just as reliable. This test can 1. By taking morning and testing at end of 6 days. The most pipette and the ordinary Babcock test bottles patron. Every morning a sample should for each patron. Every morning a sample should be taken
from each patron's milk, (after it has been well
mixed,) with this mixed, ) with this small pipette, and transferred to whe test bottles in the rack. At the end of the week there will be a full measure of milk in each
bottle and the test can be made in the usual way but a little less acid should be used, or the fat way
be blackeged, owing to the evaporation from the samples. No preservative is needed to keep the milk sweet in this case, nor is it necessary to keep the test bottles corked. The main objection accurate sample at the weigh can, especiall to take an a small pipette. Unless managed by an experienced
hand, it would not ever, we found at the reliable. In accuracy, however, we found, at the Dairy School, that it was just
as reliable as the other methods mentioned below 2. By taking for required amount of milk every
morningand testing every threedays, ort wice a week. (1), except that a substantially the same way as in out the milk. It is also open to the same objection. 3. By using sealer jars or wide-necked bottles,
one for each patron, and putting a certain measure of milk in each morning, a sample is then taken
from each jar a the end of one or two weeks, and the test made in the usual way. This is the most
convenient and practical method of any of the
three. It three. It also gives just the same resultts as if daily
tests. Were made. Pint sealer jars will he foul quite large enough to hold the samples, if a small tin cup, holding one ounce ( 2 inches high small inches in diameter), with a long handle, makes a convenient measure. It would be better, perhaps, tionate to theasure of milk each morning propor but it is a difficult matter to manage each patron;
not found necessary and it is Bichromate of potash, as recommen Shutt, is an excellent preservative to keep by Prof posite samples from souring. If from ten to twenty day morning, and if the jars be shaken jar on Mon time fresh milk is added, the milk will be quite thin at the end of the week, and on being shaken
a sample can be taken from each jar and tested as a sample can be taken from each jar and tested as
usual. The milk is allowed to thicken in cases, and then concentrated potash lye is added at the rate of ahout half a teaspoonful to each jar, in
small quantities at a time, until the mixture has
the consistency He consistency of cream: it can then be readily
drawn int the pipette. The bichromate of potash
is preferable to this, however That is preferable to this, however. The jars should
always be kept tighty covered, tion of water from the milk. The samples each
norning can either be taken by having a small hole in the conductor pipe and atching the thin stream ast he milk runs into the vat. in a small tester and mathe dairy farmer to invest cows, using the scales at the same time to ascertain
the quantity of mik given by each cow. By this means he can get an idea of the producing power of
the diff rent ocos he kef. ps. Hecanthengradually
weed the poor ones out of the herd, and knowing weed the poor ones out of the herd, and knowing
the best cows hecan kee, onlr the ralves from them,
nsing, of course a thouroublyol using, of course, a thoroughined sire of a miking
strain. It is thus hy a careful system of selecting
 animals, and the sooner the owners of dairy cat the
realize this the better for the or won pock hets. As
the years go by we may expect to see a wery great

## Importance of Good, Pure Milk for Cheese

 Factories and Creameries.by prof. h. h. dean, o. A. c., guelphi.
New competitors from Australia, New Zealand New competitors from Australia, New Zealand has recently been sent from Great Britain, wil goods at a profit. Australian grass-fed butter dairy into direct competition with Canadian fodder butter and as a result large quantities of creamery make have been returned from British ports and sold in Halifax and Montreal. A large exporter told me yesterday that about 4000 packages of Canadian he said, if sold in the foreign market would no have netted more than 16 or 17 cents per pound while it brought from 19 to 21 cents in the Canadian market. What does this teach? Two things, at least First, that we have been seeking a market a long way off, while we have a better one at home, and years yet to come. Canadian creamery, for some bears yet to come. Canadian people want good has brought from 25 to 30 cents per pound moster the winter in our larger towns andacities. Second lesson-All export butter should be of the finest quality; none other should be sent across the water. At the present time where do we need to direct
the improvement forces, that fine cheese and fine butter may be made in Ontario, both for the home and export trade? I say, without hesitation, towards the place where the milk is produced, and at
the persons who are responsible for the milk sent to be manufactured. Our eheese and butter makers, as a class, are well up int their professions. A rule they are live, energetic men and women, and
were every other class who have to do with the were every other class who have to do with the
dairy industry as well posted and practised, there would be a marked improvement before long. Do
not understand me to consider them perfect (for not understand me to consider them perfect (for being brought into use, are quite sufficient to educate this class. Why not educate the producer
and have the procession all move together?
WHAT THEN NEEDS TO BE DONE?

