## PAGES

MISSING

# ARMERSADVOCATE 

VoL. XXXIIL.
LONDON, ONT, AND WINNIPEG, MAN., AUGUST 1, 1898.
but the clouds have paseed away and the sun shines on them now. They are entitled to a little outing, and the fairs afford the opportunity of combining business with pleasure, Thereare many
valuable lessons to be learned by careful observavaluable lessons to be learned by careful observation of the resuits of the sk fellow farmers and mproved methoas by our can these be more satisfactorily studied than at the faire, where comparisens may be made. Who has not noticed that in many cases an animal seen at home on the farm and estimated as being up to the standard of first-class has fallon many degrees in our mental barometer when brought alogsae others of superior quality and more up-to-date in type and
quality. The fairs set the standard of excellence in quaity. The fairs set the stananer products of the farm, and no one desiring to be reckoned a progroesive farmer can afford to mies the opportunity they
provide for stuad ying the highest $t$ pes of nimale pand the mor suaproved methods of producing the
beat quality of products in all lines of agriculture best quality of pro
and manufacturee.
Canadian Bacon Capturing the British Market.
"There is no doubt," sald and observant Ontario man, who had just returned from a trip to the old man, whery with his fat cattle, to a member of the FARMRR's ADVocatz staff a fow daya ago, "that Oanadian bacon has caught the Britieh market,", This is evident from the fancy position held by the Canadian product on the weekly lists of quotations issued by old Oountry proviaion dealers, and from the increase of Canadian exports to Britain during the past ten yoars. In that suorr porilion dollars has mounted up from, about har in minn a jump of
per annum to $\$ 5,84,841$ worth in 1897,
 ably show another advance even greater. Oanadian packers are reporting a depreciation in the quality of Danish and Irieh bacon, which is ettimulating the demand for the Canadian product. Aes matter of fact, Oanadian hams are frequentily sold as English "Wiltshire"" Irieh or Danieh, by un-
scrupulous dealers, so that Canadian hog raliete scrupulous dealers, so that Canaaiian hog raisers and curers are not gee che
been the cage in trade, but which is being overcome by careful branding. But Great Britain imports nearly $\$ 55,000,000$ worth of theee pork producte, and last year Oanada sent lese than $\$ 8,000,000$ worth. We send England more than half of all the cheese ehe imports; our butter trade ie developing rapilily, and we know of no reason why our shipmente or bacon, hams, etc., shoula not th
least correspond with that of cheese, or reach the least correspona
vast sum of $\$ 25,000,000$ worth per year! Swine raising is the natural adjunct of dairying.
From some of our packers we have received warning reports that during the past three monthe they have been getting from some parts of Ontario too large a proportion of hoge that drees soft or "flannelly" pork, attributed by some to corn anc clover feeding. However this may prove, we agg
warn our readera, as we have done repeatedy for years past, to guard againot the wholeoale and uncleanly methods pursed by Western States cornfeeders, which result in big, fat carcaseses, and too often bring hog cholera in their train, a touch of which Essex and Kent farmers have had, to their oorrow, in years gone by. Stick to safe, succeeseful $\underset{\text { wit }}{\text { plans. }}$

Within a comparatively recent date we have witnessed the introduction and development of the bacon enterprise in the Maritime Provinces to the East and Manitoba in the West, while niumbers of new establishmenta, such as those in Collingwood,
London, and Toronto, have cropped up in Ontariothe old center of industry. We noticed a fow days ago that the Wm. Davies Packing Co., of Toronto. wore spending about $\$ 80,000$ in extending
works : and Park, Blackwell \& Co., a new corcern ande we are to late summer drouths, it is wise to treat the land intended for wheat this be prepared for the worst that may come.
THE FARMER'S ADVOCATE.

Tis TARMIBR'S ADVOCATTH
tate leadina agricultural journat in bis dolminoa
TAE WHLHAL WKLD DOMPANY Gomerno
 jon wiad wime
4 mispararime






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n the same city, were making a similar expendi bure, and will have a capacity of 1,000 hogs per day. The packers evidentiy have faith in the future of the trade, and in the capacity and intelligeince of the Oansaian farmere to produce the right sort of hog.
some time ago we published particulars of the esult of a trial shipment of Weetern Ontario hoge to the Armours, of Chicago, where they were
alaughtered along with a specially selected lot of light Western hogs. The meat was found of excel lent quality, very firm, and the fat perfectly white. It was "to people, to see the spiendid condition and fine appearance of the Oanadian hogg, and we feel sure feeding is the correct one We have seen ame eeary fine hoga raised in dairy districts, and we believe that Ontario is singulariy fortunate in this respect, having such a large number of dairy farme, These al waye bring good, heaithy pigs with a very Ane quality of meat. The Oanadian hog-raiser is way ahead of the American at present, at least in so far as the English market is concerned. The Canadian singed Wiltahires command a very high premium, and rank almost equal witt
Compare Chicago and Toronto prices on July 2. Ohicago, for best hoge, 94,021 per CWt , live weight; Toronto, \$5 85.
The Armour Packing Company on Raising Bacon Hogs.
Ina letter from the armour Packing Company of Ohicago, regarding a trial shipment of Canadian oge, which they state were all Yorkshires, cured by them, they add:
"Wo have oome to the oonolusion that the best breed of and Yorkshire sow. The food for the irrat four months of the plr's existence would mate really very little differenoe whother it be oorn or smaller graing. Howover, trom four

 of the opinion that the weikht of the hogs shonld not aile 200 poundes, nor do we think that more than six hoge should be tod together in a pen, as then there is no no row ding among begiven all the oomfort poesible."
The statement in regard to the early feeding of the pig being immaterial is probably the mostabsurd that has yet been put on paper, being without sup port either in scientific theory or proper practice. for a young and growing animal which than corn ceive such foods as skim milk, shorts, peas and the like, with some green food and exercise in order to develop a strong, healthy, well-fleshed frame for the finishing or fattening period. It is just such nonsense as the above that disgusts in telligent farmers with the scribbling of impractical men on this subject.

## STOCK.

## The Winnipeg Industrial Exhibition

 and bo an all-'round success, a great agricultural and induatrial foir must be progresive, and in reeviewing the viowing the great Induutrial Fair of Western Can-
aia for the jeer 1808 one is juctifed in comparing
 must be the universel answer hy all closeobservers.
 quality was decidedy superior. During the 1807 orcessive downpour of the last of June and first of July papeeared to harve exhhusted the waterypouts,
and instoad of rain the heat of a whole summer and instoad of rain the heat of a whole summer somewhat of a burden, did not interfere with the attendance, and thousanda from almost every part ng the week The arrangements for handing the rowds of fair visitors were so perfect that in spite of all the crusb, not one person was seriously in.
 gain a decided succeess, and the blending of Union well as on the persons of residents and vieitors, was a pleasing gand suggeotive sight. The platform attractiong climared each evening by a most tril-
liant pryotechnical representation of the Siego of Luck kow, were throroughout clean and entertaining,
and the horee races were very much better than


