## PAGES

MISSING


米Agriculture. Stock', Dairy, Poultry, Horticulture, Veterinary, Home Gircle.;




## Profit in Hogs.

To the Editor Farmer's advocate.
Sir,-As I read a good deal in the Abrocate and other papers in reference to the profit in keeping hogs, I thought I would give a statement of what one brood sow has done for us. I will give the statement in detail for the first year.
8y On the 4th of March. 1891, she had a litter of eleven pigs, and when they were five weeks old we sold six of them for fifteen dollars cash; the other five we kept till the 15th December, when we killed them and sold them for seven cents per pound.
They weighed just a trifle of $1,000 \mathrm{lbs}$. We got $\$ 70$ They weighed just a trifle of 1,000 los. We got $\$ r^{\prime}$ cash. Then on Sept. 10th she had a litter of fine. We sold two of them at the Russenf march, when we killed four and sold in Russell at seven cents per pound. The four weighed 620 lbs . Then we kept the other three till sometime in April and killed for home use. They averaged 175 lbs . Now, I find altogether these items make the following amount

## Six young piges. 1,000 tho of pork, Two young pigs. Twi



Total................. 15015
er, on the last day of February, 1892. And further, on the last day of four of them on the lst of April for ten dollars. We kept the seven till the last of November, when we killed them all: they averaged 220 lbs ., but on account of the low price of pork we made bacon of it, and will keep it till summer. Then on Sept. 10th, $18!2$, she had a litter of eight. We are feeding them now. They are fine ones, and by the last of March will easily make 16 January, 1893, she had twelve more, but lost five. The other seven are real beauties.
Now, as to the breed. The sow is a well bred Berkshire; the hog a thoroughbred Yorkshire imported and owned by R. McLennan, Esq.. Minhiska. As to the feed, the first year we had very little till fall in the way of grain, but lots of skin nilk. We fatted them with barley chop. The res have had a fair supply of grain all along, alway: chopped and well soaked, with a fair supply of milk added when fed. This involves a goond
but our mission here is to labor. but our mission he
Ninniska, Man.

John D. Gidrnett.

## Holstein-Friesian Breeders' Meeting.

The annua! meeting of the Canadian Holstein The annua! meeting of the Canadian Holstein-
Friesian Association was held February 15th at Brentford. The Secretary presented his ammal re port, which showed mates registere $1,15 \%$. Males transferred, 128 ; females, 131 -total, 259 . There are 73 members in the Association.

The yearly statement shows the finances of the Association to be in a flourishing condition. After publishing the herd book and defraving other anpual executive expenses, a balance of $\$ 1+1.64$ is still on hand.
The ele
The election of officers resulted as follows:-
President-R. H. Crump, Masonville: 1st Vice-President-R. H. Crump, Masonville: 1st Vice-
President, H. Bollert, Cassel: End Vice-President. President, H. Bollert, Corge: Brd Vice-President, R. T. W. Charlton, St. George: Brice-President. R. Marshall, Edmonton. Directors for two years Win. Shank, Sherwood, and A. Kemnedy, Ayr. The other directors arrer, D. E. Smitn. Church ille. Auditors-G.W. Clemons, St. George: J. H. Patten. Paris. Representatives to Industrial Exhibition W. B. Smith and Wm. Shunk.

Toronto was fixed as the next place of meeting. first Tuesday in February, 189.
The following were recommended as judges for exhibitions:-Messts. Shunk, Stevenson, Bollert.
Hallman. D. E.Smith. ('rump, and H. Mec'ausherty Hallman. D. E. Smith. (rump, and H. Mccaugherty. Inspectors of importeotate Shunk.
Bollert, Sterenson, (rump, and Shamk. fixed at $\$ 2(n)$, milway and other travelling expenses of the Execotive Committee to ? e paid. The secretarys salary last year was sisty per cent. of the earnings. Mr. Smith this year propesed doing it for fifty per cent.. but this not being entertatined, he tendered his resignation, and Mr. Chmons, of St. George. Ont.. Was appointed. Mr. Mamman then elected duditor in pace of Mr. Crump. Cha
Papers were read by Nessis. R. H. Crump Papers were read by Nests. R. H. Crump, (hat
ton, Stevenson. II. Boilert, and A. Hanlhan. The Association decided. regarding certain atthe
seeking admission, to ahere rigidly to the present herd book rules as the onlve satic course. In a future issure
fore the Asocciation.

## Quarantining Canadian Cattle.

To the Editor of the Farmers Advocate.
I notice the severe strictures on Secretary Rusk in your last issue re quarantining canadian cattle Are you right in your premises: No one knows the value of the live stock export trade with (ireat Washington. Ever since his appointment he has worked steadily towards securing for the Western cattle men the privileges enjoyed by canada. He catte men the privileges enjoyed by turn bullied, cajoled, threatened, and at last demanded that right, and it is only the fact of the discovery of pleuro (though very doubtful of it being the contagious form) in some of the shipments that has prevented him gaining his object. And if it will strengthen his hand to gain that much-to-be-desired result by following suit to the English lead, can you blame him: Can you with any more reason blame England for scheduling us: As the son of an English farmer, whose herd Was twice decimated by the dreaded scourge, I fully
sympathize with the farmers of Great Britain whe sympathize with the farmers of Great Britain. who have lost may inas and who only ask protertion from imporied disease, and who onla ask protecto eutre. I saty when England found some of our antry. I say when England found some of our
cattle diseased, and that we were allowing cattle from a scheduled country to pass our borders without the necessary quarantine, again. I say, can you blame the English Minister of Agriculture? Then upon whom shall the blame be saddled: The Order-in-Council of last Saturday explains the whole matter. It appears that cattle have been allowed into the Canadian Northwest without undergoing the necessary quarantine. What I would ask you to ascertain, if possible, is :-1st. How came these cattle to evade the Act of Parliament enforcing a ninety' days quarantine? ?nd. Was the Act amend-
ed to enable them to do so: if so, when!: Brd. If ed to enable them to do so: if so, If not by let by Order-in-Comeil. the date? th. If not by Aet
of Parliament, or Order-in-Council, whether is the Department of C'ustoms or Department of Agriculture responsible: I may say here, that 1 am satisfied there has never been a case of phenro-pnemmonia contagiosa in Ontario I have seen somuch of the disease that I conld recognize it : neither do 1 believe it is to be fomed elsewhere in the Dominion. And I would suggest that the Dominion (iovernment secure the hangs of catte satid to be infected
from the inspectors at Liverpool, and have a from the inspectors at by imnoculating certain healthy cattle and watch the result. Of course this would have to be done by was not better appreciated. Our legislators have thrown away a great national interest for the sake
of a few settlers cow : have thrown away what the of a few settlers cows; have thown away what the Tnited states have been striving for years to oh-
tain, and what probably will never be allowed to us
 A. Americans did not quatantine ( amadian cattle because they believed pleuro exist an Canada, but as a matter of business. Mr. (iibson will admit that Mr. Rusk has been very unfriendly to Canada, and has shown his dislike in a marked way whenever he had an opport unity. he has refused to recognize ali anadian records, and Imerican records. or pay dut $y$ on all pure-bred stock sent from Canada to the C . S.: With Mr. Gibsom we concur that the blame of having Canadian cattle scheduled by England may be laid at the door of the Dominion Govermment. Even now the allvisability of allowing American hogs to come in in bond and be slaughtered is being considered a Ottawa, notwithstaming the fact that American bacon is inferior to Canadian, and that American hogs suffer from diseases not known in chat of American cattle into Camada in onm next isisule.
 thousiad cows, owned by 201 farmers, suppig it
with cream, and the alserage daily product is loinn with cream, and the aterage daily product is 10, Mh
Its., or fice tons of butter. All creann received is
tested in order to obtain a thorough tinewelet tested in order to obtain a thorough knowledge of
the amount of butterfat in the arerage product of the amome of butterfat in the arerage product of
cach farmers dairs, and he is paid daily for the butter ralue he brings in. There are fifty-four stations for receriving the milk, and at these stations the crean in separated, and only the latter is sent
on to the on to the sors. The run sote of chmes eath The butter-working mathines are four in number and in a very few moments sollos. can be properyy
worked and salted. They use a cartload of salt every two months, and the factory employs sixty
hands. besides the forty on the station's employ hands. besides the forty

Sheep Raising on the Islands of the Gulf of Georgia, British Columbia.
may not be generally known to your realem hat there is a large and profitable field for investhat there is a large and profatale of the Gulf of Georgia, situated between the Seymour Narrow: and Vancouver. There are at least ten islands, with an area of about 12.000 acres. that can be profitably utilized for sheep raising. These range in ize from 200 to 2,000 acres. At present only about 2,000 acres are stocked, and the results obtained have proved very satisfactory to the owners. The dass of sheep that are found to be best adapted to this locality are Cotswolds crossed wim Nos. They are hardy, very prolific brecters, geld a good rop of wool, and their mus thes reguire no feed tuff to be laid up, as they are well able to forage for themselves. This has been tried on Savary Island for four years with excellent results. The winters are mild, no snow lying on the gromul. The a velage increase has been about low , alt hough fill bettor results are sometimes obtained as, for instab, elanto sear, when a bunch of twenty ewes with thityeight lambs was shown by Mr. J. Green, of Savary Istand. Stock sheep cost $\$ 4.50$ to $\$ 0.0(1)$ eath, lamed on the islands. Wool sells for about 12c. per lh, Spring lamb retails in Vancouver at $2 \cdot \cos$. per 16 . The fact that the demand here for muttom largely exceeds the supply is shown or the fact batcoze now from Prince Edward Island, notwithstanding the heary expenses for tramsport by rail, etc. As will be scen from the above statements, sheep raising on the islands here is only in its infance, but the experiment tried on a considerable scale on twoon these islands has given highly satisfactory results. The islands offer the additional advantages for sheep raising that no fencing is required, herding is umeressany, and ther are nownes or cayote to motest the sher co preat facilitios an passage and transport at cheap rates. Mr. J. M. Mackinnon, of Mackinom, Macfarlane A Co. Vancouser, B. C .. Who is a practical sheep farmor, having owned and worked a large sheep ranch in irgom, I. S. A. vouches for the correct-
nes of the abowe statements, and will willingly give infomation and assistance to any one interested in this matter.
Mr. M. A. Mclean. J. P...ex-mayor of Vancouser, B. C.. has just received his commission from the and Washington, and ascertain the welfareand contentment of the settlers. He will also enguire into their future prospects, and gat her statistical information concerning wages, the price of land, and various other matters. He will bring before the notice of the settlers the adrantages and futme prospects of British Columbia, ats weil ats Manitoba and the Non thwest Territories, and show how much better these provinces are than many others.
In connection with the above there is a splendid British Columbia to take action by offering lands British conds and showing the reablads. tages they can offer settlers

## Prize Essays.

Dear Sir. Would like to get some information houses and walls-such de tails as proportions of lime whe gravel, whe storould be used, best thickness to make the wall say for $1+$ foot wall, best method of preparation and general description of buidding, etc think this would i
ous readers, as well :ts
espectfully,
James Mryro, Cartwright.
DEAR Sir, Kindly answer the following guery in the mext ishe of fom fatate paing would you recommend as being the most economical, combined with
bility, for enclosing pastures?
Yours truly,

Incitrer. Portage la Prairie.
IED. We would like some of our readers to give their experience on these subjects, as dombtless nany besides the enquirers will be interested. The important as mixed farming becomes more general We will give a prize of five dollars for the best essay in answer to question one, essay to be in thi ofticeon or before April 20th. 1593. We also invite will be paid for at the ustal rate.