1. The dairymen of this country need to be im-
pressed with the fact that a cow which produces less than 6,000 pounds of a milk or 2500 pounds of
butter in a year is not worth butter in a year is not worth wasting food and 2. Every feeder
foods are cheape Foods are cheapest and best for milk production with as great a variety as possible. Too gras pasture fields lack ariety ariet, and consequently w do not get those fine flavors produced on natural pastures. In addition to this the following migh
be fed :-Bran, cottonseed meal (not over -two pounds a day to a cows), green peas and oats, tare
and oats, and clovers, and in and oats, and clovers, and in early autumn green
corn. Winter feed should be cheap and succulent.
During the past winter we have During the past winter we have fed ground wheat.
with good results. Bran, the oil meals, peas and beets and carrots may be profitably fed It suil noticed that turnips and rape are feft. It will be the
list. While not willing to condemn these last two list. While not willing to condemn these last two
without further trial, I am almost ready to say
that turnips must not be fed if we wish to produc that turnips must not be fed if we wish to to produce
fine butter. Various schenes for avoiding turni
faror hive been flavor have been suggested, but my impression it milk or cream is treated, an, expert judge will be
able to detect it. I hope to be able to retract this
hire jud harsh judgment, but speaking from this winter'
















2. Food for the cows that has no bad flavor.
3. Water that is pure enough for your hired
to drink.
to drink.
4. Straining and aerating the milk as soon as
drawn from the cows. A simple pouring or dippin drawn from the cows. A simple pouring or dipping
of the milk will effectually aerate it if continued
long enough long enough. If a patent aerator is used, be sure
that it is kept absolntely clean. Look around the
cracks and odd crevices to see that nothing lurks cracks and odd crevices to see that nothing lurks
there. Morning's milk needs aerating as well as there. Norening's.
5. Keeping the milk where there are no bat smells. 5. Leaving the milk at the temperature of the
atmosphere, except in very hot weather; then it may be cooled slightly.
6. Emptying and washing the can as soon as it
returns home. Drivers should put a pail of cold
water in each can before leaving the fator water in eache. Drivers before leaving the factory. This
is better than whey is better than whey.
7. Of rinsing pails,
with cohd or lukewarm water; second, wash with hot water, and finally scald, allowing the utensils to
dry themselves in ary themselves in a pure atmosphere, Never wipe
a can or pail. It gives a dish-cloth flavor If patrons. of factories would observe rules during the year 1893 , there would be better
oheese and butter Theese and butter made this ye
year since the industry started.

## POULTRY

## Poultry on the Farm

March and April chicks lay early the following winter, when eggs command holiday high prices. through spring and summer. May is a good hatching live, is still armers. Grass, upon which chicks half settled, and such birds, if well tendenerally quite know by experience oftentimes lay in December Raise your own fowls, unless you can buy of an experienced person. Last year I purchased some At the same time and price pullets of an amaterur. woman, I obtained other less plump or showy birds. first lot were corn-fed, hence soft, easily run down They were used to roosting in trees, where summer's thunder showers had dropped seeds of chills and bowel complaint, which I must constantly meet and destroy by care in feeding. The second lot, on merrily as laid early, and have continued right A greenhorn is defined by working, business hens. But greenhorns are really of any age under a hun dred, and found in every pursuit, poultry culture included; therefore, beware of them. If experimenting must be, you can do it for yourself cheaper. I always have a.few extra or substitute cluckers, "tricks that are dark "Heathen Chinee," with I can, by my system of movable nest boxes, transver, my liddies plant." Generally speaking, how Even when a separate sitting-room was used I superintended the daily exercise of its inmates, because occupy another's mest Now and would fight for or set in the hen-house itself, I must, when they come off, and until the very moment of their return
keep their nests closed from the investigation my numerous White Leghorns-mischievous like
all non-setting birds and idle persons. Excited by
a nest full of nest full of eggs, the whereabouts of which they jiffy, kick eggs around, probably break one, scratch reach, singing, " I knew it, they're my own eqg."."
Some stetters instead of stepping into their nests fly upon them, and may thus crush an egg. These sug eggs. If a clucker is hens learn to break and eat to exercise twice
day I encourage her, because she thus keeps in be ther onder, and it really because shake thase keeps in in or no differ
ence with her eggs. as her itays ite when she cones oof as her stays ante shorter than
when set they will be hatching the twere fresh
wieth day When set they will be hatching the twentieth day
Our fingers do ache to feel nuder biddy and find
how many chicks she has, but all experience poulterers agree in a . vigorous all expering lence
liddy has her own way of working chick alone.
Bidy contre and likewise shells to the edges. If these
arcunulated shells are in sight or nearly so, I re-
mowe them. The hern may be offered a little food
hy hand wir dive, hand or dish, hen doy not provide a chicks any
thing for at least weut
 structed herovidence, and insured against want
of food till strong e"nough for foraging. Newly
hatched chicks com diges nothing additional.