PRINOR dankarit. imp. (4037) owned by J. A. S. Macmillan, brandon, man
irst prize mature hackney stalion at winning; awerpgtakrs
 roved one of the mostand ture of the fair that should be made more of, as undoubtediy it affords one of the very best possible bjoct lessone of the development of the country and Bervea besides as a capitar ad
The juading arena for horses and cattle proved o far satisfactory, but is capabie of considerable ring is noeded; the live stock catalogue and numbering of the animals is still incomplete, but the enent in perfecting arrangements for next year The
The pelection on
jurange nents seems to have been most fortunate, and in spite of the inevitable dieappointment of de
eoated competitors, not one protest was lod against the decieions of the judgeesast record which may not be attained again for many a year.
To live stock exhibitors perhaps the most un leasant feature was the necessity for loading and hipping stock on Sunday following the fair. We rust some more convenient arrangements can be On the whol
was the most successful in its history and reflects redit upon the board of directors who so generously devote time and energy to the undertaking, manager, Mr. Heubach. upon whose shoylders the
brunt of the burden falls. horses.
To those who have seen the display of horses at the two
revious exhibitions, the horse show of 98 must have been isappointing in several respects. While there was a distince mprovement in the quaity of horses shown in several

sarroity of foed daring the winter provented farmen ftom
gotting their young horese into oond getting their young horras into oondition for tho shourive
ond they romained at home rather than oxhibit animithe
 beon reacheded, and ounfidently look formard to maximnom hem umber of oompo

##  Di. Griham S. S., of Claremont, Ont. Compared with ${ }^{3}$.

 yar, there mero only about half the pumber, but with bbezooption of "Sir Arthur" all of last your, pris wero shown together with some notycomers, prizo and interest Was takn in the jndgo's award, which gave t
prize to Tully Elder's "Prioce of Wales," a grand horse which ahows great improvement over his appoapne
of last your. While $\begin{aligned} & \text { little too small in the feet for }\end{aligned}$ of hat your. While o little too small in the foet for
Clyde, heo has ponty of bone and anbetanee, and curri
 "Krakin's Lad" is a grand horse as to legs and feot, avid
 imp.), ahown by Dr. Swinerton. Ho is one of the voternm
of the shoming. having ciarried off the sweepstater The showing , having gatried of the sweppatakeg in
Toronto in 1887 for the bet hores of any breed. $\mathrm{Ho}_{0}$ is
 sonted by only throe horses, but one of them, wwas repre ans lags, fat bone and plenty of it Olyde on the
 Mr. Masomillan on this latest addition to his stad. Ho in iittlo low in fleah for the showring, but is all the better not
to bo crowded whilo growing. Jas. MoLeod coaried good horze, witheoverand rough in in the "Pride of Balame, ofned by Jas. Hanturit ner of third prize, is
 stance. Two.-yerrold had only one reprean. tative, "Dargai," by
Prince of Wat
one owned by Jameo Roes;
an excellent toot.
No yearlings orhhibited.
Brood mates wero
represented, Them:

 Co., of Ponokk,
geoond atak
and third with Imo handsome maros. filly seotion there wore
 Owned by R. Roid.
Byerley. was a handByerley, was a hand
some brown mate of
 in the yearling glass by J. Thom soon, of Hamiota, and her
full sister was an easy winner in the foal clase 1 inare any

 section for sta
had a walkorer.
Shires were fow in number, but of good quality. The old favorite "Blacksmith," won firsti in mature stalliones
Ho is owned by the Rothwell Stud
Synd
 Neepawa, second with ". RIngmaston,." an oxecellent, (ood
horse, perhaps a little coarse in his hoof heads. WTr horse, perhaps a 1 litle coarse in his hoof heads. Wr.
Munroe also took first in the brood mare elass with "Plora," auroe also took first in the brood mare elass with ""Flora",
an extra good mare, a little of the Clyde type about the an oxtra
legs.
Draf
many se
 Wilson again showed a splendid lot, taklied. Mr. Di. T. yoar-old, first for yearling, seoond for fool, and sweepstakes ior bess mare any age, an extra good mare, Mr. Carturight,
of Ruseill, also had some exxellent exhibts, taking firit for


 a beatifal bay by Erskin's Lad. Dr. Swinerton took' frrst Firret prize for heany draft team in hanngess was moanthur.
Mact

 winner of the sweepstakes in the Chlyde elass. Albert
Lawson took second with an excellent team and the team shown by W. J. Stinson, third prize, also doeserves hoonor
 stallion and three of his get, "Golden Hero " again carried
off the palm
General Purpose Horses.- D. T. Wilson's mare "Gentle,"









 aridideg of thy prive in vis oplendidid thow D D. thejugere , eia hio

















 arge, fold of pood onens, in which then honors wero asasy nut


 ng class also bronght out some good ones, D. Fraser a Sons



 mod diver on bity wilamont, the other by Or rings par or mosj,whi
than uasal in most of tho gootion, and epacially litg in
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 distinguish her elf on the race traok. Several good young.

He is a marvellons'y oven, thiok-fleehed bull, with wonderfal quartors, lovel, well-fleshed bock, great width of
shoulder and depth of fore ribs, straight underline, fall heart girth and deep flank. His head is not perhaps as taling as it might be, nor is it set on the neck as smoothly as one would like, yet he is a groat show bull and no mistake.
Second place, went to $G$. Allison's Manitobe-bred Jubilee
Chief, a dark red and a bull that has thicened pp Second plaoe went to G. Allison's Manitobebred Jubilee
Chief, a dark red and a bull that has thickened up and
developed greatly since last year. Thind went to Mr. developed, greatly since last year. Thild went to Mr.
Greenway's Hillary, the aweeg stakes bull of 1895 . Three Greenway's Billary, the aweer stake buil of 1896. Mree
three-year-old buls faced the judge. Mr. Lister's roan,
Barmpton Chief, a son of Indian Chiof, got. the ree
 ronted bull, but soareely as well balanced as he shou d be.
Wm. Chalmere Hfifla, was 2nd with tho dark red AberWm. Chaimere Hayfied, was 2nd with the dark red Aber
deen 2nd, and Alex Morrison, Carman, 3rd with Sir Walter
Sid hoth Ontario-bred bulle. 3rd, both Ontario-bred bulls. The two-yoar-old olass was a stronger olass, containing
four really good bulls; lat going to the Greenway bull,
Judge, a light roan of Watt's breeding and bell of erem Our really good balls; 1st going to the Greenwey bull,
Jugge, light roan of Watts breeding and a bull of exoep-
ional meit ; a low-set, lengthy, levil holl with an wenl covered baok and loin, wide, lhickly fleshed quartire,
thighe highs and ham, standing well on his leg; a beantifal head
nd noek and bosom, his only fault perhapo being a alight
fatnese of atuess of fore-rib His $p^{\prime \prime a c o ~ i n ~ t h i s ~ r i n g ~ w a s ~ u n g ~ a ~ s u i g u t e b, ~}$ companion, Catithris, many rood judggee round the ring
failed to follow the decision, and we bolieve moet mon ailed to ive the decision, and we bolieve most men would
 hibitor, Mr. Lynch. The judge hatited for or breme by the ex-
ord prize, which on the hurst Srd, a rich red of Iarreel Groffo breeding; list in the the
two jear-old