It
the leadnag agriculturall $\begin{gathered}\text { dominton. }\end{gathered}$ Pcblished bx
the willam weld company (linited). London, Oxt., and wismipeg, Man.
Johx Welo, Manager. The Farmer's Advocate
It is impartial and iden on the first and

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rates furnisithed on appplication.

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thind puncr boud be adresed ns. biow, and not to any


The farmers advocate, or
THE willian weld co.
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 Fard:-

 Dniky:The Batrock Teter for the checeec Factory: A Piak Poultry on the Farm.
 Finui. Circle:-91.
Qtiex Hocr: 91
Mixie Mars Deratuext-92

CANADIAN THORPE BARLEY
Excent on rare occasions and in fayorable localities. the
Engish $T$ Wo-Rowed Barley have not done well in Canida.








 ceiver. who will pay R. Recta.
company each new name sent.

## FARM.

## Spring Grain.

TEStimony from farmers regard As is our custom we prese thow. vidence of farmers from all parts of the province of Ontario, and also from Quebec and Nova Scotia. A careful study of these letters will give our readers a good idea of the rarieties of grain that will be likely way will act as a guide and prevent them investing mones in grains which are no longer profitable or uselesis novelties. The report of the co-operative tests of new varieties made by farmers in every county in Ontario for the Experimental Union will also be found both interesting and instructive Essex, S. R.
Oat- Black Tartarian have done well wester, with me
he pait selson: threshed over to bushels per acre.
 two rowed, asis could see nothing in it; those who did are com
ing back to the old yariets. ing back to the old variety, has done well. Hybrid Mediter-
Wheat Hhite surfise has
ranean is grown more than any other variety, with clawson to fall back upon, whicl i Middlesex, E. R.

$$
\begin{aligned}
& \text { Middlesex, E. R. } \\
& \text { REPORTED BY R. H. MARDING. THORNALE. }
\end{aligned}
$$

## Another ear having pased and gone gives us another op portunity of fett ing the reader of the nvoct and fellow farmers know the leading varieties of grain in the difterent

 farmers know the eading varieties of yrain in the ditterensections of Ontario the pat year. Athough there has not
been as cornes many yew varieties sown in this section as in som
forner wer worth of nention in oots
viz: White schoen. Early White Goilland, White Cham

 popular. They grow on tall, stift straw, and are heavy yierd
ers ; weight 40 pounds to 45 pounds, and are medium early
T.



 at all liable to lodge. I yrew to bushels or more from on
bushlol, owiny jutit on medium soint of the older varieties i
ond
 can Beauty and Black Tartarian.
American Beaaty is the earliest
Peas were alliost a total failure. owng to excessive wet
wetar whe ing the lead. Ine areccage has been some what limited the past
year. The two-rowed varieties are fast taking the place of the older sort: spring wheat is not grown to any extent here, although
fen farmers have continued to grow it for the last ten yearn fen farmers have continued to grow it for
and have reaped failure nearly every time.
Oxford, S. R.
 tuatity, and an all-round yood oat and a choice oat for milling
 Batle. The past year (d892) has been in this section at least
Byor , ear for barley. or the tworowed varieties, the a poor, Year for barley. for the tworowed tariet ies, hany
prize provitic has now no fiend. and is is doutul if many
would now sow it if they got the seed free. Howerer, another




 for malting, but the eprice received has not been very encourak.
ing I have no dont many will grow barley this year in antici-
pation of a lower siprink wheat haty not been a reliable crop of lath, and not
muth intereet tis taken in ithere
peen the

 the very bet grain for feed. The shath peat are now mot ing in
faver. The large varietie hare had their day. and that day
is pait. The Mummy pea is a good sort.






$\qquad$

 In spring wheat the White Rusian still leads in this section.
vielding a fair crop where the other variet ties entirely failed. REPORTED BY GEO. GOodeER, wo
American Banner and Australian
Oatr-Americanial.
Barley-Centennial
Spring wheat-Very litle grown.
The oat that is mostly grown in this vicinity is the Ranner oat. I tried some of the Golden Giant side oat, but they did
not do as well as the Banner. There is very little of either barley or spring wheat grown in the
was a failure here last year.
reiorted by w. w. ballantyne, stratford Surprise fall wheat has been the leading variety the last
Wo or thive sears White Fyte spring wheat has done well
Colorado has also been grown considerably, but 1 don't think it hasadoen an alentire en groceses. considerably, bute
Ranner oats have been grown quite extensively, and, it hayer oats have been grown quite extensively,
think, with pylendid reults.
Very little barley has been grown the last two years
 succeeded in the order named.
Barley-Little grown, except for feed. Huron, S. R.
berorted by a. P. Ketchen, brucefielo. In oats. which is perhaps the most important cereal grown
Ontario farmers, 1 might say that the Rosedale is very wel liked by those few who have them, whe the Raner is rapiddy
growing in public favor. It is a splendid yielding oat, an although not a very heary strawed oat, yet the straw is of ex
cellent ouality
One man tried a f fow Joanetee black oats, and


 or feeding purposes.
Among sprigy wheats the Colorado is still the standard,
although eve the yield of that was disappointing last year, Huron, N. R.
Keported bi j. N. Kernighan, benmilag.
In oats about the only variety grown is the Exyptian, which
eraged about 35 bushes to the are. We receved six varie-

 ng about en bushels. The two-rowed Prize Prolitif was grown
some. but owing to the shortness of the season it does not
ield as well as the six-rowed. The Colorado was nearly the only rariety of spring wheat,
 Bruce, W. R.


 Flying Scothman, very eary, stitr and tall straw, oals plump
and heavy, 36 pounds ber buhel. The Earl Cluster are agood
yielding
 soring Wheat-The Ladopa and Colorado are the two
varieties priucipatly grownd Ladoga is harr to threh, but the
millers give five cents per bushel more for it than for the millers give five cent
Colorado.
Bruce, E. R.

 when cleaned, ${ }^{\text {gut }}$ poun
White Chatr a failure.

 should not be sold to mix with the ordinary six-rowed, as it
does not malt in the same time.

 anckawanna, which he speaks very hirgy
Grey, E. R. by w. cons, heathcot
Oat. Raner and Davarian yichach.
There was ery dittle barley yrown Moxt of the varieties of pipring wheat rusted. I think all
he ditferent varieties of fall wheat thatlere trown were good.
The Seneca and Velvet Chaft were mostly grown.
Brant, S. R.

Red Winter Wheat The Manchester stands first. In a
Wour years test it has proved hardy, a good yiender, and weigh ing 62 to 63 pounds to the bashel. agoon be grown with as别
 goon farmers. , heseson' crop of barley was below the average in quality
and quantity. Not much two-rowed barley was grown, and and quantity, Not much two-rowed barrey was grown, and
ath ough some oothe samples were of a high uatily, the yield
was not satisfactory. Very little, if any, will be grown here

 Brant, N. R.
R. s. STEvenso
Oht- Black Tartarian and White Rusjian have both done


sow it again．heat
Spring Wheat－Very y litur raised here．
Wellignton，S．$R$ ．
Reported


 Boarile－TWo－rdwed can only be bold for feeding purposes

 Haldimand．
ewsume
In the oat crop in this ricinity there is a movement to intro－
duce new oats．The＂Wonderfui＂oat is being tried by a few
 York．S．R．
reported by f．Mclholland．
The surrounding district is one in which the growing of
cereal crops is not made specialt．Girowing of hay for
Toronto market and the production of milk for the same place are the chief industries．The White Cluster and Egyptian ar
amonst the best oats． amongst the best oats．
The conmon six－rowed barley is mostly，grown．but was
light in weight his past tear，owing to too much warm weather light in weight this past year
during the ripening period．
Wild Goose is the ooly
but a very average crop－abo

 with the way it stands up，its bright，iengthy straw and good，
plump，heary weithing grain．The vield was about 30 bushels
per acre，and weight 50 pounds per buishel．

York，W．R
Fall wheat was very poor，excepting one or two varieties．
he best kind was the eleliable，which turned out well vielding
 Barley did not do well，on account of the hot weather ripen
ing it too quickly．If anything，the tworowed dit the best．
iots were generally a good crop－the Anierican Banner having the preference． York，N．R
Fall wheat－Surprise，Standard，Michigan Amber，Martin
amber，Democrat Gartield，While the old Clawson is till
rown to some extent．The Surprise and Standard succed

 The last mentioned，a new variety of spring wheat，was not a
success here this vear．Many farmers are feeding it to their
pigs．It is badly shrunken

 REPORTED BY H．B．JEFFS，BOND HEAD Spring wheat did not do well last season，The varieties are
Colorado．White Rusian and Hybridized Frfe．
Peas－The English Multiplier led ；then the Mummy and Potter． Oats－These have been grown promiscuously by many，but
those varieties hat apeart to succeed the betat are Joanette Black，White Cl
Potato oat． Barley was almost a failure last season on account of the
cold，wet June the old six－rowed and the English two－rowed
were all the varieties sown． Ontario，W．R．
Ontario，W．R．
Reported by J．r．RaNDALL．Newnarket． Black Tartarian and American Banner．
Barley－In point of yield the Duckbill，two－rowed．gave the Barley－In point of vield the Duck bill，tworrowed，gave the
most satisfactor result．The od chanadinn isx－rowed did well
in sectionk，but＇was not generally grown．Russian also did Reported by（i．A．brodie．bethesda．
The varieties of oats that did best are Black Tartarian． Banner and Welcome．
Barley－Duckbill．Carter＇s Prolitic and the common six
rowed．
owed．
Spring Wheat－All rusted badly，
Sew varietie：－Early Gothland
car，which will vien about is bushels per acre．They stan
 yielded about thirty

Ontario，N．R． Remoktel BY A．T．Whancko，sparkow lake．
Spring wheat－Beat rariety is Scotch Fyfe，though we ar
much trobled byidge． Qats－Eyphian