weather was still cold and rainy, but off they must
come then ; actions said as loud as words could. Their coops were put in a warm stable. Fine, dry June grass for bedding was taken in a basket to the house and warmed by the fire. The little flat-
bottomed, hay-lined basket in which these chicks
would be moved was also would be moved was also warmed, and a woolen
cloth to lay over them while on their way woll cloth to lay over them while on their way. Being
hurried, I actually took off my own cape for their covering, which equals what a Scotchman, in an old song, "pledges his sweetheart:

My plaidio yond ther lea, eary, bast
Id shelter thee.,
And really one must love his animals as truly as his friends, if he would see and keep their best grasp the upper portion of each leg, and swing her, o a safe position under my left arm, which pinions both wings, so I can then hold her by my left hand
alone. She is placed in her destine alone. She is placed in her destined coop, the
basket of chicks gently turned on its side before her, so the little creatures can themselves answer
their anxious mother's invitation, and run under her protecting wings. her protecting wings.
Feed as early and late as possible; breakfast in the
middle of the forenoon and supper middle of aftermiddle of the forenoon and supper middle of after-
noon make such short days that chickie has hardly time to grow. Feed little and often, say tive times a day for a month. If the chicks leave some food, brutsh it away before soured and a cause of sickness,
One woman, talking with me, declared she neither One woman, talking with me, declared she neithe
could nor would feed her little chicks over three
times a day, which must do them. In imes a day, which must do them. In a short time
I learned forty of them got along without an learned forty of them got along without any
meals at all, since they were dead and buried. wastellinganother woman how difficult it was to get my poultry articlesdone, when hensandchicks them-
selves take so much of my time, and she innocently replied, "Why not throw out and she innocently them go while you are writing?" But I informed her I would soon have on that plan no chickens to write
about. The toughenigg about. The toughening process so often recom
mended for both children and animals kills oft al but the very hardiest. It is a modern "survival of
the fittest." I have the fittest." I have lately heard of a poulterer who cannot feed his little chicks bread and milk
but I think their diarrhoea may have come frem chills, or he has found some peculiar kind of milk. I often see boiled milk recommended, but no feeder has thought to state how long he boils it. Any one
who raises pigs or calves soon learns scalded milk is a sort of liquid leather or young cheese very constipating and dangerous. Milk simmeered twent conty and puddings, is wholesome for people, and such
dis. dishes are good for chicks. I give them sweet skim milk to drink, or reduce new milk with a little
warm water, and find either is safe without heating

## How Many Eggs to the Pound.

I see you invite criticisms on your publications,
and what I have to say is more of a correction than a criticism. Ida Tilson, in her article on poultry large egruary to make a pound, some kinds would fall least, as we always calculate eight ordinary to say the the pound, but. on reading the article, we tried our eggs. Seven of our ordinary Plymouth Rock eggs one pound eleven and a-half ounces. One is apt to
discredit people's statements after finding one error Cecil Swale.
To Prevent Hens Eating Eggs. Dear Editor,--I noticed in the Advocate several Inque found that boiling a little lime in feed for a
few weeks is a good plan. My plan to prevent hens few weeks is a good plan. My plan to prevent hens
eating their eggs is to save all the shells during the
summer and feed them to hens in here and feed them to hens in winter. Iknow there are some who will say that it teaches the hens
to eat the eggs, but I do not believe it. When my hens get all the shells they want to eat, they neve To stop hens from egg eating, get three or four on the floor for the hens to nick, the put the others give up in disggust. This is also sure. I I have had
occasion to use them more than once, and always occasion to use them more than once, and always
proved successful.
R. W. Caswel