 pieture to look at, but deficient in speed and osion. A large class of single roadsters in harot. T. F. Thompson, of Morden, took first with a beanatiful "Chestnut mare ; MeLaren Bros., Winnipeg, second handsome black by Wildmont; third prize "Cent to Dr. Rutherford's brown mare "Gleam," a beantiful Mimal which has never been passed over in the showring.
Carriage Horses.-The aged class of stallions was well represented by the old favorite "Knight of the Vale,
be nd fills the eye in every partionar, appearance, style and appears before the grand stand in the parade. G. Napier, "Basker,", of tha Cleveland Bay stamp. He gives every
of Anding "Banker," of the Cleveland Bay stamp. He gives every
ndication of developing into a grand horse, and may disindication of developing into anight of the Vale yet. The brood pate the honors with Knight ont call for special mention, unless we specify a handsome ches nut thown by James
Bray, of Longburn. in the three -yesr-old clase. In the two-year-old and colt classes some good youngsters were shown,
several of them the get of K night of the Vale. Pairs in harness was contested by only three teams, team of bays; Raymond \& Armstrong. Winnipeg, second with a speedy pair of good lookers, but more of the roasdster than carriage type. In the single cerriage horse class the red ticket went o Knettel Bros., of Borsiservin. who al of his get, "Knight of the Vale" and several handsome colts and afilies being yown; allo the veteran " $D$ D
young colts in poor condition.
Hackneys.-This class did not take long to judge, as
there were few entrien, and we need dwell only on Mr. J. A. S. Macmillan's "Prince Danegelt "imp.). by Danegelt, which took first in the four-year ood class. and substance, a dappled dark bav, with plenty ood mover. He was im-
spendid top and body, and is a goo
ported from England last year and makes his first appearance in the Winnipeg showring. He thould prove a valu-Thoroughreds-The display of this breed was large
sters were shown in the colt classes, and some of thom will
no donbt require an extended notice in a year or two, but at
no present we have no space to spare on them. large field which
The Saddle Class was represented by a kept the judge oocupied for some time ; finally the first prize
was awarded to Mr. E. G. McBain's "Dolly," \& handsome was awarded to Mr. E. G. rained; second to Dr. Rutherford's
brown mare, and well
"Souvenir," and third to H. C.MoDiarmid's "Biddy." "Souvenir," and third to
Only a fair olass as a whole. Only a fair olass as a whole.
Ponies were not ty any means numerous. but there were
some beautiful specimens shown. W. A. White took first for pony in harness, an alegant litt.e turnout. In sadd!: ponies first went to to
very pretty gray ; T.
W. . Dykes $2 n d$.
cattle.
The cattle barns were comfortably filled, and the several some falling off in grade and fat cattle, owing, doubtless, to the saarcity of feed during the past winter and apring. The single judge system, at a
noted, such general satisfaction given throughout the entir notass that not a protest was made. Mr. Thos. Russell, Exeter, Ont., placed the awards on the beef breeds, ad.
G. W. Clemons, St. George, Ont., on the dairy breeds. sho:thosns.
In point of numbers, quality and finish the "red, white
Several exhibitors that have come to be looked upon as fixtures were unfortunate y absent. By a lamentabie aciont, and consequently did not send his herd, to which he had made a number valuable additions during the year. Mr. Lynch's eight-year-o d Village Hero, a bull of immense scale and many strong points of Shorthorn character, was well brought out, and carries his age remarkably well or
bull of his weight. Hon. Thos. Greenway's Caithresp bull of his weight. Hon. Thos. Green has breeder, $\mathbf{A}$. W. Smith, of Maple
recently imported from his Lodge, and well known in Ontario showrings, proved too
much for all competitors, and was awarded pride of place. Eacr, in Roboon's a ven of strong com
 recently imported from his breeder, A. W. Smith, of Maple
Lodge, and well known in Ontario showrings, proved too
much for all competitors, and was awarded pride of place.
aged cow olas was called on even dozon heavily-fleihed
matrons lined up, Mr. Greenwey Showing Daiay of Strath.
allan 12 th
 and Begonit, a great conatoliation, seleoted from the crec)
herds of Ontario. The rioh red Strathallan of $C . M$. Simmon's breeding was "done to a turn," showing a marvellon wealth of flesh and yot carrying it with much aweetneess and grace. She was scoorded the IV d, aecond goine to Venity,
the beantiful roan daughter of Mr. Lyweh's Village Hero bred by iff. \& roan daughter of Mr. Lyyeh's Villoge Hero
bitht, Hay, Ont. She is thiek, emooth sud level, but perhaps, with not so much scale as the red. Third went to Lister's Rosebella, by Vire-Consul, a low-
down, thiok block string of good ones was thus left unplaced. In threc-yea $D^{\prime}$ 'ds there were four from the Greenway still and one from Lister's. To the former went 1ot, 2 nd and 3 rd on Freido,
(bred by H. \& W. Smith, sired by Abbotsford). A roan of great scale, wide, deep and frll of flesh, a topper in any ing. athick, smooth, low-set red, second; with Rcan Mrary. nother of Mr. Diyden's breeding, thiro. The latter had produced a cashr last year and was well along in calr egain,
nd was peraps the most useful looking of the trio and might have beon placed higher up with no injustice. This
left unplaced Listor's Isabelia 27 th , bred by J. D. Howden, good stright red, and Greenway's Mina Lass, a usefu), olds the Greenwhy herd again seored with last year'h frrst prize yearling. the red Gem of Athelstane, bred by Groff. Wheistruly a great heifer, with size, symmety and anish,
wealth of fleah, smoothly laid. a good head. gocd beforr, ebind and in the middle, and a nice handler. She was afterwards accounted worthy of heing erowned ehampion
femane. The blue tieket went to Tisters Rnby Hill Jrot a remarkably smooth, sweet red daughter of 10 th Crown

August 1, 188
 Mr. Grocon way; second to Rosebel bth, Esmooth, straight, to Violot, hast yoar's thind prize calf at Toronto, bred by W.
C. Edwerds and formard with Mr. Groonway's lot. There Wore loft two other awget heifers of Ed Earade breeding in
tho Groenviv oontingent, two of Listor, and two strong, calr oloss was hosded by a sweot red, Prairie Flower, by Abbotaford and out of Village Flower, from Mr. Greenway s
Proirie Home Frrm ; 2nd to F. W. Brown, Rosamond, bred by Jes, I. Davidson, and 3rd to another from the Premier's
herd. The other entries wore ruther ybung for the get went to Villege Hero, with the - Bull and two of his with the neet littlo cow Raby and her twin buli oalves by Vilige Hero in chass for cow and two of her progeny. For N.-W. T, Mr. Lieter got 1st, and Mr. Lynch 2nd, whilo Mr, tobse, The joung herd all under thos years went to Mr.
Groenway. The acony was about over and the antious look Greanway: Yalo's ficoo begen to melt into an oxpression of quiot sutiafaction as it dawned apon him that ho had suc-
coeded in scooping the pot for the Farmer Premier. He proogeded to range pp two mighty herds as a final puzzler
for the indge. Ho drow the color line, and sont in a solid red and a roan herd. To the reds the judge gave lst place.
They were made up as follows: Caithness, Daisy of Strathallan 12 th, Bridal Bello, Gem of Athelatane (the sweeppstakes awoepetalikes malo), Vanity, Freida, Roan Mary, and Jubilee sont into the showring from any othor herd in Amerios to Greonway carries out his present intention of sending a
pioked herd to contest for honors in some of the great showpioked herd $\frac{\text { contest }}{}$ for honors in some of the great show
rige the Western
States this fall it will cortainly prove a