Ontario，S．R


 liand but barring some change in tharket prospects，there wil
be but little of any raied for sale this year． The White Cluter oat is the most generally cultivated
cereal of all inthe neighorinood，the greatet fallt being that
hovise bolt many when fed unground owing th their hort． horses bolt many
phumpy form．

 with us．Wher is not grown to any great extent in this
section．the present seaton being almost a failure．Varieties section，the present seaton be

- Colorado and White Russian
kerortin
 White cave oats：they were good，bur not quel．The two－rowed
Bannere commuon six－rowed barley did well．
The properly
did not try spring wheat at all，as it is so often a failure．
The Black Tartarian oat gave very good results in this dis－
隹 ield I have had for se veral years was from the White cluster
which gav




 trial． $\begin{aligned} & \text { Barley I（two－rowed）－There was a great deal of this barley } \\ & \text { grown in this section this year，principally the Carter＇s Prize }\end{aligned}$ Prolific．This variety has not done so well this past ear as in
previous years，not having a very stiff straw and being easily
nocl

 and firmer and the straw brighter and stifter hand that orew
other variety named．Six－rowed This ariet was not rown
very extensively this year．on account of the two－rowed taking the lead in the markets last year．The principal varieties of
this kind are the Xleusury and Imperial．of which the former
vields better in this section．

 nem

Peterboro＇．
Oats－In oats the American Banner．Welcome and Egyptia
did best in the order named．
 grain．
best．Ta－－The Prince Albert and Canada Cluster have done the Peterboro＇，N．R．


 ripened to o quickly．
Ont have been a good crop

$$
\begin{aligned}
& \text { Peterboro', E. R. }
\end{aligned}
$$

Spring Wheat The Colorado has aqain taken the lead
although Campoll white Clatf，which wa．introduce by
Steele Bros．，of Toronto．did very well where it was oown ear Steele hro．．of but where it had not these ad rantages it raste
on high land
badly and win










 Frontenac．





 very poor－ati－faction whe yar with shother，as the lear
ourheavy day very dinty with May－weed．rat－weed，anid othe
dirt
 Leeds，S．R．and

Buring the past ten yaras wo have groun onls thire oraic


 When I Mas aboult tan neverage copp．

Cornwall

 pararies soinu

Glengarry Co．
reported by e．g．m＇callem，matintow．
Oats－The Banner leads；Egyptian did well．also Black

 Oderbrucker，Siberian，and White Tartarian．Barley－Oder
brutker，Mandischuri and Cheralier．Wheat Red Fern
Pringles Champion and Rio brucker，Mandischuri and Cheralier．Theat Red Red Fern
Pringles Champion and Rio Grande Thee varietee were
grown on smal plots，and are very promising，especially the
oats and barley． oats and barley．

## Glencarry

REPORTED BY J．H．EsDON，CCrkY HILL
Wheat Whte Fye still excels any other in the
Campbells White Chatf was a total failure with me． Dats－Early Angus and White Canadian oats seemed to
withstand the wetest Itrid Flying coothman and the the
did very well where the land was high and well drained．Ban
 has proved diteseff to be hardy；it was the only pea that gave $m$
any thing like a fair crop． anything like a fair crop．Carleton Co．
In this section the following grains gave the best results：
Sixing wheat，White Flint．Oats，American Banner．Barley，
six－rowed． Most of our neighbors grow the common white oat ：
turns out very well The Banner and Golden Giant did very
well with us，especially the latter． well with us，especially the latter．
Reported by d．p．L．Campbell．，vanhleek hill，ont
Oats－The Egyptian gives a heary wample，but the yield in
bustelsis isoouthe averate．while the traw is very correand
not cood for feeding．The Cave oats promise fairlv．Won－
 derful（EEans，Hainilton）heavy ganple，but weak，straw．
Banner gives as good general sativfaction as any wainety，
Barley in not grown to any great extent，but the common
sring Wheat－The White Russian is the most popular
St
sariet here．I think Heirsons Bearded vielded 4 bushel per per
 toulin，91 bushels．Campbelis
blight or rust ；sample shrunken．
Renfrew，S．R

Wheat－White Fyfe and Whit
Oats－Banner and Egyptian．
Barley－None grown：
Renfrew，N．R
 On and Jones＇Winter Fyfe are the most promising．No coring Whet or The Blawn．Tartarian and Black Diamond are the
orts chicfly grown．

Quebec，Chateauquay Co
REPorted by r．robfrtson，howich．
Oats－The Banner oat sems to have done best．but wow
 （llover Anextra good crop，mostly Alsike． The best crop of grain that I have grown in oate，barley and
 both of straw and grain，on the samener，which will kive more
cultivation．The American Welcome had becn tried the some
with some cuth good results．
Barlc re Colt
Barke Common six－rowed general crop，but I get a bet ter
ample and a larger vield from the Mensury．


Huntington Co．
Everything was a failure，on account of the cery bad flood
which we lad．Whe tried the colorado wheat bit it had n
chance on account of the water．so 1 cannot tell very muct
 bushels．Some places the
water．
Chicoutimi Co
1 have for the lat two eears sown the Welcome．oats，whicl
I find very gools also hare vown the Rusian oats，whict
 The barley colt i it matt there are the two－rowed and sis

 perimental Farm，Otta wa，which gave very yool re－ults．It
fifteen dayw earlier than the other wheats．

## 

Cumberland Co．，
Reported by c．h．black，Mherst．

——

Antagonish, N. S. The seeds seed here are all imported from Ontario, with the
ception of oats
nod




 is usually sown
 always rece
Report of the Co-operative Tests in Girain
by the Experimental Union










Red Fern
Manitoulin





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What Our Seedsmen Write Us.
OHN S. PEARC
 that have proved valuable, and should be tried b,
the readers of your widely circulated and valuabic paper
chadiax thorpe barley (two-rowed). There is no doubt whatever that this is the best today. It has many points of superiority over any
other sort, and every one of our customers who
ond tried this larley are more than pleased wet harley
results. As a crop for feeding this is the best harle resuts. And now that hog raising and feeding is
to soming himportant adjunct of farm work and
becoming an profomit far aners will mant decidedy consult their own
puterest by sending for and trying some of this barley.
Ne sprivg wheats,
We have seen none better than the Colorado. This is the best and safest spring wheat to, sow the market, and bome
there are other sorts in the mor are claimed to be very superior,
them has not been satisfactory.

Among the oats that we offer, the Abrssinian,
American Beauty, Golden Giant Side and Rusedale


 nneel of fresh secd.
Ao house in the seed trade has given this branch
the
best and truest sorts and brands of ensilage corns on
the market. Our stock are carefuly grown and
sele selected. Our M.S.S. still leads the van for large sweet ensiage forsectionsot the coumry where
mature, and Pearces Prolific is head and shoulders abotue and heatof any other sort for colder sections
of Canada, such as Quebec, Nora Scotia, New Bruns. of Canada, such as Quebec. Nowa Scotia, New Bruns
wick, Prince Ed warr Island and Northern Outario
Waral Thoronghbed White Fliot is a youd sor where it will mature sufficiently: Its germinating properties are not the best, and it should be only sow should not be put on any other lands.
We have a new and very early dent, called Extra Early Huron Dent, which we are introducing fo ensilage purposes, and have no hasitationisition and will fill a long felt want, viz,, an early dent thatio ifici This dent has proved itteest to be such that your
liters will do well to try this new ind promising sort for fodder and ensilage.
Those who have not already received a copy of addressing John S. Pearce \& Co., London.

GEORGE KEITH, TORONTO, ONT.
 In wheat, the Saskatchewan Red Fyfe is without
doubt the finest spring wheat in cultivation, and doubt the finest spring wheat in cultivation, and
should be more extensively raised in Ontario. The White Fyfe and White Russian are largely in
demand. In oats the Black Tartarian is the best for all purposes, having a thinner hhil and more
food than any other, besides being a heavy cropper. I have an supply of these oats now on the way from
Scotland. In barley the two-rowed varieties do not seem, as a rule, to do well here; the six-rowed is a
more sure crop. In field peas the Nummuy pea seems more sure crop. of the Common White. The Prussian Blue pea is much in demand for export, and should be more
extensively grown. In fodder corn we have found
 has given satisfaction to all who have sown it. Mh
roots, the targe Short White Voges and Large
White Belgian are the favorites in field carrots The Mammoth Long Red amongst the mangels, and Keld scottisnothampion Purple position amongst the Swedes The roots are smooth and round, and are utterly
void of that irregularity in shape so prominent in void of that irregularity in shape of promithen apt
other varieties. Nany varieties of Swedes are apt to produce a heavy crop of "tops" in a wet season;
but we are glad to say that after severe tests the Scottish Champion has clearly shown hat it is no
respecter of seasons: damp or dry it retains its well respecter characteristics; large, smooth roots and
known small headgear. As much as 1,200 bushels have been cropped from an acre. This speak forit sery (LTD.)
THE STEELE, BRIGGS, MARCON SEED COT THE STEELE. BRIGGS, MARCON SEED CO'Y (LID. of this, has done remarkatby well, though in other sections not as well as the year previous.
wheat has also been a success with many
In barley the farmers hardly seem tod know what
to sow, the Two-Rowed or six-Rowed, and we do not know of any thing new in this line to offer In oats we find Garly Gothland to have done satisfaction, the reports from all sections giving the strongest testimony in its favor. This new Swedish oat we consider one of the best, and unhesitatingly recommend it as superior in ath respects to any
we have yet grown. They are different from othe oats in the way they grow, being neither a side nor spangle, but growing closely and evenly around the
main stalk. The oat in the tield is handsome and is very stiff in the straw : free from rust, and stand We know of no varict of corn that will take the place of Thoroughtred White Fliut: it is sy all odds
the strongest--⿰rowing. And we feel confident that he strongest-growing. And we tee contident that
this corn will increase the yield per acere over other varieties of ensilage corns. It is of spreading hathit;
not more than one kernol should be grown in a hill: not more than one kernel houdd ne grown an hind
Its great suckering haibit. bread of bhade and while for ensilage purmones it is momst taluathe. This, with our Giant Prolitic Sweet Ensilage will now
rank first for silo purposes. It is the cheapest corn,
 Offered. and many chaims madde for their excellence. We find that Freeman, greet.in for late potatoes while
Giant are the thre best for steeles Eariiest ore
for the earlier varieties.