The "Advocate" Is Appreciated. I think my subscription ran out a few months
ago; enclosed you will find another year's subscrip-
tion. I have been a subscibe about twenty yea subscriber to the ADVOcATE fo some dated 1872 , up to the present time. I am very hem yet, and compare times then and now. Whe stock; just a short time ago, and thoroughbred where Sattler Cohen and Mr. Craig, in Toronto heifer, twene "ent up into the thousands; on
ing up like thousand. eng up likes to look over the old papers and make
mink they would like such times to come again. I am pleased to see you are publish ing twice a month. Hoping you may still pubeph it
as an independent journal. in the interest of the
farmers and country at large.

Arsold Dess, Mount Albert P. o., Ont


THE FARMER'S ADVOCATE

FAMILY CIRCLE.

## There's Company Coming to Tea.







Comen, Disan, istorer the tee


 Vow woit vo anlu wakk ont te tea.


## THE STORY

## Aunt Girim.

Iam an author by profession, and forgetful. It is rathe
humiliating on occasions when asked about the title of my la book to be obliged to reply, "Really, madam, I have forgoten,"
but what can one do when ones memory is so imperfect, so treacherous?
It might be imagined that in consequence of this infirmity
a great many unpleasant things would naturally occur, and so
it it does mappen now and then. There is one instance, however in which my utter loss of memory served me admirably, and
enabled me to aid those I love, besides giving me a coll petence for life.
I had a distant relative whose character was a singula
compound of lofty virtues and minor fuil compound of lofty virtues and minor faults, and whom
esteemed very highly. Aunt Grim, we all called her, though she was not really an aunt, but she had known the family since mother was a child and by marriage was related to my father-
Our fannily had narrowed down to three Suc Dicker myself. I was the oldest and on me devolved the duties of protector, guide and bread-winner. Sue was the beauty of the
family and still went to scloool. Dickey took care of the house. superintended the cooking and did the fanily sewing, while 1
sat at my desk and worked with my pen from morning night. We seldom had visitors. Sometimes Aunt Grim came
in with a new poem-she wrote very creditable poems sing which were set to music and had become deserveedly, popular. I was her critic on many occasions and generally found but
little fault, for her taste and ear were unusually correct little fault, for her taste and ear were unusually correct.
Perrhaps I might as well say here that I was at the time engaged to a young man who was slowly making his way in
the world. Aunt (irim was no friend to Lawrence Harris. She and his mother had once been friends, but they quarrelled y year
beforc and her dist came, Lawrence had for years been the bone of contention
between us, till between us, till finally I begged hernever to mention his name.
"You needn t tell me that, Miss," she said, tartly. "I have always hated his name and it's a consolation that marry him for ome time yet. sue will be on tour hounds for
t wo years, at leat, and when she is finished it or more before she geta a celool, and liniskey is may be a year as her poor mamma was before her. Youre not going to work
the way you do forever, either ; vou'll sixc altoge her too murlh sour name youll give out. You write
see a falling off in your stories. money. When I think how it might bee, I looe my paticne
entirely. Who do you think hat bought that splendid new house on the square?"
" $O$, I know,", I said, trying to sprak carclowsly " "of it is Doctor Bellair. it hear of nothing elve now a days. It very thought fol of him, for so
for him ; she will never marry
"Clara Bellew. Win out of













yout "But tits all planned." said Dickey" "and sue is to go with




















































 Nain



THE QUIET HOUR. MINNIE MAY'S DEPARTMENT. $\begin{aligned} & \text { every where, and lots of "water" wo drink. Don't yo } \\ & \text { know the the }\end{aligned}$ Between the Lights.



 Oif voies call mot thouph the dusk returning
 Address to the Woodlark.