## HERETORDS.

The compotition in white-ficess was very materially inot longer count on a walkover in this class. The new
shibitore were J. E. Marples, Delean; J. A. Chapman oxhibitors wore . Baira, Winnipeg, besides one or two
Berreford; John Baid
single entries. Sharman's aged bul Valentine headed the irrit olass called; John Cramm, of Pilot Nound, second witt
Protector from the Stone herd. Marples' two-year-ol Spotless of Ingleside hoaded this olass and was pronounced breed champion, He was bred by H. D. Smith, Compton Que., and is a smooth, evenly turned buil of strong Hetrefor of Eastriow, roeontly imported from the herd of D. M.
Wilson, Moe's River, Quebee, to head his herd. He is vory aseot, smooth bull, of good handling quaitity, good
hosa and beautiful horns. Sharman also had lst and 2nd on bull calves, 1st and 2nd on aged cows, lst on cows three
years old with Countess of Aberdeen, one of his heist numbers. In two-year-old heifors, Sharman's Peach, growthy, smooth, well brought out heifer, was given firs,
over Marples Daisy of Ingleside from H. D. Smith's herd,
The lattor was rather thin and not looking her best. Mr The lattor was rather thin and not looking her best. Mr
Mdrtles had forward one of the best things in the class in the first prize yearling Duchess of Poplar Grove; Sharman
and on Iasbel. The latter also had 1st and 2nd on heifer calves and the herd prize.
The oxhibitors of the polled blacks do not fash themoattle forward in just nice grass condition, but year by year the quality of the entries cmproves. The principal exhib tors in this class were: John Traquair, Welwyn ; A. Cum Fleming, Brandon. The two former sent in their cattle in ost shape, and got most of the prizes, Traquair having the male champion in the two-year-old Athelstane, bred by
Robort Hall, Griswo'd; also the champion female and the herd prize, his oattle having, more size and substance than herd prize, his crattle having more size and substance than
the others. Mr. Cummings heifer calif, Rosebank Beauty
3rd, was rofrred to ob the judge as being the most typical
Angus on the ground.
There was but one eachibitor of Galloways, Mr. J. A.
impson, of Poplar Point ; he showed one entry in each Simpson, of Poplar Point, he showed on
dlass, and made a very creditable showing.

THE DAIRY BRE
The black-and-whites were more numerously represented was missed this year. For several years the Ho surs hav Jersay oattle, but this year they had their innings and a
udge of their own in Mr. G. W. Clemons, the well-known breeder, of St. George, Ont. Six aged bulls responded to th call, and the judge, after carefully comparing the dairy indiMeroedes King, shown in very thin flesh, but showing a great network of milk veins, good ohine, thin thighs, and a
good skin. Second went to C . C. Castle's Ometta's Mink good skin. Second went. to C. C. Castie's Ometta's Min son of the first prize bull, out of Glennie's famous cow
Daisy Teak's Queen ; this bull was in high condition; and has previously been a winner.
In two year-olds J. T. Hutchinson, Hayfield, got 1 st on In two-year-olds.
Haydield Prince Clothilde. Wm. MoCay, Silver Springs,
2nd, and A. B. Potter, Montgomery, Assa., Srd. Hutchinson again soored 1st in yearlings and asso 3rd, and Glennie
2nd, all being bred by Mr. Hutchinson. In bull calve Potter's entry was 1st, Glennie's son of Daisy Teak's Queen
2nd, with Hutchinson's Parloa's Aaggie Clothilde 3rd. Glennie's aged bull was dec'ared champion male.
Ten aged cows lined up, and the judge was not long in
sending the red to Clonnii's Dais Teak's Queen; to this
cow dro wont the swoepstakes for best fomale, and the spocial for best dairy cow any purr breed or grade, the
judge prononcing her one of the best ows in America to-
day. The blue tioket wont to Hutohinson's May Abbekerk juge prononncing her one of the bost cows in Americs to-
day. The blue tickot went to Hutohinson's May Abbekerk,
aow showing good veins, ohine and skin, although het aow showing good voins, ohine and skin, aithough he to one of Oughtons entries. Hatohinson got 1st on three-
year-old, agranddanghtor of Daisy T. Queen, 2nd on two-
year-old, 3rd on heifer calf, 2nd on herd, and 2nd on bull and his got. Potter got list and 3rd on two-year-olds Oughton 1st on yoarling heifer; Glennie 1st and 2nd oa
heifer calves, lst on herd, and 1st on ball and two of his get. 1 Jerseys.
In numbers these famons little buttermakers were
hatrily up to previons yeurs. The herd of Mr. Bray ha ing been dispersed since last Industrial, was represente
in the herds of the Munroe Creamery Co., Winnipeg, an in the herds of the Munroe Creamery Co., Ninapeg, and
Mr
$\mathrm{Byres}, \mathrm{MoGregor}$. In the aged bull elass Mr. Byres Ro oer Pogis got the red; W. W. Buxton's (of Moosomin) Lord
Po tis of St. Lambert, 2nd, and Wm. Murray's Belvedere Po is of St. Lambort, 2nd, and Wm. Murray's Belvedere
3ry The two-yearold olass was headed by Jas. Walsham's
Met Jones hred bnil, Relvedire Signal M. Jones bred bull, Belvedere Signal, who was aftorwards showing strongly dairy indications, and is shown in extre
fint fit. W. V. Edwards, of Souris, showed a good secon
 Pride had a first prize yearling bull, with Murray s entry
2nil. Edwards' Souris Chief, out of Yankee Rosebnd, was 1s, in Calwards' Souris Chief, out of Yankee Rosebnd, was
1s nile lot of six lined up, the Munroe Creamery Co. getting
all the tiocest on Mantobe Ledy, Daisy Dean and Prairie Rove in the order named. Edwards' Yankee Rosebud, by Yahkee Pogis, was 1 st three-year-old, Duchess Malone 1st
two-yearold, Baby Malone 1st yearling, and Mayflower 1st caff. Munroe Greamery Co. h
Manitobe Layd and 1st on herd.
The Ayrahires held their own and Were very oreditably Bepresented with entries from the herds of Messrs. Steele
Bros, Glienboro ; Thos. Greenway, Crystal City ; Fellington fardy, Pomeroy; W. M. and J.
Ont.; and And. Mutter, Brandon.
Ont, and And. Hater, brandon. Stele's What Care I got
Forned the first trime in his history premier place, the judge considering that
turn turned down from premier place, the judge oonsidering that the Greenway entry, imp. Vietor, showed better veins,
thighsand skin. Smith's Riohard B, by Tam Glon, was 2nd. Greenwey had two entries in two-year old class-Surprise of Barnside, by Glencairn, out of Nellie Osborne, with a splendid skin, fine typical heend and strong dairy indications, and
Leo of Rookton, a son of McCormick's Sir Laughlin. These stood in the order named, followed by Mutter's Sir Park. In the section for yearlings, Steele Bros. had the red on Perfection, brod by R. G. Stacey, a typical son of imp.
Carlyle of Lessessock; 2nd going to Hardy's Saint Patrick. In bull oalves, Steele's Woe Willie, with good head and horns, aplendid skin and good veins, headed the
list, with Hardy's entry second. In the aged cow class, Steeles had three good entries and Mr. Greenway two; the former's Heather Daisy, of their own breeding, taking the red and afterwards the sweepstakes for best cow in milk. She is a typical Ayrshire, and had an immense udder of
good shape and fine teats. Mr. Greenway's Nellie of Roekton took second. In the three-year-old cov class, Hardy scored with two good, millky-looking oows, Jessie and Pride of Percy. Greenway's Lassie Jean, with a beautiful skin Nangood veins, hoaded the two-year-01ds, with Steele's Nanoy Hanks and hoo 1 and and in yearlings, and 1st on calves with Lady Diana, bred by R. G. Stace日; Greenway 2nd;
Hardy 3rd. Steele Bros. got the herd prize and also the Hardy 3rd. Steele Bros, got the herd prize
Dom. Ayrshire Breeders' special for best herd.
D. Fraser \& Sons, of Emerson, and Geo. Allison, Burnbank, were the principal exhibitors in chas class, and every antry except one by sharman, were grade Shorthorns. In
the grade dairy c'ass Sharman's Shorthorn-Jersey got first, with an $\Delta y$ yrshire grade seconn.
In fat cattle D. Fraser \& Sons had things pretty much
to themselves. Their three-year-old steers, Laurier and Tupper, and heifers, red and roan, were walking monuments
onat careful breeding and feeding will do for the ballock. Cliker, a fine two-year-old, will stand further feeding and will doubtless come ag
several good entries.