## Free Seed Grain.

We clip the following intereting item from the and passenger agent of the . P. R.. Wh-day replice
 the concession of a vear ago and carry all seed
grain from points within ho provinee free. Thi




## Seed Grain

by J. e. richardson, princetos,
In a few months' time farmers will be commenc ing their spring work. Before spring opens up it would be well to take time to consider hhe duch ferent kinds of grain are to be sown. So much eopends on the sor is adapted to his land. After deciding what kind of grain you intend sowing, say oats, peas, barley, the next question is, What variety of the above is best? This is a question which is very hard to answer. One thing is very important, and this is, whatever variety you select, try to get it pure and free from foul seeds. Many farmers are very indifferent about getting pure seed. One says: "What does it matter if grain is mixed, it will all grow, don a for it at the seed, and I get just as g. And, besides, I dan buy my seed from my neighbors at the market price ; whereas, if I buy pure seed, I shall have to pay more for it." In answer, I would say, "Supposing you intend to sow six-rowed barley and buy some from your neighbor; when it comes out in head you notice it is badly mixed with two-rowed, and when the six-rowed is ready to cut, the two-rowed wil want about twelve days longer to ripen. Either one or the other mustill your guch a good price as i to the market will yor gost decidedly not you "Then, again, oats. Perhaps you may wish to sow a very early variety and find them mixed with a late kind. If you do not cut the early oats when they are ready, waiting for the late ones to ripen, the early ones will shell out badly in the field and be wasted; and if you cut the early ones when they ar ready. thate ones will not be matured, and will be light, and when you thresh them the light ones will be blown out upon the straw stack.
So much has been written about foul seeds that
I think it is hardly necessary to refer to them, but I think it is hardly necessary to refer to them, but grain every year. I remember one day I was clean ing up some wheat in my barn, when a neighbo brought over some wheat he wished to weigh on my scales. He was selling it for seed. After weighing the wheat, he asked me what I thought of it? I replied, "The wheat would look well if you woul through the mill once; my mill won't take out any of those seeds unless 1 run it through two or thre times, and I might just as well take it to the marke as do that, as I am only getting five cents a bush wait some months before I get my pay for some of it." I may add that you couldn't take up a handful without finding seeds of cockle, red root, and
even wild flax. This farmer sold between one and two hundred bushels of that wheat and foul seeds. As to the variety of grain to sow, which I said was a hard question farmer to take a farm journal. The Farmer's Advocate, for instance, takes a great deal of pains in sending experienced men of whent which report appears later in their valuable journal. Then, by reading the reports of the experimental farms, a large amount of infor mamens' catalegues you can see descriptions of different varieties of grain. Lastly, by keeping your eyes watching his crop grow, enquiring the variety if you see a good crop, and listening to what any one may say regardi.
have tried.

## World's Agricultural Congress, 1893

Among the many World's Congresses to be held at Chicago during the Columbian Exposition, the Agricultural congress From every nation, men will come together place. From every nation, mon, who from practical and successful experience, patient and accurate report the condition of farming in their own lands, and to suggest the wisest and best means of remov ing obstacles, securing greater success, and advane ing the conditions ond nature will be discussed, concerning the principles nather then the working details of general farm cul ture, animal industry, horticuricul, agricultural organizations and egisation, agricultura education
and investigation, good roads, household economics and general questions of interest to all. The meet ings will be held in the Art the City of Chicage Forest Park, near the centre of the ce rooms for the
This building has two large audience rom principal meetings, and more then twenty sm.tile rooms, which can be used for the smather meeting required for the consideration of specill hogral Monday, Horticultural congress will be held at an earlier date. Prof. E. G. Norrow, Champaign, Ill., is acting

## Maple Sugar Making

BY H. A. HITCHCOCK, SECRETARY G. H. GRIN
Each man has his own idea of a sugar house. While one good sugar maker has a house with two ing and canning, another man, who is more par ticular, has his, woodshed apart from the nain building, besides having his storage in one room, his evaporator in another, and still a third roon in
which to can his product or finish it off into sugar; so that we can offer you only a few general directions in regard to the sugar house, as well as the sugar bush, and the detail can be filled in according
to one's own preference. We emphasize this po
Ne emphasize this point, that the wood shculd be kept apart from the boiling room, so that the
steam will not dampen the wood, and the dust
arising from splitting wood, arising from splitting wood, etc., will not get into
the sap in storage or evaporator. The boiling room the sap in storage or evaporator. The boiling room
should be perfectly clean. The wood should be should be perfectly and, if gathered in the fall and stacked
und in the shed, it will have time to dry and give up in the shed, it will have time to dry and give
forth its best heat when used. If we wait until late forth its best heat when used. If we wait until hate will be somewhat damp, perhaps soggy, an
not obtain a bright blaze and strong heat.
It is a good plan to have the fire-box of the evaporator over lower ground than the back end.
Build a brick or stone ash-box beneath the ash-pit, in order to raise the arch to its proper level. If the ground is not sloping, a hollow may be scooped in the ground for this purpose, the idea being to rest
the fire-box of the arch on a stone wall built about foot high. This raises the feed doors one foot above the level of the ground in front of it, so that stooping is not necessary in order to put in fuel
and much tiresome labor is saved: and, also, we will have a deep ash pit for the ashes to accumulate in, so that they will not have to be removed as often as if there were no place for them. Now then, having we wish a floor we lay it through the rear end of the sugar house, beginning either at the front on back end of the fire-box of the arch, and there is hen no danger of the floor igniting, as there is sugar makers have their sugar houses floored, and
many of them even go to the added expense of many of them even go to the added expense of
ceiling them-making them warm and comfortable eiling them-making them warm and comfortable team will pass away. These points, of course, are unessential. But a good sugar house should alway: have a ventilator nearly or quite as long as the so that the escaping steam will rise straight up and so that the escaping steam wayl rise straight up and pass away, thus aiding evaporation. hassing out through the doors and
should always be shut.
Whatever evaporator is used the top of it should
perfectly level, and in building the sugar hous be perfectly level, and in building the sugar house
the direction of the prevailing winds and the sur rounding hills should be carefully considered, in
order to set the evaporator in a position where it will obtain the best possible draft. The fuel doors of the arch should always face the direction from
which the prevailing winds come. We advise buildwhich the prevailing winds come. We advise build ing a ittle room outside of the boiling for a storage
room; it removes the sap from the heat of the boiling room, so that it is less liable to sour.
f the sugar house
can be built on a side hill, advantage can be taken of
it in placing the storage tank on the upper side of the house, as the bottom of the storage tank necessarily must be above the level of the top of the
evaporator. And then as we bring the sled of sap just gathered to the side of the sugar house, we
will be above the level of the storage and can let it will be above the level of the storage and can let it
run right from the gathering tank directly into the sun right from the gathering tank level ground. it storage. If, however, we are on level ground, it
will pay to build a rise of dirt or timbers on which
to drive up and unload the tank of sap. to drive up and unload the tank of sap.
On the right hand side of the eraporator there
should be plenty of room to set syrup cans and pails should be plenty of room to set syrup cans, and pails
in which we draw off syrup for settling, and still have plenty of room to pass about the evapora-
tor. If we buidd a small finishing-off room at this side of the evaporator, it is much more convenient,
and we would recommend a room large enougit and we would recommend a room large enough to utensils, and in which to set the cans and keep them in store if necessary.
should both be made of metal and not of wood, as the wood increases the tendency of the sap to sour-
ness, and in fact the sap should not touch wood after it has left the tree. Tin is the best material of which to make the tanks, although gavanized
iron will answer for the gathering tank, as the sal iron will answer for the gat hering tank, as the sal
does not remain long in it. We have been warned time and again against the "see of gatvanized ressels, if the sap was to stand in them any length
of time, and particulayly against the boiling of sap,
in galvanized iron paflis. This hats been theradvice of time, and particulayly against the boiling of sap
in galvanized iron paph. This has been theradvice.
of all who have looked into the matter closely among our leading sugar makers and chemists. You never use a galvanized iron vessel in which to
cook any other article of food, do you No more cook any we toil sap in a galvanized iron pan
We now have oursugar homse built, the evapona-
tor placed in position, and the storage tank ready to receive the sap when it shall be gathered. and we
through the camp. A few years ago our leading with straight sides. Now they have almost unani mously adopted a bucket with flaring sides, so that they can be easily nested when packed away. We
strongly urge that sap should be gathered often, strongly urge that sap should be gathered often
even in small quantities, and should not stand any length of time, but should be gathered and boiled in quickly to make the best product. The only reason for a large pail is to insure against loss of
sap during a heavy run in the night time, or on the Sap darh day. Boiling should begin promptly upon the first arrival of sap, and the evaporator should be of sufficient capacity to boil away sap as fast as it gathered. kinds of spouts
in use than any other article of sugar making. bhatever you do use a metal spout. The oute two inches about where you are to tap. Then a
hole should be bored one or two inches deep, of a hole should be bored one or It is best to tap the
propert used. It
tree about two or three feet from the ground on the side most exposed to the sun, and, if possible, it
should be done at the point where the bark is fresh and runs perpendicularly. As to number of spouts to a tree, we would advise but one spout to a tree when covers are used, and, if it is necessary to tap
a tree a second time, Mr. W. I. Chamberlain's adtree a second time, Mr. W. T. Chamberlains ad
vice is good, viz.,: "To retap the old hole and use a larger spout." But if ng cover is used. it is a good plan to put th
side of the old one.
The tree tapped, spouts driven and buckets hong
on them, either by holes in the bucket or loops made for the purpose, we come to the question of overs. And here, perhaps, is one of the questions
which is most discussed by sugar makers, whether there should be covers or not, and of what material. we think a cover shordd be c'sed. If the majority are to be relied upon, and those
our best sugar makers, then covers must be used our best sugar makers, then covers must be used
in order to exclude rain, snow, dust, leaves, bark and insects, which are invariably found in the sugar camp; and then, many rightly claim that the sm-
light and atmosphere have a tendency to color the light and atmosphere have a tendency to color the
sap as well as to sour it. The best cover yet inThis, to our knowledge. is expensive, the price being $\$ 8$ per hundred. Various ot her covers have
been made and tried, but none which would keep been made and tried, but none which would keep
their place against the wind and still he convenient wheir place aghag the sap. If the backets are hung
whem emopt, this duestion of covers will be a trouble ome one, as we must have one which will allow entrance for the spout. If, however, the buckets hang on the spouts by a hole in the bucket, then
the cover which we would recommend would be a square wood cover with a cleat nailed on each side
to keep the cover from warping and prevent the to keep the cover from warping and prevent the
wind from blowing it off. Such covers can easily be made at home, or obtained from the nearest saw-
nill. There is an advantage in wood covers, as one side can le painted one color and the other side nother color, and each time a pail is emptied the which color at what time means an empty or a full pail, we will easily know in passing atong whethir
a paii has had attention or not. The cost of boiling a way rain and snow water gathered from uncovered pails often amounts to more than the price of the an inferior product. Now, then, the trees tapped and all ready for
peration, we start to gather the sap with gather ing tank securely fastened to the salp with gather
in the same way as you would a milk can out in the
wagon.