 Goratudy that woid dopidh her
 Thon tello inerererending cars











In the time of the French Revoluhad met together in of workingmen had met together in a club, talking
about politics and religion very noisily and angrily, a chasseur, Brucker, who ple well, and the good effect which peofew sharp, bold words often had upon them, mounted the tribune and made a bold confession of the Christian faith. mression of making any apparent imhowever, he was heaped with nockery, sarcasms and sneers, and at last retired to a corner, fully believing he had
wasted his breath. To add to his dis comfiture, another orator ascended the
tribune who tried his best to insult tribune who tried his best to insult
poor Brucker. "He has just been mooking a great parade of his faith," ;aid this man. "What is that to us: Are we not all Christians? Undoubt-
edly, but we have no need to imitate all their follies. For my part, I am a Christian, but not in practice." At these words Brucker rose and asked
the orator: "(iitizen, what is your the orator: " Citizen, what is your,
trade", "I am a shoemaker, citizen," was the reply. "But not in practice?",
rejoined Brucker. There was a burst of cries and bravos. There was a burst was complete, and irucker's success rator was obliged to descend from the tribune, and reserve his eloquence
for another occasion.
It is in the evening quiet, when the
children of our love and care are sleep-ing, their innocent dear little faces, With closed lids, appeal to the very
best a mother's heart has to give. Why lest a mother's hear has to give. Why ing and the stick, and the tin covers,
make the tears come as we sit alone make the tears come as we sit alone
and look at then? We have tine to
inf ferently when seen thus than it does in the midst of works and care and rush, and we wonder how long we will
be spared to be with them, how long they will be spared us, what and how their life journey will he success or
failure, happy or otherwise, and how rests on us. We are the better of For pit's ske sterw and dark despair,
Or my poor heart is broken." ne mair everywhere, but never a drop to drink."I Ithink at
the Leaperdstown races, which are . the Leaperdstown races, which are held in this neighborhood, there was rather a scarcity of the
water ingredient, to judge by the voices and singing
on the car on the cars as the holiday-makers returned in the evening. I saw a race once (at a good distance from
the crowd we had our trap), and I thought it the the crowd we had our trap), and I thought it the
very prettiest out-of-door amusement I had ever
seen. seen. very sad death took place in Dublin a few
days ago. A lawyer, well know and respected had an operation (Tracheotomy) performed som years ago and a silver tube inserted this tube,
owing to a bad cough, collapsed, and hedied at owing to a bad cough, collapsed, and he died at once
and alone. A petition has gone to London from Derry and
the Northwest of Ireland, signed by 20,000 women, praying for the continuance of the union between
Great Britain and Ireland. The document is 35 yards long. It was presented by the Marchiones of Londonderry in person to Her Majesty. Anent this document, I candidly say. I should not like to be to read it to Queen Victorita. Perhaps she
wades through these horrors herself as a rule, but Dear Canadian Sisters and Brothers : I am afraid this letter will not be interesting as
wished my others to be. There is literally nothwished my others to be. There is literally noth
ing absorbing us but the one thing. If you would
put yourselves in our place you would see the imput yourselves in our place you would see the im-
possibility of feeling much interest in any other, $\begin{aligned} & \text { wades through these horrort herself as a rule, but } \\ & \text { w doubt her ability to do } 350 \text { yards of one. }\end{aligned}$
 thinking thus. All the great thing ing in the shape of birds of song. A
layy friend in Arklow writes lady friend in Arklow writes me of
having seen the chiff-chaff, and heard having seen the chiff-chaff, and heard ago, and a "wheat ears" has appeared on the sands close to the house also.
What a cruel fashion it is wearing birds as ornaments. Even in my young and giddy days I did not like it. My daughter now is a member of a league got up
in England by a cousin of hers-an anti-wing-wearing one-its real name is surprisingly clever one to judge by Its have christened it this. Thank God, I see
holera having been in Canada was a alse one. The scare came here, and
there were huts put up on Kings stown pier for the reception of patients Wem the sea, and are there still, empty. me are a healthy people, our brains are, but we are wiry and able for much; but one thing I am not able for and word "Kosmos:" hand I or tail of the proud and independent to ask, because, you know, I ought to know, but I for a monster bazaar which is to be held in Dublin shortly, in aid of the children's hospital. A new wing is
wanted, and endowment for many more beds, hence " Kosmos." Tennis is coming again to the front. My young people are indignant at a new
rule which has passed here, viza, One day each week, no ladies to play one nobler-sex to have it all to themselves:
I think myself it is mean; they would I think myself it is mean; they would
not like to be shunted off their cricket field one play day each week, to give
way to "ladies only." I think we should have tea on the ground the day and only that day, and not give
one of them a cup of it, not one. Men love tea in I reland.
Lady Fitzgerald held a splendid reday, and afterwardstherewase yoster One young girl delighted everyone
with a violin solo, and Madame Melba sang. We had a people's concert i
the 1 einster Hall in the evening think the name people used in thi sense very silly. Are not weall people.
But I am a woman of very ver but views on this subject. The old law of gained by thought and study, and without thife are |just for a little while at least. When the second always satisfies me. There wat handsome does,"
if we could all say with useless. It would be well "I love to stealan hour away
Frome eery thinbering care.
And pend he hor.or cosing day
In grateful. earnest praycr."