SWINE.
The accommodation for swine was increased by the addi-
ion of a building just double the length of that erected a year ago. This furnished ample room for anl exhibits, and during the excessive heat ; this oould easily be improved by replacing the close board front of pens, in part, by slats. A
judging ring adjoining the pens, floored and with railing judging ring adjoining the pens, fioored and wilh railing
round it, would be a great improvement. All classes were udged by Jos. Featherstone, M. P., Streetsville, Ont., and
his decisions met with general approval. Berkshires. - Although several well known exhibitors Wuality of former years well sustained. The heavy fighting
in this olass was between R. McKenzie, of High Bluff, and in this olass was Potrage la Prairie, while the Hon. Thos ntries in a few classes, with one entry from John Cram, Pilot Mound. Five aged boars lined up in the first ring,
called, they being placed in the order named: Brown' Tippicanoe, a boar of good scale, length, depth and even nespicanoe, a Greosways King Clere, a hog of good quality, with
ness
excellent legs and feet, but maybe lacking slightly in depth MoKenzie's Milton Lad, not as fresh as he once was; leavin under two brought out McKenzie's Perfection, a Baron Lee 4th, bred by Teasdale ; this is a young hog of great quality
with good length and depth. Proud Victor, another son with good length and depth. Proud Victor, another son of
Baron Lee 4th, bred by J., G. Snell. from the McKenzie
pens, stood 2nd, and Graham's O. A. C. 3rd. In the underpens, stoos 2nd, and had the winning number in the Teasdal
hog, Western Boy, with length, depth and fine Berkshire
quality, and bronght out in the perfection of fitting. Ho
was afterwards accorded the male championship of the quality, and bronght out in the perfection of fitting. He
was atterwards acoorded the male championship of the
reed. In this class Graham had 2nd on another of Teas breed. In this class Graham had 2nd on another of Teas.
dale's breeding, by Tom Lee, a Berkshire of something of the Tamworth type, and a boar that may develop into an
axtra hog of the bacon type. In boars under six monthe MeKenzie got 1st and 2nd on a couplo of Lady Bluff's pigs Miotor and Proud Ben, by Proud Victor, But three aged ows were out, Greenway's Snell-bred Kathleen, of great
length and extra quarters; MoKenzio's Silver Maid making a dose and ; with Brown's Highclere 3rd, the latter a mag.
nificent sow, but turned down by a defective udder. Sow, under two yoars contained the sweopstakes female in Brown' Coction, and good enough to win in any company; th and
same' oxhibitor's Alma, a Higholere, ranking 2ampany; the
ie's Painted Lady headed the under year class, with zie's Painted Lady headed the under year class, with twe
Higholeres from Brown's pens following. McKenzie's Lad Blaff furnished the 1st, 2nd and 3rd prize winners in sow ander six months, members of the same litter as the lst and 2nd prize boars of same age. Brown had the red on son
and litter on Highclere Fame, also 1st on boar and thres females any age.
Yorkeshires were strongly reprosented by something over
40 entries. Premier Greenway made the strongest ghowin 40 entries. Premier Greenway made the strongest showing, winnings were : lst on yearling boar, Yorkshire Bill, bred by A. Graham, of Pomeroy, who later on repeated his performanc of last year by capturing the diploma for best boar any age.
He is a lengthy, level, woll-balanced hog, with strong breed character. In the under year class the same exhibitor again an easy 1st on the Brethoor boar Oak Lodge Mighty 7th,
good hog in every respect, but may bo a trifle heary
houlder. Among the nine aged sows shoulder. Among the nine aged sows were some grand ol matrons, but Greenway'
famous sow Stamina, conld not be beaten. She is s sow of
immense soale, great depth and length, well-balanced, and immense soale, great depth and length, well-balanced, and
good at both ends ; she was also awarded diploma for beat gow any age. In this ring Mr. Greenway also showed 3ow any ago. In arkhand old sow of Pike's breeding, that for
Mive yaars in sucoession has captured the sow and litter priz five years in sucoession has captored the sow and litter prize
This year sho had ten strapping youngsters tugging at th maternal fonts, but the Maid did not get a place in the ageo ring, nor did another good ontry, Oughton's Six, from the
same pens. First again went to the Greenway pens on the Featherstone sow, Jubilee Queen, in the under two year class. First and 3rd in boars under six months went t sons of Markham Maid. The herd prize, boar and thre shire Bill, Oughton's Six, and two underway on York daughters of Markham Maid by the Diploma boar. Th open herd prize went to same pens on Yorkshire Bill,
Stamina, Markham Maid and Jubilee Queen, a strong com bination indeed. Andrew Graham, Pomeroy, made th following winnings: 2nd on yearling boar, on Clear Grit, o Featherstone breeding; 2nd on Snowman 3rd, under six
months, by Snowman on sows under six months, on pigs of same litter; 18t and 2nd on sows under a year, on pigs by Snowman, out o Marjorie dams; all of his own breeding. James Bray, Sonoman, and, of Graham's breeding; 2nd and 3rd on sowe
Snowman 2nal
nder a year; and 2nd on sow and litter Montgomery, scored 1st on aged boars with Montgomer Miant, a good; even hog with plonty of bone, bred by Bray In under year, 3rd on Brampton Paddy, and 2nd on aged
sows with Brampton Baconer. Wellington Hardy, Pomeroy sows with Brampton Baconer. Wellington Hardy, Pomeroy,
a new exhibitor here, won 3rd on the aged sow Primrose, a good sow very well brought out.
Chester Whites made a very
Chester Whites made a very creditable showing. The
old exhibitors in this class, R. S. Preston, Pilot Mound; $\mathbf{R}$. McLeod, Dugald ; Ed. Vance. Emerson ; and M. Onghton, NoLeod, Dag, werer reinforeed hy a new competitor in Mr.
Wood. McBride, Portage la Prairie, who succeeded in carrying
Wm. mm . McBride, Portage la Prairie, who succeeded in caryyipg
off several prizes in young pigs, 1st on boar under six off several prizes in young pigs, 1st on boar under six
months, and 1st, 2nd and 3rd on sows under six months.
Preston socred 1st on an even, strong-boned, well.balanced Preston scored 1st on an even, strong-boned, well-balanced,
aged boar, and afterwards sweepstakes on same animal; also 1st on boar under two years, 2nd on sow under two
years, and 1st on sow under one year, 1st on sow and litter years and for herd, boar and three sows any age. McLeod go 1st, 2nd and 3rd on boars under a yeat, 2 nd on boars under
six months, 1st and 2ad on aged sows - the first particr six months, 1st and 2nd on aged sows - the first a particu-
larly good sow, the second a great brood sow, though : larly good sow, the second a great brood sow, though a
trifle coarse about the head. She has produced 125 pigs in five years, not a bad record surely. McLeod also got 2nd
and 3rd on sow under a year. Oughton got 1st and diploma an aged sow, and a right good one she is, long and deep,
good hams, fairly light shoulders, and a nice head. Mr good hams, fairly light shoudderes, and a nice head. Mr.
gance's entries were not brought out in the best of fit, Vance's entries were not brought out in the best of fit,
owing, doubtless, to his very serious illness for some months ${ }^{\text {past. }}$
Tamworths.- In this class there were two oxhibitors, Prairie, who procured his foundation stock from E. H. H. stock was bought from H. D. Hallman, New Dundee, Ont. The Baldwin entries were of extra fine quality and of true Tamworth type, long and deep of side, nicely hammed,
light shoulders, with long, typical heads. He got 1st on light shoulders, with long, typical heads. He got 1st on
boar under six months, sow, under a year, and on sow under
six months. Mr. Bradley's entries were nicely brought out six months. Mr. Bradley's entries were nicely brought out,
but are hardly as uniform a lot. He Hot a number of prizes. Ont., had forward some good Durocs and got 1st on every. thing shown. Gillepsie \& Snary, Winnipeg, had a number
of entries. Their pigs were not fitted and did not make a very attractive exhibit.
Poland-Chinas were more numerously represented than
usually, there being four exhibitors : Messrs. Smith, Fairfieid Plains, Ont.; D. Fraser \& Sons, Emerson: M.
Oughton, WVod Bay; and W. L. Trann, Crystal City. Oughton, Wood Bay; and W. L. Trann, Crystal City.
The quality in this class was certainly better than it has
ever been. The Ontario herd was shown in fine finish and ever been. The Ontario herd was shown in fine finish and
contained several winners at the leading fairs of Eastern