$$
\begin{aligned}
& \text { We have a double strainer }
\end{aligned}
$$

gathering taink it coarse and at it fine one of wion loth. It is a good plan to have the cap pass through
another fine strainer just as it runs into the storage another The syrup should also be strained as it is arawn off from the evaporator. by passing through inside of the straines.
of dirt and hold them.
It is not our intention to spak here of hoiling
Different evaporators require different atten-

 after the sap has been boiled to a syrup. Whether it shall be civeed or fisisher If it is to be cammed. the only cantion we would ng hecessary that they be expensive. but be sure they
do not feak and that thes hold a full gatlon. IV mge this last point. as there are cans put upon the
market which do not hold quite al galkn and here are others which hold ower a gallon. and we wish t
peak leads to shortage. deception or addulteration on strong point for the sugar maker is. pure mapht srup.
finishing of sesup. is is necessary to know whe the
ho sump is of the right weight. If tow thick. i
 standing. and if too thin, it will not keep wed. (1
the two. We perer the former. The thicknes cat
eacily be cold by drawing off a sallon and weigh
it. When of the correct weight it should be 11 pounds
when cold. (We advise cold canning.) A short when cond. in testing this will show that the correct point can be determined by the waxy flakes,
about three-fourths of an inch, which will hang from the end of the scoop just as the syrup reaches the right point. There are also sacchrometers upon the market which can be bought for $\$ 1$, which will nable the beginner to test his, syppose our syrup is otreliable as a scale. Now, suppose our syrup is ans: they must be full, so that there will be no air in them, and the air may be excludd entirely if the
an is held by its handle while being filled, not an is held by its handle while being fille, wet
allowing the bottom to rest on the table. We fill entirely, even to the upper edge of the screw-top, and
then seal with the screw-top before resting it on the floor or table.
ach can should be labeled for two reasons. The law requires it in most States, and it adver-
ises the coods. (Ne will furnish labels to our customers at cost.) The label should, however, invari-
ably read, "Pure Maple Syrup," or "Pure Rock Maple Syrup," made and sealed by (with the date place in which ther white with ink the date on which the can was sealed. If the product is to be finished off into sugar, it should be done at your
sugar house. Do not carry the syrup in for the housewife to. finish off on the kithen stove. We
have spoken of the finishing-off room under the head of the sugar house, aml. as the modern evaporator, tanks, buckets, etc., all fully justifiy the
expense that is put into them, so we find that it pays to have a separate sugaring-off arch right at
the sugar house, and a pan particularly for this the sugar house and a pan particularly for the evaporator is for the syrup, The syrup, directly a ater drawing from the evapor ator, can be put into this finishing-off pan and
stirred into finished sugar, boiling it until it beyins to grain. or it can be mathe muat crefer to finish into pails, as it keeps better than in small packages it has a fresher flavor than (anned syrup. Also srup may sour, sugar camot. Or, if to be sold as allowing five or six of these to a pound of sugar the haveamong from per pound when done up in thi way, but they grain it more than it is ordinarily grained, and take great pains in having it look nicely when sent to the store. The following sug-
gestions made to us a short time ago are well worth gestions male to us a short time ago are wembert have your siup of the correct weight : to have it
pure and clean : to have it properly labeled: and remember that it is a luxury, and obtain a goom
price for it prose of it. Work up your own private customers Right here we would urge, while we have taken, that no one caan make a success of sugaring with attention.
while gathering or in storage, or in the syrup in th evaporator, or after it is drawn off. Use every
possible means to keep out dirt. At the end of the season, and even several times cluring the season,
the pails and all utensils should be carefully washed with boiling water-particularly so the vessels in maker with whon we haw talked, in order to lear his experience, has said. " Yes, sir, clean!iness in all particulars is as important as any other point in apparatus," And as important as the boiling reading this, that we give you these suggestions and that we are the men who are making the boiling ap
makers.

Maple Sugar Making in the Province of Quebec.

Perhaps mo industry has undergone such a
change in the last few years as the making of maple sugat and syrup, so much so that the yearly prosugar, for ho sugar or syup cau compare with it as
a luxurv. I have oftein thongh how little we see. about it in the ADrocate a
Mr. Caston contributed :

 methods of the castern townships of the Province
of (Quebec. No doubt he has il different climate from buss amd secomd growth treses or he could The sizes of erapmators described in the Abrecite
There are humdreds such pans in use here, only larger and mate of tim. (Gatranized iron is a thing
of the past.) Oir twes are mostly the natural
 पnats of sapto make : pound of sugar. One-half
on two-thind of that anount from second growth will podnce a ponnd. The sap comes in runs of a
wis, we perhaps fwo or theed days, in whith time


have corrugated bottoms, exposing three feet or
more of surface to the fire to every foot of open more of surface to the fire to every foot of open
surface. The one we use for 1,150 trees is 10 feet surface. 42 inches wide, and $s$ has 120 square feet of
long
heating surface. The boiling is very rapid. The sap runs into the evaporator through a self-feeding regulator, letting on a larger stream as the boiling closing tight when the boiling stops. It would be unsafe, as we have only one-quarter of an inch of sap unsafe, as we have only one-quarter of and from the back compartment in a continual stream. This is settled and then poured into a sugaring off pan made of tright tin, and set on a is never used for cleansing, as it injures the color of the syrup. The
whites of four eggs to one hundred pounds beaten to whites of four eggs to one hundred pounds beaten wo a froth, and mixed with a quart of cold sap, will leave the syrup clear. A drop or two of sweet cream is put in occasionally to prevent boiling over; ; it is evaporator, so it will boil faster. After skimming, the syrup is boiled quickly until 220 degrees of heat is reached; it is then as heavy as will keep well. If
lighter weight syrup is desired, 216 to 218 degrees lighter weight syrup is desired, 216 to 21 degrees mometer in the boiling syrup. If sugar is desired, boiling is continued, but more slowly, until 242 to
246 degrees is reached the latter figure is very hard, for cake sugar, it is then removed from the harch and allowed to cool. After the grain forms it is moved gently with a paddle (stirring is avoided
as much as posible, as it makes it fine grain) until of as whech as possible, as it makes it tine grain) until of
the consistency of mortar, when it is put into scuare moulds of one or wwo pounds each; twenty cabic inches (or a cake $2(i n$. $x 2 \mathrm{in} . x 5 \mathrm{in}$.) makes a pound.
There are varions improvements going on all the time. The most improved spile only requires three time. The most inproved spile only requiresckee
eighths of an inch tan. The covered tin bucket is
fist coming into use. Some of the latest made evaporators have condensers, so the steam is rum of side hill, so that the sap may be run from the gather ing tub down to the takk. It is run through tank is made box shape, with a strong frame, an lined with tin or some such material, to hold severa hundred gallons, from which it flows to the evapor Haking good sugar. The quicker the sap can be making good sugar. The quicker the sap can the better flavo

The sugar season is of great interest, and nothing it. Sometimes there are several days between the runs. The product is from two to four pounds pe ree, according to the season.
Mr. Fowler sent us two samples of sugar, one almost as light as the best granulated sugar
other about the color of good coffee sugar.

GARDEN AND ORCHARD.

## Horticultural Notes

Arbor. Vitea (Pyramidalis) makes the best ever-
green hedge for the lawn. ise, I would like to see it.
Sow a few early peat as soon as the soil will do
work of such early sorts as Alaskia and First 1o work of such early sorts as Alaskia, and First
and Best, etc. If you have not tried any of the new dwarf
French cannas, try Madan Crozy. It is the best one yet introduced, brilliant scarlet, each petal
edged with gold ; it will bloom all summer it's as Marguerite Carnation will bloom in about foun continue to bloom the balance of the season: and if
taken up before frost injures them will blomm all
whe taken up before frost injures them "Th
winter in the house or conservatory. Th
the best new flowers offered by seedsmeln, Hydrangea Paniculata Grandiflora is, perhaps
the best fall blooming shrub for the lawn. It should he cut latk nearly to the ground every spring, as
the bloon cones on the ends of the present year
the growth, and when these start out from the hase of
the plant they are much stronger, hence give larger the plant the are much strong
blomin often a foot in length. If you wish to grow a few peaches for your own
use, do not plant (raw fords; they are not so hardy in the blosom buds as many other varieties. Try
Early Barnard, Hills Chili, Wager, Lemon ani Early Barmard. Wills draned sandy loans suits them best. A northern slope should be selected, if
posible.
Burpee's Bush Lima Bean is truly a bush Lima
 ripen only a small portion before frost catches them.
(irow a few early vegetables by sowing a few seeds in a box that you can cover with a pane of
glass a box ten byy twelve inches will hold enough for the first sowing of celery, tomatoes, lettuce and
cabhage. The hox should be three inches deep, cabbage. The hox should be three inches deep,
with two inches of any good garden loan, in which
the seeds should be sown in drills: water, and cover with the glass and keep warm. The glass will keep
the suil from drying out. and also retain heat.

venient length and width may be used to set the
young plants into. I use boxes twelve by twentyyourg inches, and two and a-half deep. These can be
moved about as required. A cold frame can easily moved about as required. A cold rame can easily place on the south side of the house. and cover
with any sash that may be at hand. A little ex-
perience will enable you to have vegetables in this perience will enable you to have vegetables in this way two or three weeks earlier than your neighbors
who wait until everything can be planted in the open ground.
Gladiolus
Gladiolus should be more extensively grown
than they are at present. There are so many fine than they are at gresent. There are so many fine
varieties to be had now in all shades of color, from rarieties to be had now in all shades of color, from
white to dark red and yellow. Plant ahout three or four inches deep in any good garden loam, eight
or ten inches apart, when the weather becones or ten inches apart, when the weather becomes
warm. No other bulb will give better satisfaction, warm. No other hulb will give bettler kept over for planting again the following spring.
Pruning mar be done this month
olum, cherry, grapes, currants and gooseberries plum, cherry, grapes, currants and gooseberries
Red and black raspberries and blackberries are Redter left until the new growth begins to push forth. You can then tell just how far to cut back are injured.
Currants and gooseberries should be grown on the "renewal" plan. Cut out old wood as fast as it portion of the old every year; shorten back about one-half in length of the new growth, and cut out
all weak shoots-remember always that the fruit is all weak shoots-remember aways that the truit is
borne on wood two years old. Grapes that were
left over last fall may be pruned now before the satp egins to flow freely
Planting Strawberries.-Anybody can plant a strawberry plant so it will grow for a time if the
weather is favorable ; but comparatively few know gust how it should be done to succeed in an unfavorable season, hence the cause of so many failures in planting that fruit. Perhaps no other plants re herry to obtain the best cesults, although any nethod is generally supposed to answer as they ap pear to grow so readily, and they will grow for
time with almost any way of planting; but later on in the season, when the weather gets hot and
dry, badly set plants begin to fail. They do not dry, badly set plants begin to fail. They do not
make any headway, but either gradually die or stand still until showery weather comes in toe stand of plants is not produced, hence the crop is not a profitable one. to planting too deep, not deep enough, or not spreading the roots and packing the soil sufficiently ameng them. Another cause of failure is letting the wind and sun dry up the plants when planting. scatter a little soil over them in the box or basket that you plant from. The plants will be injured in a very few minutes on a bright, windy day without
this precaution. My method of planting is as polled, mark off in rows with corn marker four feet apart. Take pains to have the rows straight: it
adds to the appearance of the plot, ind time is saved adds to the appearamce off all dead leaves and old rumners from the plants. Shorten the roots to
three or four inches. Keep them moist and where the wind cannot reach them while out of the ground. the roots without doubling them up. Take the plant in the left hand. place the crown on a level with the surrounding soi, spread the roots them, and press so firmly that by giving a cuick jerk on
soll break off without moving the plant. Best varieties are: Crescent Seedling, Bubach Wilson. Haverland and Wartield No. 2 . Of the newel
sorts: Beder Wood, Great Pacific, Lovett's Early not early), samuders, Wo
Middefielid and Parker Earle