## Live for Something.

 Thousand of men and women breathe, move no more. Why : None were hlessed by them $t$ ion : not a line they wrote, not a word they rempe could be recalled, and sote, not a word they spoke Went out in darkness, and they were not remem leved more than the insects of yesterday. Wilyon live thus and die: O man, live for something Wo good and leave behind you a monument of
virt ue that the storms of time can never destrov, We must never be disheartened or cast down for remernberk, eve work if we see things go wrong
If we ours, and sure
just for a little while at least. When the second
reading of the Home Rule is well over, which it will
be to-morrow be to-morrow, there will be a slight lull, and we out-
siders will get some chance of seeing what the
neighbors in neighbors in other places are doing. They all ap-
pear to me to spend their time going to meetinys just now; how their daily work goes on is best
known to themselves : I fear the wives and child suffer-but enough. I see to-day that the perpe suffer-but enough. see to-day that the perpe-
trators of that diabolical dynamite outrage last
('hristmas Eve, at the Exchange Coit Christmas Eve, at the Exchange Court (where poor
Inspector Cullen lost his life), are well-known and wspector Cullen lost his life), are well-known and
well-watched. I sincerely hope so, but I cannot see
why something why something is not done beyond this deep knowledge and scientific watching. I like matter-of-fact
"doing," sut, hen, to understand such things, perhaps neither I do: but I do know, that if I could put my mand Ido;
the perpetrator of a horrible crime and upon the perpetrator of a horrlble "rime, and so saddle
it upon the right shoulders, I should do it as surfy the right shoulders, I should do it as
either. It is a sin pen. and not be one scrap afraid either. It is a sin and shame to go to sleep swathed
in . cautious" blankets, while we allow our ing" fellows and this murdered constable in parti-
cular) to run into danger unprotected, and into
death unavenged. death unavenged.
Eastrr Monday Wa- a great day "intuirely" in
dear dirty Dublin. Races here. races there, races always satisfies me. There was also a a wonderfil
day for the people on Easter Monday, at Ball's day for the peope. on Easter Monday, at Ball"
Bridge. Those not "of to Leaperdstown corly the morning", went on to Ball's Bridge later in the day, and saw cycling, bicycling and tricycling, to I read of a lady th
kiss reat of a a lady the other day climbing up to never published. Was it not a sham, and it was exploit was as nothing in the eyes of the beholders exploit was as nothing in the eyes of the beholders:
Better late than never, so I tell it now, and of how
I won a wager of six pairs of gloves for doing it Ton a wager of six pairs of gloves for doing it. To-day I had a visit from a friend, a champion goes in for from everybody. winagine me having The audacity to ask her to play with me on Monday o be beaten by her, and hope to. learn a se proud month. The 'bopular superstition of overturning the sall


UNCLE TOM'S DEPARTMENT.