Canada. Most of the red tickets foll to this herd on agod
boarr, boar under two yearr, boar ander one year, boar nnder boar, boar under wow years, boor ander one yoar, boar ander
six months ; Also, on aged sow and sow under year
 M. Oughton, new oxhibitor in this clase, hed forward
some good pigs and got rod tickets on sow under six months
 showed a four good ontries and seoured several blue tiokets. Any OCher Pure
 nearly all the prizes dor whion the list.
 Porthge Ia Prairio, on Tamworths; 2nd to Androw Grahog, Pomerof, on Yorkehires; with a pair of Berkshires of $\mathbf{R}$.
MOKonie's a good thirid.

This was one of the most disappointing departments of the show, and one of the pooresert pribibits of sheopep thans has has
been made at the Industrial. It is lamentable that so fow
 home patures, lot alone the shom ing. and asent forward soooping upa ilittle prize moneev whero no oompetition wopold soup ont of course, there were on fow notioasbio ercoeptions
bo these remarks, and these helped to save this dopartment, to these remarks, and those helped to save this dopartment,
whioh is housed in ono of the bess sheepp barss in Canade, from utter diggrace. Joseph Featherstone, M. P, Streets.

 but without any special fitting. Most of the prizes went to tho Moosomin flook.
Gamiey, Bran lon ; Duncoan Sindasir, Oakrille and D. D. $\mathbf{F}$. Proston, Glenowan. Murray got most of the firsts, but his flook were not looking as well as they have done on former ing and aged rams in niee fit and got lst in both chlassea and diploma on bhast ram any ag
only, W. T. Lytie, Beaconsfield, who showed full olaseses, Sondition. shoep and the best brought ont flock, that of JJ.A. S. S. Maestillanp Brandone ho doservodly won all the firtat throughout the olass on brought out, J. Oughton, Crystal City, showed a number of good, strong, susfinl entries throughoot this class, but
withont extra
Ontting. lass, P. B. McLaren, Clearwater, who has proviously shown in good condition, prosentod his sheep thin and
 ost of the rel ticked s. R. W. Jiokling, Carman, also e
 Ont., got most of the 1st and 2nd prizes thronghout this
clase, the only other oxhibitors being D. Fraser \& Sons, Dorset Horns were shown by Edward Vance, Emerson securing the prizes in olass for any other pure breed. Th
shoep $w$ were shown in very ordinary field condition.

Quality Tests in Experimental Hog Feeding
 bacon losing itia strong haity on please note : In a
by deterioration in quality
In ing, we have the following: "The quantity of sof and inferior product coming from reland is 50 to centr Yuan, of coursen must be amazed to osee the the
vast quantity of seocnds and soft bacon you are a prosk shippita us from Caneda. We have, ou Work cut out to find buyers for it at any price, , the complaints were very earnest and very general as
to the deteriorationin quality of an important per centage of the arrivals of Danish bacon. In many
instances buyers who had hitherto refused to hav anything to do with Canadian were induced to try tinental (Danish Unfortunately, Oanada ha missed reaping the full advantage of the most putting a large quantity or high-class bacon into
competition with this poorer quality of Iribh and percentake of soft hogs marketed which have made hundreda of bores weekly of sof bacon. Conadian farmerrs have fane
cisely the eame error as trish and Danish, and have failed in consequence to reap the full advantage
which would have been theirr if all the stock going forwa
cle on "Opportunitios for Investigation in Swine
Feedin" Feeding," when you state "A good many deliver-
ances have lately been tendered on this subject by anties posesessing little accurate information or experien "ce", but this much we know, that through faulty feeding Canada has maie has never in her history produced such a arge per-
centage of of sot product during the past three
months. All the "Points in experimental pig feed-

 to one Ottawa experiment), "Uniortunately no ro that do not give as an viltimate result of the experr
ments the actual quality of the meat cannot be ments the
treated seriousily The erxouedily.jy interesting article, based on a
visit to Mr. Freeman's piggeries in Oxford, has unfortunately, reemane pame ingeorciues ive oresult. if Mr tative export packer his hoge with some represen hii statement by adding that his hogs produceed
first-clase bacon of proper sized sides. You would frrst-clase bacon or proper aize
then have had a complate case. recommene inclined to think that the metho weaned (eight weeks old) they are turned imme an hour's delay" -18 a mistake. Altogether too large a proportion or the hogs which are being
marketed in Canada are finiohed when they woigh marketed in Canade are finighed when they woigh
between 155 and 165 pounde. These hoge, to which are olitizhed so rapidily generally have a our o for bions are concernest because th hoge forced in this manner, and have producea coen an undue proportion of atout, short sidaes
we have witharawn from the purchase of hogs in those counties altogether.
do not profes no pretense this is in okill in feeding. We that the best interesta of Oanada call for a max mum amount of best bacon hogs out of every journalis like your own ehould become fully ace quainted with the eharacter of product produced py crimm alarke service to the community by point
ping out resulte. Of all the matter on this subject nal of July 15th, only one practical hecon resit i attosted, and that is in a a trial made by Prof. Robertson with soakers routly whean . FLavelis. Managing Director, The W.
Toronto, Ont, July 19th.
Edrrontal Nors. The members of our staff doalera and export a packere thousand hogs for loo think that Mr.