## Experiments in Root Girafting.



## DAIRY.

The Babcock Tester for the Cheese Factory
The effect of paying a man who sends milk to a hese factory solely for the number of pounds of ferling of suspicion in the minds of farmers regarding the honesty of their neighbors and the fairnes make a foundation for a business so deep that the superstructure will not be threatened with disaster when such a feeling is allowed to prevail. It wil nor B for less than comes in his. If you can devise some method which will make a fair division, Yo
will eliminate suspicion. We have never found it needful to argue with fapmers as to the advantag of accepting and doing the right thing, if we could only show them how to do it and how it should be pay for milk according to its value at cheese actories and creameries, he will go with you. In making butter. it is very easy to frame an accurat basis for distributing the proceeds. The quantit the quantity of butter which can be made from the milk. If you add to the butterfat about one-sixt of something else Which sells at the same price a as much), what is the result? In every six parts,
five will be butterfat and one part of something inferior. Yet all these parts are selling at the price of
the butterfat. That sixth or added part is largely vater vet owing to its association with excellent hutterfat it will bring an equal value with butterfat. You have in cheese three main constituents certaing part of the water in milk has a value. I can sell some of the water at 10 cents a pound, if I things, gets acquired and accredited value by the ompany it is found in. For instance, I had a heesemaker once, who was an awfully untidy ore with his not make fine cheese regulties, and now he is cheesemaker. The last time I visited his factory it was as cod, smart, tidy wounan, and since that time, from being much in her good company, he has been
improved in like manner. You will never find a consumer of cheese finding fault with the water in cheese, if it is in good company. If you have too will go off flavor. But if the water is in its right place and proportion you will have a well flavored not deternintable cheese. The casein alone will making, neither will the fat; the water must be there in the proper amount. it is oniy when there is
the pro fat is a sutticient standard for valuation. We age of 3.86 . per cent. of fat. There was one large vat with two partitions put in, making three com partments. The milk from all the patrons was
tested and put into three classes: rich, medium and poor. We made cheese from these three. The poor. We mage for the rich milk was 3.80 . In the medium compartment was put milk averaging 3.6, and in the
third compartment was placed the poor milk which averaged 3.15 . These are the averages for nine day in each case. That is not a wide difference, but it was as wide as we could get and fill the compart
ments. The process of manufacture was uniform in each case. The richost milk in the last half of Tuly and the first week in August required an The average of the Province of Ontario for that se son of the year was over 11 pounds with cheese made in the same way.) The average of the middle compartments was 10.81 pounds of milk to a pound of pounds. In milk containing between three and four per cent. of fat the gain in the percentage of fat becomes more important, as in this case every two
enths of a per cent. of fat would give about threeconths of a pound of cheese additional per 100 pounds of milk. The a wrage yield of curedcheese per
$1(1)$ pounds of milk is indicated in the following table:
 It appears that the richer the milk is in fat, up to
four per cent.. the larger it the quantity of water of cheese without deterioration to its quality. In of cheser without deterionation to its quality. In
ordinary cheesemaking, where you have milk con-
taining four per cent. of fat, you have reached the taining four per cent. of fat, you have reached the
maximum limit, and beyond that you cannot inmaximum limit, and of youn that you cannot in-
crease the per cent. of wat will be retained rease che per cent do wot increase the value of the heese per pound.
I think that the the milk bet ween thatition of a per cent. of fat to
 The butterfat in some measure adds of the value of
the other constituents of milk. I believe there have been some prosecutions of honest men. I
would rather that fifty guilty men should go unponished, than wound an innoeent man who was
 yout:" but other again will say, "I anm imnocent

fof a man's milk according to its value and Secutions, If a man sends you good milk, pay him for it; and if he sends you poor milk, pay hium for foril the farmers qand nine tent ths of your patrons
 fore men to send poor niilk. For if aman can get the same , price for milk of poor quality that anather
 ferior milk. If the dairemen teep on peviziry for poor milk-even if it be pure-at the price of rich
milk, and then continute
 sriminate pooling of rich and poor at the same price,
then the poor milk will ye have with you a waves.

## POULTRY

Foultry on the Farm.
BY IDA E. TILSON, WEST SALEM, WIs
Whithin a marble dome contined.
Whose milk-white walls with silk are lined,
A golden apple doth appear A golden apple doth appear.
Steeped in a bath as crystal clear:
No doors no windows to belold
is Mrs. Barthievers break in and steal the gold." an egg. We all enjoy fresh eggs in winter-." prairie we want a are called, and, as children w, uld say, "we want a plenty." If however, hens and sleel poulterers would be satisfied to escape winters hard
work and let their biddies do so, relying upon the more easily and cheaply produced summer eqg.
But our hens are bound to eat carly and often, their appetites grow keen as rapidly as the air does, hence we ought so to select their food and prepare every-
thing, that we shall get proper returns for work which must be done anyway: probably, like other cometimes kept at a loss. A little in vestigation of methods where this is the case may
reveal an unsorted lot of birds. fed on a monotonous diet of corn and snow, roosting under cold shed diet of corn and snow, roosting under cold sheds, cause their owner thinks there is no mone in hens. I know of a hen-house so small, low and dark. that
a lantern is actually hung in it to light the hens to roost : and so cramped is it, they must all be turned roost of and so cramped is it, they must all ie turned There is really no place to lay eggs in, unless the hens mislay them, which they do aitogether. It is
said that celebrated theologian. Jonathan Edwards. who was a farmer besides, did not always recognize his own cows. Some moderns are as little acquainted
with their fowls, and these fowls, in turn. having with their fowls, and these fowls, in turn. having
been neglected or "shooed" and driven, can hardly apply to their keeper this well-known sentiment :It is evidently a case of little love lost on either side. to get eggs." Short, sudden, irregular fits of care will not induce laying in winter. Only months of faithful attention can prepare a hen's system for her
arduous work. Through rain or shine, heat or cold, arduous work. Through rain or shine, heat or cold,
in sickness and in health, those hens must be cherished. "Vigilance is the price of liberty," and also of eggs. In nautical phrase, there should he "a long puli, a strong pull, and a pull altoget her." The fewer eggs you obtain the more labor you must
bestow, and after long, earnest effort, never let at thought come of giving up and losing all your past toil, when your hens are probably just on the eve of
laving. Earn success, and it will abide. When we laying. Earn success, and it will abide. When she
does once begin to lay, a hen that has hat continued and thorough preparation will hold out well, like a dieted and trained athlete. It is true, in a certain sense, that an egg is the product of a day, for some food will, perhaps, cause an immediat" falling off. But, after all, an egg is not really made in it day: being rather the completion of proceses becun ichig
before, as the fomming pail of rich milk and hiv butter record come from a well-bred, selectedede vel-
oped cow. That little boy was wise who satil to a cackling hen, ". You needn't make such a fus. hiddy:
(ind made that eqg. you couldnt help but lay it.: The poulterer's patience and intelligence, working eggs, and whoever does of Providence brobluce the discouraged, or was born tired, is not autapted to
the egg department of poultry cult ure. Lats year, sickness in our family prevented me from raisins my own chickens. and I bought May pullets. Evidently they had not been tanght that laving would
be their buisiness. They came to me fond of corn be their business. They came to me fond of corn.
but unacguainted with and afraid of wheat. Mone meal, and such civilized dishes. Corn gives plomp-
ness, but does not build frames nor make strength. and such late chickens, though well-fed and large camnot get mature enough tolay till after the holi-
days. $P$ always aised Narch or $A$ pril broods for fall layers, but their first days were mostly passed
in a warm stable. I had abundance of old rag carpet and sacking for wrapping around coops at
night. to prevent those early chills so fatal tolittle chicks. I took all the chills myself. out so much at that bleak season. Next to early pullets for prompt
winter lavers come hens one and two years old. Good fuod increases not only number. but size and
substance of eggs. Take heed. however. lest matters be carried too far. Feges are hot a secrection lik, milk, saliva, etc., but laving is the reproductive pro-
cess itself. delicate and edansting. Biddy omme

or double selked. These seem to result from over-
stimulation, a second egg having been forced for-
ward before its preder ward before its predecessor was completed. By grain or strong food, and not enough too much vegetables and other things. I young man I knew declared that if he had the management of heus he shouldn't feed them a thing, and he would show
how weil they could do, too. I was reminded of that man who tried a similar plan with his horses. but when they got so they could live on two straws a day, they died. Some experienced poul-
terers do say., Never let a hen get fat "while others charge us to give biddy all she will eat. My opinion is, more fowls are half-starved than are over-fed; and when over-fed, it is generally on some one of food for his flock must find so much work about he scheme he will be in little danger of dressed a real fat, healthy hem which did not promise her proper quota of eggy. But, of course, generous
feeding, like everything else, has its limit, and I have seen hens so out of shape, so bagged down
astern with fat, that it was doubt ful whether they astern with fat, that it was donbtful whether we
could lay if they wished to. Human beings, with higher intellects, sometimes injure themselves prove gluttons, unless restrained: A variety of ood includes all kinds of grain, warmed in an oven craps, ground hos. meat, milk, every kind of regetable chopped, ray or cooked, beans, pease. hav.
and sunflower seeds. A neighbor whose hens havi and sunflower seeds. A neighbor whose hens have winter, due to a pail of warmed milk and a basket

## APIARY.

The Apiary.