## My Dear Nephews and Nieges

There is a poetic strand braided in with our like May to bring the and perhaps there is no time icy chains are breaking, and "the rills and rivers sing with pride the anthem of the free." After being ice-bound so long all nature takes at sudden
pound, and lo, everything is changed and changing.
Poets of all time have felt the inspiring influences of
as Aristotle found out that "one swas old a writer
make spring, nor yet one tine day ","
Longfellow says in Hiawatha:
Came the spring with all itts splendor
All its birds and all its blossons.
All flowers and leaves and grasses.
and Mrs.
ords as
I come. I come! ye have called me long,
I come $\mathbf{0}$, the nountain with light and
Ye may trace my By may trace my step o er the wakening oarth,
By the wind whith tell of the wiolet. birth,
By the primrose starsin in the shadoww rass, By the green lea ves, on hine nis I pass. while many young lover
know Tennyson's words
In the spring a fuller crimson comes upon the robin's breast,

We might quote much more, as each poetic nature has given us his or her thoughts, and even you, my young nephews and nieces, are not devoid in the swollen sure the sparkling, dancing waters of spring at this May time freshness and beauty thoughts as the long winter didnot arouse forth such that different circumstances of life call out the different parts of our character, and it is well to rul against others in the battle of life. It is begun now, it began even before that first day at school when you met so many boys and girls whose faces were strange to you. It will go on till life is done. A true story may show you what I mean. A young
man fond of poetry, beauty and art and a strong character, chose as his profession that of a physician. He enjoyed his work and excelled in it. An unlooked-for turn of affairs caused him to become a banker, and although he had previously no love of business he found there was lying in him,
Although I started out by
fully my intention to give some of my yoetry, it was a talk about more practical things. It is yery friends and I rejoice to see you take such an interest in your Christian Endeavor Society and your Band of Hope I am glad to see you fill your place there so creditably, but I wonder sometimes if that coal you put on in of the ashes in burnt up, or did you dump it deeming it too much trouble to mother's request, burnt well. Was the baby cold and creing that it absence when father canc in? You must know UncleTom expects anactivemember ineither societ to put in his or her work. Is the dusting left undone or carelessly done, causing somelody ruffled feelings? Are the books and toys left lying around for see what there is to be done aes thought fulness to barn, or in the garden chatacterine house or Uncle Tom!" I hear vou cay "roure tion "O, us ; we don't think yet about these things." Well it's time you did; "I forgot" may almosit alwaye he rendered "I don't care", and "I didn't think" as a bad form of selfishness. for sometrody has to think and do
Brains have been given you thute and hink thus will not wear themont, but will serve to mak constant use guality by accustmang them th his; the thought ful persen of life suceess lies in he thoughtless one but seldom. By it you mak yourself so useful you cammet be done without, and tions of trust and honor. ions of trust ant honor:
of you will nise it to plath a tren and hope eath home, or sehool, of on the wad ornammental. or fruit, or from the wools. When you are far a way or laid quietly to rest, that tree maty prowe a coobl resting-pace for the timed traveller, may help to

 ime with it- busombs. and call th it in sping search of sweets, of the delicatc. dainty humming-



## POETS' CORNER.

Prize for Selected Poetry
Rev. Charles Kingsley was born in 1819, and died in 1875. He was an eminent English clergyand Rector of Eversley, and Canon of Westmin
ster. For some time he was Professor of History at Cambridge. He has written many essays, novels and poems; all valuable contributions to his country's literature. His novels are very instructive, dealing largely with social problems and evincing the man's deep sympathy with the Ho and Among his finest novels are Westward poems are beautiful both excellent books. His especially expressive and fresh: even his aubject are individual, and a clear purity of thought and lofty principle permeates his verses, His lines "Showers soft and steaming," "(risp the lazy dyke," "Shattering down the snow-flakes off the curdled sky," I think especially striking, and original in thought and expression.

Ode to the North-East Wind.
Welcome. wif̆ North-F
Welcome wiff North-E
Shame it tiv texe
Odes, to every zephyr :
Welcome, he the.
Welcome, black North-Easter
Oer the German foam:
Oer the Da,
$O$ er the Danish moorlands;
From thy frozen home.
Tired we are of summer
Tired of gaudy glare.
Showers soft and slare, teaning.
Hot and breathless air.
Tired of listless dreaming
Through the laze day: Through the lazy day
Jorial wind of winter
Turn us out to play:
seep the golden reed-bed--
Crisp the lazy dyke: Hunger into madines
Every plunging pik
Fill the lake with wild-fowl
Fill the marsh with snipe ; While on dreary moorlai
Lonely curlew pipe.
Through the black fir forest Shatterergy down the thr:-
Off the curdled sk.
Hark! the brave North-Ea-
Breast-high lies the scent.
Breast-ingh hiess the sic
Over heathd headland
Ond and
Chine, ye dappled darlings
Through the sleet and snow

Chime, Ye dappled darling
Down the roaring blait:
You shalle seear for for dic
Ere an hour be past

Det the fiscons southewn


What does he but soften Tis the hard grey weather
brecas hard Enylishmen What's the soft south-Wester? Bringing hame thecer tue love
Out of all he seat.