 Whe favor alittil longer run in an orchard or plote grain feeding, till the last month, or oo, when they In winter fattoning, accese to a amall yard ii deconsisting of mixed grains.
Our correspondent complains that Mr. Freeman did not state that his hoge produced dros-liaas dealers, and the live hoge have been going for earrs, we undergtana, to leading paciso Ao he as been getting top prices, knew what was wantod and that the pige were
 Mr.
 f Elgin. It wbuld be interesting to know where hore is a territory that produces more good bacon ogs than that great dairy district, and were the facts known it woula probabiy be seen that aliarge
proportion of the hogs that have gone ot bilia ap
Canaak's bacon reputation came out of that very Canada's bacon reputation came out out ithat very
country
It may bethat the creemor its hoge have eean built up a splendia Englioh trace, and the Oanadian Packing Co., of London, Ont, which it
run on very strict Danish prininple; latterly out of part of the territory specified. We notices that whilt the "oxford and adjacoent countieg" hoge were getting the above rap on the nose the Toronto
market buyers were cutting prices 50 cents per $\mathbf{c w t}$ narinat the hogs from Esesex and Kent.
Our July 15thissue article on "Experimental Pis reeding gave the resulus on teeding in relation ${ }^{0}$ (1) animal health. (2) gaing from various foods nd mixtures, and (3) quality of flesh produced, the atter being aboutquarter of the articie, chiefly the with special reference to quality and the Britioh markets and "attested" by experts. The conclu sions were strongly againgt a a corn diet, The point numed may not concern the packer specially, nor the little coterie of politicical editors who lately ing, and who would deprive the long-depreseed cat tle industry of a greatly needed boon-freer access to J. S. corn, but they are important to the farmer,
being vital items in the cost of production. But qual. ty of product is an all-important point, and Mr. Fla vointed out in previous iseues, for accurate investi
gation with various foods and methods of feedins different types of animals, Given certain pige fed
in a certain way at our public experiment station
and the animals numbered, then killed and cured by
competent packere who know the market require competent packers wh inow the market require
mentit thoroughly, wo will have e effect traced dirrectly to cause, obtaining accurate and valuable date no
available in the ordinary course of the trade in arailable in the ordinary course of the trade in
which thouend oo hoge raisd on hundrede of
 our experimenters winl not neglect the opportunity

> Our Scottish Letter.

THE mehland and agricultural show. The most important event in the agricultural whow of the Highland and Agriciltural Socioty, the Royal, in the Shorthorn Eection animate of







 this year ware particularty meritorious, but the The hest femple at the ohow was alleo owned by Mr. Greham Stirlings, She ig known as Strowan
Marchiones, and not ony did sho lead the ooil
daras horself, but one of her daughtere was well
 jigotion the amande deat with thithbland, and righty or wrongly eppeciany dionge the tudge not seem to favor the
 bull, Edeonhall, way dethroned, and another Ballin. dalloch hanli, , ramed Proud Duke, secured the maid
dhampionship. Wao only placed third at the
Royal, but at Koleo wno promoted over the hear

 well rowaraed for hiong very mastive bill pamed

 mace piaged seocid at the Royil ond imt at the
wigbland. Mr. Adameon, of Careston Oastle.
 boil, named Ding, own brotiher it wemietare not, to Delamere the frit two. year-old at the Roya, Arehin,
were bred by Mr . P. Ohalmers, of Aldbar. Brech,

 Wlamis. She defeated al the bull as well an the other female winnerp, nnd is one of the hest tho?
year-olda exhibited for many a day. His Lordbbip
 gecond to that made by fow in its history. The likerthe eame quarity na the younger ones, but the stock na a whole reached a high nverage of merit.
Gallonouys are nsually neen to good advanitgo at the Highiand Society, but thio year somehow Che numberk were Joeak alniough the guality Dalbeattie, maintained his famill' reputation and stock exeol in quality, and ho is at once ge goed championship went to his two-year-old heifer Iret in four claseef out of six.
Highland Cattle are only exhihited in numbers. This year, as uubal, thev formed perthapi the mont the attention brestowed upon them, The cham-
hionalip of the breed went to the Duke of Atholi, K. T., Ior a tovo-year-01d bull which last year was
. Cond in his class. Another bull bred by His Grace was first in the aged elases, and the frst prize



were bred by him, although owned by others. His of Argylishire goens to agree well with the hardy tighiand breed
Ayrahires -The Highland Society is not the
bost how at which to see a large exhibition Ayrahires, but this Jear the quality was above the average, and the championship went to Oherry J. HicAllister, Mfí Ascow, Bute, sud Mesirs. R. of the breet, was declared to be the frot prize two
jear-old, Gigentic Stunnes shown by Mr. Robt. Jean-old, Gigentic Stunnés shown by Mr.
Clydesdales have ofter been represented in quatity been higher than at the Ehigherage Show of went to Mesed championehip in the male section
 of a good haize, and like a show horse all the time. The Eame owners were also firat in the aged class
with an excellent horse named Montrave Sentinel one of the most typical cart horses exhibiting at the present time. The firrt three-year-old horse,
Prince Thomase was both owned and bred in the County of Darham. He was bred by the Marquis
of Londonderry, and is owned by Mr. H. Webster, of Londonderry, and is owned by Mr. H. Webster,
a comparatively new fancier, who has had remark-
able success during his short carreer. He took first able succeses during his short career. He took fret
in two classes at this show, and last year had the
championship of the females. Mr. W. S. Park, championship of the remaces Mr. W. S. Park
 John Gilmour, of Montrave, for his celebrated daspor Oap in 1806, and has again won it. She is
althongh, ent their rame indicatee, orizinated in the border dijutrict the fact that thi prizee at this gained by othibitoro fic removed from the center
 Ot At threorhoor ram, named Challenge Cap, bred

 Lothin
Keloo.

The Flock at Weaning Time. According to thtod devioion of or beret ahepherde, as indicateon br their practice, Marchat or before
 of the lambe, as well as or theowes which have by the dime become of considerabsy and the frequent the ding by the lambs. The lambs, by more than
tuagraepending upon their dams for nourishment, do not assert their independence by seeking to get a iving apart from their mothers. It becomes at has the well-being of the lambs and their dams at beart, and not only separate them but provide the ccnand not only separate them but provide the ccn-
ditions and pastures most conducive to the well-
being of each. Weaning will result in less setbeing of each. Weaning will result in less set-
back to the lambs, and especially the younger memback to the lambs, and especially the younger mem-
bers, by accustoming them to a daily feed of oats and oil cake, or oats and crushed peas, some weeks
before weaning takes place. They will then have before weaning takes place. They wite then have
learned to look to the troughs as foster mothers, learned the look to the troughs as for soon adopt after the separation hae taken place.
The wise
back, so as to give them an evener, smooth and plump appearance, which makes them more pleas ing to but every owner of a pure-bred flock should be able to do this bit of dressing in a creditable manner.
Some sheepmen recommend and practice wean ing the lambs graduaily, principally to prevent in stocked with milk; but our plan has always been to turn them into a dry pasture a couple of weeks and
have them brought up, and those that need have them brought up, and those that need it
milked out two or three times a week till the become nearly dry, when a better pasture should be provided, which will soon show its effect in their improved condition. A shepherd who take a prime in his charge will go over the ewe flock an trim them into neat form, removing the more
prominent ridges from the last shearing and othe prominent ridges from the last shearing and othe unevennesser
ing to breeding ewes at this season, but the flock
should be got into nice thriving condition by the should be got into nice thriving condition by the
time the mating season arrives. There is no better time the mating season arrives. There is no better run in a well-grown rape patch, which not only tones
time.