## Allan pringle, selby, ont

Eitor Apiarian
De.ir Sir.
now to manage a few bees I have this spring. have three colonies in old box hives in the cellar
Thes seem to be all risht, and they have "plenty of honer to do them till the new comes in. As this is my first winter in the cellar, I would like to know when to carry them out of the cellar would like to get them into patent hives. Wil "ou please advise me through the FArmer's
Advocate, and oblige, AScBSCRIBER, Blenheim. Advocate, and oblige. A Subscriber, Blenheim. If your bees have plenty of honey and remain
fairly quiet in the cellar, leave them there till April. about the time the natural pollen appears on
the tres. This time varies according to season and ocality, in some places the pollen appearing in
Vaarch, in other sections of Ontario the pollen does not appear in backwardseasons tillafterthemiddle on April. If. however, the bees become restless in the cellar before March is out, and show signs of dysentery by spotting the hive around the entrance
it would be well to set them ont on their summer stands some fine, warm day togive them a cleansing flight after which they may be returned to the cellar in the evening, when they will doubtless then
remain quiet till it is time to set them out to stav When you carry themont, lift the hive from the bottom brand. and clear it of dead hees and other Cobris, and with a wing brush off all dead bees and mould which may be adhering to the botton of thi kinthess on your part as an intrusion, and begin to
puncture that epidermis of yours with what is somepuncture that epidermis of yours with what is some-
times called their " business end." blow some smoke among them from the end of a rotten elm stick, or he ernd of a "he-smoker," if you have one. Hat hive and combs, place the hive in position as it is to they are in from the eir general flight, so that no move that two or three bees can pass in at once
and leave the ent rance so contracted till they bexgin and leave the entrance so contracted till they begin
to gather pollen and honey so freely that they coug to gather pollen and honey so freely that they cloy
thengiwe them mone entrance room, and so on al they need it. Thereare two reasons for contracting the entrance in the spring. The first is to consere the heat, and the second is to guard against rol
bers. The usual style with the old box hives is to have twoor three holes bored in the front for en-
trances and another longitudinal cut at the bottom just above the bottom board: and these are usuall aft opern all the time of th any wonder that fre out or die from other causes : After contracting The entraces, potect the hive in some way from the leak the rath, cover it properly, and otherwise pro teet it from the cold.
Yousay you wish to get the bees into opatent
hives. You may do, this in two wass. You can eithe" "transfer" them during fruit bioom by turnupinto an cmpty box placed over it, and then tran fering the combis, brond. honey and all into the
frames of the . patent hive." puttine bees in frames of the "patent hive, putting bees ind with
them: or you can wait till they swarm. and then hot your wow swams into the sew hives. and in



VETERINARY

## Veterinary Questions

RETESTION OF THE AFTERBIRTH.
A cow gave birth to an immature calf, which healthy and strong. but never cleaned properly part of the placenta was taken away by force applied from the outside, but the greater part was fetid matter. This is one of the difficulties that stockmen must often have to contend with. How many other diseases. prevention is better than cure When the caif is fully matured and the cow per perfectly : on the other hand there is always a per centage of cases where cows do not clean perfectly,
and the placenta is allowed to rotaway, undermining the health of the cow : she loses thesh and milk
rapidla, and often turns out hopelessly barren. The proper treatment in these cases is to take it away br hand, in a about 36 to 18 hours after the birth of
the calf. At this time it will be found comppor the calf. At this time it will be fom compara
tively easy: the neck of the womb has not yet closed. The hand, well oiled, must be introduced into the womb, and the attachments separated one The procesi may he slow. bat is much womb this stage than immediately after calving, at nature has assisted and only requires further help,
If allowed to remain longer: the neck of the womb If allowed to remain longer, the neck of the womb
will hatee closed and the difficulty before stated has set in. Farmers are often persiaded to have re-
conse tonostrums of different kinds, but the above How Can Tuberculosis in Farm Animals be Mastered ?

After reading the lengthy letter by Dr. Mole. of comes necessary to ask the above question, and dery preon who has the intorests of his fellowalt for a moment and give the matter consideration. The statement is made in the aloweof this country (the Dominion) are affectell with the disease, and if that le true (nodonbt the statement is based on good anthority) it (erqathly is an alamhe health of all Her Majestr's sulijeets. In mi pinion there is only one safe way of effectually nent of such a law as will strike at ghe root of the
vil.
 may be of long standing before ang out wayd signs
 has to be the loser and has no bedres whatever. This heing the case a great many catase of meat

 Tiseased is not whe wome fond. if it were conked
ill Domilays The butcher can ill afford to losesmall profit or wages: and hats the mesent system In those who are slanghtering largety
 did not feed as she ought, so he Killed and dreseed
her forr mathet. providing she proved to lae right. But the imner protions of the meat were hadhy
diseased with tuberculosis. and had he heen dis honestly indined. three quarters wold have been
dresed and placed unon the market at a good price. for it wasnice. Ipon ascertaining the nature not collect a dollar frome the previons ownery If
the misetable pest is cerer to be motien rid of, the

 is a foregone conclusion he would make no idelay in would not rest till he hati mamped the last remains of tronble is known, and the very mildest fomm swept So long as a stock owner can diepore of animals

 amongst (amadiansavith great abam. If the eqforts



FAMILY CIRCLE.
A Hasty Match.
"Bless my soul! Well, this is singular :". Supposing the
ader may feela litule curious to know what it was that Mr. roader may feel a little curious to know what it was that tri
Gregory considered so singular, we will take the liberty of
grancing over the newspaper which he has just laid down, and
 Street. Jon Gregory was a substantial business man, resident in
the good city of Boston, $\mathbf{C}$.S.A., and was well-known on Change some twenty years since. Although wellitodo and
abund thaty abte to support w wife, forty-eight yearshad elapsed
and still he wasa bachelor. To tell the truth, there was very

 were laid for him by enterprising matrons who had large fam-
ilies of daughters to disposeof. IVed quielty in a modest house
for which he has been portunate enoug to ilies of daughters to dispose of,
for which he has been fortunate enugh to secure a capable
housekeper who understood his peculiar tastes.
Jaet Janet Compbell-this was the name of the housekeeper-
was of Scotch birt hand hineage, but had been brought to
America while vet a child by her father, who fancied he could America while Yet a child by her father, the fancied werld than
succeed better in building a fortune in the New .
in the old
Bless $m y$ soul !" ejaculated John Gregory. "Well, this singular: To think of its being my housekeeper, too. Tre may sa, before. Nonder how much moner she is likely to age - that what the notice says. I declare, Ive a good mind
ago soend see this Mr. Brief. Janet has not seen it, and I may
in in some sense considered her representative.
Acting upon this determination, Mr. Gregory his hat
und and cane and. with more than his usual alacrity, turned his
steps the tireetion of Court Street. He soon found himself in
the oftice of Mr. . rrief.

A small, dapper man turned upon him an inquiring look.
". Mr Brief ", sid John Gregor.interragatively.
T" The same, responded the little man.
 advertisement in this morning's paper
". In the matter of Janet Campbell?"
"Can you give any information regarding her!" asked
Brief with sudden interest.
"i think



Then son will have the goodness to inform mie. "robs the
















John Gregors thought a while longer, and a new and hapy
 this noney-and that is to marry her." John was a tiris startted by this though, but the longer he harbored it the more reatonable it seemed. ©he very young for
 ime. John Gregory went home to dfinner a little earlier than
 how particular he was, made her fecl a lietle nervous and tide
gety Howere to her surprise he ate his dinner without top
peariny to remark that anything wat out of trat He



Ancther sillence.
an How long have you been with me?
 urprise. "I am sorry the dinner isnt better cooked to-day.
but thinse semed to work contrary.



 in aidirabie ifieg












 on.t. is thiww, wanet. 1 find sonething in the paperer that Conernimer









Givenaway free of pos tage to the boy orgirl who sends in the name, accom panied with $\$ 1.00$, for one new subscriber to the Farmer's A d yocate This is a chance "child amusing curiosity. Printamusingerriosity. Print ed in colors on cloth to make such a perfect re-
presentation of a cat thirteeninche shigh, that many are deceived

## Our Library Table.

The Modern Priscilla," Lynn, Mass, 50c. per year. A liworkers mazine
take this
within the reach of
"ithin the reach of all. " Hep Hel nnum. Such a periodical must have an educating and enlarging influence upon all who read it. " L'Art de la Mode," New York, \$3.50 per annum. This bright fashion magazine is always abreast with ings of ladies who love stylish garments.
""Table Talk," Philadelphia, $\$ 1.00$ per annum. Table Talk is the best authority upon culinary and "The Cosmopolitan"

The Cosmopolitan" is one of the most readable of magazines; the articles well selected the illus-
trations always good. It is just the favorite for a quiet hour, or a railway journe
Things Defined, Explained and Illustrated, The horse (from a nervous man's point of view):
An animal that kicks with one end and bites with the other, and makes you uncomfortable in the middle.
ys (from agirl's point of view): At a recent pubic school examination for girls. one of the
tasks was an essay on toys, and this is one of the compositions, just as it was handerd in by a girl of twelve: "The boy is not an animal, yet they can
be heard to a considerable distance. When a boy hollers he opens his big mouth like frogs, but girls
ho hold their toung til they are spoke to, and they
answer respectable and tell just how it was. A boy
thints thinks himself clever because he can wade where it
is deep. but God made the dry land for every living is deep, but God made the dry land for every living
thing, and rested on the seventh day. When the
boy boy grows up he is called a husband. and then he
stops wading and stase out nights, but the grew up girl is a widow and kieps house. is an anttenal fromathat is remarkable for rushing lik is an anmathing whatever, and generally stopping
mad at nothere
before it gets there."

THE QUIET HOUR.
Lord, for tomororow wand its nects

Let me both dilikently work

Let me be brompt to do my will.
Help menomptrionowe seel-
Let me no yrong or ile word
Set Thun an anal poon iny lipx-
Cleanesenad receive min paning soul

Sos tor to momorow and it neeti
But keep mef. (ouide ne, hold me, Lord
Self-Seeking.-A Parable from Nature,
There was a murmur of discontent in the sea : a estless movement of the waves as therged and angry play.
. wards and forwards, forwards and hackwards day after day. What can be the good of it all? "
"I am sure I don't know," answered another, as it lazily curled itself over. "But it is very pleasant. or all that," and it shook out its white crest, which parkled and gleamed in the suligh
"Pleasant enough for you, no doubt, who care miration; but a slow kind of life for me, who have such capabilities for greatness within me; whose trength is wasted by this restless tossing, the sport of every passing wh, sullen roll onward.
simmed lightly over the waters. "A I amultired of ny life," murmured the wave. "Always the same, the opportunity." "It will come," replied the bird, "to those who make the most' of the present." And she flew swiftly onward.
"Present, indeed," returned the grumbler, "I
hould like to know what opportunities I have now."
whispered the thyself from the impurities of earth." "So shalt thou render thyself to the Giver of All, which is the only true greatness" sang the ray of "unshine as it darted from behind a clond. hecoming great, truly! No, no, I would be rememfamous in the annals of time for my strength; for
the mighty works I had wrought; I would be the mighty works I had wrought; I would be
spoken of in the ages to come as one who had per pormed wonders."
form had hitherto to be loved," repied a tiny wave. which bosom a summer shower.