Come at ame our fathers
Heralded br the Lords by land and wait warel.
Cone and strong within
Bracheng hain and -ine
Song of the River

By chining shingle and foaminy war:
Filer the cray where the ousci wits
 Dlay hy me baithe in me, mother and ohild





## 



## Puzzles.

We hail with joy another puzzler,
A totat helps to fortu the puzer That shall weigh the anchor wh We must not fiest our important we reach ne the canoc soo reseat and import trong. stations But Fair Brother's place must too be there,
Bilee we couldnit get along. ind he must have the power to choose Whaterer then his chosice may be
Is free from all contest. Lescond too, we ought similar fate might perhaps be ours
oo the THIRD of al ship too sal) so while our ocean vogage last


Athong the merry "p paziler
Hho are in your happy ban
lhave made bord to eiter.
and to all extend my laind.

 Among lis are but frw. "Tenny son lont woulder at my rerves.
Fron one eridently $\qquad$ Lieutenant Charles Exwards is back again,
 Amos Howkins is in the race
Im sure total hell not be:
 Ti- thus our ship goes aiting along,
Incresing its crew day by day:
 1) ear old home 'mind all it opleasiure
In Ontario I iefi bellind :


 In a first-clase railway lar:

 Then ar tairiem my inournce my entect,


 But rinspeckithye for it mand kion.








## II: firs it to provide foot tor a party large or sinall:






 Answers to ist April Puzzles.

| (1) |  |
| :---: | :---: |
| 只 |  |
| 1) ¢ ¢ , \% | Solling. |
| (1)1 | \%ome |
| - | Lilly Div. |

## Names of Those Who Have Sent Correct

 Answers to April ist Puzzles
## W. C. EDWARDS <br> IMPORTERS AND BREEDERS. $\xrightarrow{\text { and }}$

 EINE GROVE BLETURst STOCK FARM,Rockland, Ont.

STOCK and DAIRY FAR Laurentia
 SCOTCH SHORTHORNS. Shorthoms, shareschires and Bershires

Jair North Nation Milis, P. Q.
 $\qquad$
 Ayrshires, Jerseys and Berkshires. Scotch families.
ALEXX. NORRIE, Manager.

## THORNCLIFFE STOCK FARM!



Montoe The Rule
 3221- y -om ROBER'T

Hackneys and Clydesdales


330 fom. BEITH \& Bowmanille.







REGISTERED = JERSEY $=$ BULL


FOR SALE-YOUNG JERSEI BULLS


F.A. FOLEGER


Holstein -:- Cattle. h. I. ELlott, Riverview Farm, Danville, P. Q.

 at all the large
 esdales and Hackneys in Canada is owned by
 NONE BUTT THE VERY BES'I ARE KHPT AT ISALEIGH GRANGE. IMPROVED LARGE YORKSHIRES. Seventy-five beautiful ewes in lamb to our imported
 and other large shows; including the first-prize boar at the Rosal. Do not forget that like




$\qquad$ SHORTHORN HEIFERS AND HEIFER CALYES
R. RIVERS \& SON, Springhill Farm, Walkerton, Ont H. \& W. SMITH, Hay, Ont. Thrifty young
Bulls sired by silver medal bull, Prince Bulls sired by silver medal bull, Prince
Albert, and from prize-winning dams of Albert, and from prize-w. Also ocws and
best Cruickssank blood
heifers for sale. Exeter Station, G. T. R., half mile. $\quad$ hil. 1 y.om VALENTINE FICHT,

 EOPRSAIE


为


IMPORTED SHROPSHIRES

W. S. HAWKSHAW,

AHAM BROS., CLAREMONT, Ont.




 are cordially invited to examine our stock.
atalogues free.
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suddenly, at any suddenly, at any
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