Thick clouds covered the face of the sky; the thunder pealed, and vivid flashes of lightning lit up the surrounding darkness, whis the by the resistless force of the tempest, a ruckerles
vessel rushed helplessly towards the rock-lound shore. "Ha ! ha! now is my time; now I will show what I can do!" roared the wave, as, lashing itself
into fury it bounded wildly forward. "Now shal men indeed speak of my greatness as I hurl the very rocks from their foundations. billow we are saved", said the captain, as of yonder arm he supported his terrified wife, and with the ot her held the cradle to which his infant child was bound, but even as he spoke it passed
with a crash, the vessel was on the rocks.
"Oh, that I had been sooner!" moaned the wavelet, as broken spars strewed the place where the ship had been. "But I may yet save the child. And, gathering al its fo
crest
towards the shore.

Brightly the morning's sun rise on the scene of he night's tempest. Proudy the chifis reared thenselves, unhur of thery spray and foam upon thei rugged forms witnessed to the impotence of th wave's foasted strength. Far above high-water mark the sun's rays rested
lovingly on tiny pools, left by the receding tide up owingly on tiny pools, ant gythered them, one by one, unto himself. The wavelet's life was over; the
opportunity given had been seized in utter self opportunity given had death, and though unsough for, nuknown to it, the remembrance of the deed it had wrought lingered long in the minas of men, a they pointed to the sandy strip high up amid th
rocks, and told of the infant saved. -The Quiver

MINNIE MAY'S DEPARTMENT. Our attention has been called by a correspondent to the painful fact that on two occasions at least our prizes for essays have been awarded to a person
who almost word for word has copied the essay Who almost word for word has copied the essay
from a well-known work. We wish it were possible that there had been some mistake, but we hive made the comparisons ouselves and find there is no room for coincidence. Of course ideas must he gained in many cases from the writings of others, and properly selected quotations add much to the value of an essay, but we have no words strong enough to express our indignation and sorrow that our correspondent should be guilty of what is simp-
ly dishonest. In the hope that this may be a warning to the offender, we refrain from publishing any name, but frond the person offending we decline to
receive anf further essars. Our thanks are due to receive any further essays. Our thanks are due to
the correspondent from Little Rideau for so kindly the correspondent from Little Rideau for so kindly.
calling our attention to the matter. MINNIE M.

## Man-eating Crocodiles

Man-eating crocodiles of enormous size infest the inland waters of Ceylon, and their extermination affords sport for British residents of sorting
proclivities. These Saurians are so war and uick
that it is necessary to tempt them with a bait in proctities. necessary to tempt them with a bait in
that it
order to get a good shot at them. The ext raorder to get a good shot at them. The extra-
ordinary attraction which the sportsman is able to
hold out-thanks to the absenee of a seciet for the hold ont-thanks to the absence of a society for the
prevention of cruelty to animals is seen at a glance at the illustration. It seems that native parents are to be found whose confidence in the skill of the money consideration
hire out their offspring to be pegged down by theriversiae as crocodile
food. The imaneater seeing this tempting morsel within easy reach, makes a rush
through the sedges and
receives in his heart the receives in his heart the
bullet of the concealed hunter.
Between the gun and the crocodile the poor
youngster has an excit-
ing time ing time of it. What
would happen if the sportsman missed his
shot is left to the imagination.

Paper Pillows.
Our English cousins Our English cousins
going wist now to be ber paper "going wild over paper pillows. are made: You
thear the paper into very small pieces. not bigger than your finger nail, a pillow sack of dri ling ar light ticking. Ther are very cool for hot
climates, and much chmates, and much
superior to feather pil-
lows. lows. The newspapers are printing appeals for them for hoppitals sum-
paper is not nice for use paper is not nice for use, as there is a disgrueeable
odor from printer's ink'; but brown or white paper and old envelopes are the best. As you tear
them stuff them into an old pillow case, and you can see when you get enough. The easiest way i
to tear or cut the paper in strips about half an inch wide, and then tear across. The finer it is. the lighter it makes the pillows.

## Books.

Reading: Books: How many and varied are the associations which cluster around those words: Our first recollections of them, perhaps not alto-
gether pleasant ones. come back to us framed in by gether pleasant ones, come rome where we first latrored over the printed page and obtained the golder kes. which was, in after years, to be the "Open sesame"
to many a store of hidden treasure. By means of to many a store of hidden treasure. By means of and ideas in the arts and sciences. we are enabled to visit, in imagination, distant latds. famed for their natural beant or historical associations, athl
are brought in contact with men of genius. whose are brought in contact with mes of genims. whe ff eit upon our own. And then how it brings the
Past within our reach. (arlve puts it very forPast within our reach. (arlvle put it very for
cibly when he salys: In Books lite the worl of the cibly when he sats: $\cdots \mathrm{In}$ books lite the si,n of the
whole Past Time: the articulate, andible voicc of the Wast. When the body and materiad subitance of it has altogether vaniched like a dram. Mighty fleets and armies harbors and amenah, wat cities
high-domed. manvengined they are precious. great. But what io they become Igamemoms
the many, Agamemobs. Periclises and thein
 dumb, mournful wegk and blocks. But the Books
of Greece! There (ireoco. To wery Thinker. sill

ling as in magic preservation in the pages of Book:
They are the chosen possession of men Onallsides are we not driven to theconclusion that by far the most moment cans, wonderful here welow are the things we call books. Those poor bits of rag-paper with black ink on them from the Daily Newspaper to the sacred Hebrew Book what hav they not done, what are they not idoing:
The intluence of good reading cannot be ower
estimated, ats it contributes ao largels to the formation of character, and is a potent force in the advancement of all that is best and worthiest in our modern civilization. An incident which illustrates
this in a degree is related by Rev. E. E. Hale in the cosmopolition :

A certain woman, a hard-worked library assitcame for his books was foillowing along the poorest She thought, and thought rightly, that he had had enough of them. She called him. hehind her desk and showed him a handsomely iliustrated lrok of
butterflies. She asked him if he hat ever ceen apy butterflies. She asked him if he had ever seen any cutterfies or moths. and made him remember and
tell her about them. She asked him if he would not like to know more athout them. and , then
promised that. if he would bring some one coul promised that. if he would bring some one com pamon. she wonld let them see some of the elegantly
illustrated books which bore on that matter. When the little roughs came, she had ready for them
some of the tempting bosk which are now printed. ome of the tempting broks which are now printend
open to the caparities of children, and she started open the capacities of children, and she started
them on a new career. Aefore a great while" she had the pleature of seeing that they were them-
selves watching the insects which they could readily

UNCLE TOM'S DEPARTMENT.
What They Did in Pompeii.
Eighteen hundred years ago, life suddenly ceased in the streets of Pompeii. Many of the inhabitants escaped from
the shower of ashes and stones which Vesuvius dropped the shower of ashes and stones which Vesuvius dropped
upon the doomed city, but they left behind them hundreds of things which illustrate the familiar saying, "There is nothing new under the sun." Those old P'ompeiians were very modern. They had folding doors and hot-water uris : they put gratings to their windows and made rockeries in their gardens. Their children had toys like ours-bears, lions, pigs, cats, dogs, made of clay, and sometimes serving
as jugs also leople wrote on walls and cut their names on seats. just as we do now. They kept birds in cages. They gave tokens at the doors of their places of entertainment.
They put lamps inside the hollow eyes of the masks that They put lamps inside the hollow eyes of the masks that
adorned their fonntains. They even made grottoes of shells. They ate sausages and hung up strings of onions. They had stands for public vehicles, and the sch onolmaster used a
hirch to the duces. They put steppingrestones acros the birch to the dunces. They put stepping-stones across the
coad, that the dainty young patrician gentleman and the pursy road, that the dainty young patrician gentleman and the pursy
oid senators might not soil their gilded sandals It was nerer cold enoigh for their pipes to burst, but they turned their water on and off with faucets, and their cook shops
had marble counters They clapped their offenders into had marble counters They clapped their offenders into
the stocks: two gladiators were there for eighteen hundred years When the gladiators were there for eighteen hundreal
Whery broke they riveted it. At years
Heroulaneum there is a hange winee jar hal half huried in the
earth. It has been badly broken, but it is so neatly riveted earth. It has been badly broken, but it is so neatly rivetel
with many rivets that it no doubt held the wine kept as with many rivets that it no doubt held the wine kept as
well as ever. Thoso rivets have lasted eightepn hundred years: It is a strange thing to think ahout. What would Yeas: It is a strange thing to think ahout. What would
ihe homewofife have said if someone had toll her that her
: cracked pot would oatlast the Roman Empire :


He was Silent.
To a young infidel. who was scoffing al
Christianity hecause of Christianity hecause of
the misconduct of many Mason once said: " Did youeverknowanuproar to be made becaise an infidel went ast ray from
the pathe of moralit $y$ ?", the paths of morality?
The voung man adThe young man ad-
mitted that he hat not
"Then do you see," said "Then do yousee," said
Ir. N. "that by ex-
necting the professorsoi Cecting the professorson vou admit it to be a holy religion, and thus pay
it the highest compliit the highest compli-
ment in your power:", And the young man was silent, for there was
naught for him to say. Farmer-" Well. my man, how much a day
dovonwant:" Dennis - I shillin'a day an you
ate me or eighteen
pence at day an I ate

A MAN-EATING CROCODILE
Boston, were making their own collections. and in
short were started as naturalist, with a hobly wort were started as naturalists. with a hobles. Thl study than they had before." The request is so often made for a list of lunok-
containing suitabie reading for the conng that the names of a few are gea l here:
History. Bingraboy. Travel. The Work-of
Julian Hume Sulay Hume 1 Farme




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POETS'S CORNER.
First Prize for Selected Poetry
Elizabeth Akers Alian.
Nout Mrs. Allan, the authoress of the following Inabutiful poem. I can tell nothing but her name. Sut her words are assoriated in my memory with for $u$ uy time did tho hame and chithoord. for many times did that mother, now gone to the whones shore. Tock me step with that self
 motior- - alar and nist -
rock Me to Sleen

Ga,kward, 1urn back and. OTime in four Hish
Yake me a chiid datain, jut for tonight:
yont inr. wome back fomin the erholess shor


bawnard, fow hackard. ot tide of the sear




lians a nmmethe rach hat sown yren.
(owith twn wanng and pasiont pain




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Fair Beant ats all important meetings of such
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