## Selection of Rams.

The demand for well-bred sheep for breeding purposes has not been so good for many years as at the present time, and prices have reached a fairly satisfactory point. As usual, the best are moss sought alter, an more of good sires than can sheep. A pure-bred ram of strong character will make a wonderful imof strong character waility of the offisprirg, even

fihst prize winners in the shorthorn class at the winnipeg industrial, 1898; the property of the hon. thos. greenway

twice gained the Cawdor Cup, and her son, Mon- $\begin{aligned} & \text { lamb pasture to be ready to turn into at this sea- }\end{aligned}$ clave Mac, was second at of his daughters again were in turn second and third in the vearling class. The first prize brood mare, Mary Kerr, and the first prize two-year-old filly, Diamond Queen, were both got
by the famous prize horse, Prince Alexander 8899 , the first winner of the Oawdor Cup for stallions. Mary Kerr is owned by Mr. William Dunlop, Dunure Mains, Ayr, and the Diamond Queen by Mr.
A. B. Matthews, Newton-Stewart, and both were A. B. Matthews, Newton-Stewart, and both were
bred in the Girvan district. The first prize yeld mare was Mr. Webster's Lady Lothian, which last year won the C swdor Cup, and the first prize three-
year-old mare, Golden Belle, is owned hy Messrs. year-old mare, Golden Bele, is owned hy Messrs, a fine type of cart horse, who won the championship at Glasgow as a yearling. The frst yearling
filly was the unbeaten Maid of Athens, owned by Mr. A. Guild, and, like the champion horse and many other good ones, got by Baron's Pride. Altogether, the show of 1898 has been a most suc
one.
part from the individual animals exhibited, possibly the most important event of the week has heen the inauguration of a Flock Book Society for
Border Leicester sheep. These sheep occupy the same place in the sheep world as is taken by Shorthorns in the catcle worli. They are undoubtedy put to blacks a most satisfactory commercial lamb. It was high time the Border Leicester men pulled
themselves together and attempted the institution of a flock book, as there can be no doubt they lose to a large extent in the foreign trade from the
absence of such a record. These sheep will unabsence of such a record. hhese sheep wint world
doubtedly become popular throughout the
when their merits become as well known as they when their merits become as well known as they
are in Scotland. They are widely diffused, and
ble at this season, and answers a good purpose in sending the youngsters forward. Of course, it is wise to separate the sexes, ases, and thus prevent the best advancement of either sex. It is, there fore, necessary to have two pasture fields or a line
of hurdles to run through the lot to be used. Here of hurdles to run through the lot ope near the barn. is of great advantage. As it is generally desired to hasten the ram lambs forward as fast as possible, of feeds of grain daily along with the rape will cause them to grow rapidly and lay on flesh. A quart per day of oats, peas and bran, in equal proportions heavy enough feedin, except they are to be
quite hear
sent to the shows, when they should have all they will eat up clean twice a day. Free access to a grass pasture will afford
the flock contented.
The ewe lambs on fresh clover will grow well even with no grain adjunct, but a breakfast of oat: and bran, a quart for they are to be sold as lambs shearlings, or kept in the breeding flock. Fresh water should be provided at this warm season, even on succulent pasture, as the frequent drinks of mill It dams provily be stated that rock or loose salt should be within reach at all times.
Before separating the ewes and lambs all pure
bred lambs should have their ear labels put in, and their numbers entered in the private flock book along with the numbers of sire and dam. They when no doubts will be entertained as to their cor rect parentage. It is well, too, to go over the floc
with the shears, squaring their tails and taking of with the shears, squaring their tails and taking of
outstanding locks about the head, neck, breast and
from a very ordinary flock of ewer, and the continued use of a ram of the same class will in a ery few years raise the standard of the flock to one of uniform type and quality, if the young ewes hould bed and the old ones weeded and purchase he ram early in the season-two to three month before he is needed for service. The change of feed and surroundings, everything being strange to him, breeding but, in our opinion, largely accounts for o many rams being unsure for the first two or three weeks after being brought into a flock of ewes. If a ram is brought from a considerable distance, considerable time is necessary for him to a better selection may be secured early in the season before the stock has been culled, and there is generally much greater difference between the he third than the difference in the price may seem to indicate. It is well to act on the assumption that the best is none too good, if the price is within cur means, or is likely to be justified by als a cartroublesome to keep before the breeding season ar rives, but there is little ground for this notion. The ram lambs should be separated from the ewe lambs
in order that both may do well, and the stock ram may safely and quietly be kept, with the ram lambe, or, if these are sold, two or three old ewes intended
for the butcher may be placed with him for comor the butcher may be placed with him for company. The practice of changing rams every year
is not, as a rule, commendable. If a satisfactory is not, as a rule, commendable. If a satisfactory
sire has been secured, it is safer to keep and use
him for two seasons at least, and if his lambs are him for two seasons at least, and if his lambs are
extra good, it is wiser to retain him for breeding extra good, it is wiser to retain him ror bree with
with the older ewes, while a young ram is used with
his daughters, rather than let him go at an indif-

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ferent price, 'and trust to an untried ram for the
whole flock. It is well to hold the older ram if $h$ is satisfactory until you are pretty sure you hav
one as good
The principal point to be observed in the selec tion of a stock ram is a robust constitution, as
indicated by a broad chest, good heart girth, a short, strong neck, a masculine tures, he should have a proud, confident bearing be active and spirited, looking like "a prince among his peers, ${ }_{\text {among }}$ breeders as character. His testicles should be a good size and hanging loosely in a large and
well-covered sack, and in he has a determined dis position, all guality of his fo the quee as to finene density, luster and evenness of the staple on al parts of the body; avoid coarseness of the wool on kinds of wool on as many different parts of the che fancy points may have attention, but the ld be regarded as secondary

## FARM.

Preparing for Wheat Sowing.
Advantage should be taken of any opportuniowing to rains which delay harvesting operations, or to the possible lapse of time between the ripening of the various grain crops, to keep the
teams at work preparing the land on which it is in teams at work preparing the land on which is in
tended to sow fall wheat. If a summer-fallow has bsen worked for this purpose, and it is not too wet to plow to advantage. it is well to have it plowed and impacted before the wheat is sown, and in order to do this it may be well to roll immediatel after the plowing, and to harrow the surface freel in order to form the earth muich necessary to r to give the wheat a good start when it is sown. at any time during the harvest, from heary rain-
falls, the fallow is too wet to work, and the corn and root land is too wet to cultivate, a piece or clover sod, or even of old grass land, may with ad
vantage be plowed for wheat, but the chances for a good crop will depend very much upon the amount of surface cuitivation the land receive The plowing should be done at least four or five variably follow the plow the same day, and the harrow should follow the roller immediately, within a day after, the harrowing being repeate tion of the sod and to conserve the moisture in the soil. Wheat may be successfully grown after pea Which have been sown on inverted sod, and if the peas are harvested, and if the field is tolerably clean of thistles or other weeds, there is nothing to be gained by plowing it for wheat, but a better ways with a broad-toothed cultivator, well sharpened to cut all thistles and move the onil to the vigorous harrowing, repeated especiall $\begin{aligned} & \text { after each } \\ & \text { rain until seeding times arrives. The best time to }\end{aligned}$ sow wheat is just after a rain, and from the first to
the fifteenth of September is a suitable time in the the fifteenth of September is a suitable time in the later than this it does not have time to stool out and make sufficient growth to cover tie ground before winter sets in, and to get strong enough to
endure the viscissitudes of winter and of the chilly months of spring. Just before sowing, the land should be well harrowed, and if necessary to give it
firmness, it should be rolled before sowing. It should fe so firm that a team will not sink more than an be so firm that a team wit, Soil in this condition,
inch when walking over ith
firm below and loose on top, will hold moisture even during a very dry time, such as was experienced in as we have indicated, last year produced full crope of wheat, while late plowed and hastily prepared a poor start, went into the winter weak, and proved a poor start, went into the winter weak, an of good
a partial or a total failure. The selection of
seed is important. It is well to choose a variety seed is important.
which has proven a good yielder in your own and under similar conditions. Change of varieties had better be made on a limited scale until
tested on your own farm, and when you find a tested on your own farm, and what does well for you, stick that sort until you are sure of another variety that will do better, roper quantity of seed to sow upon an acre and a half is sufficent where the land is well prepaed, but no fixed rule can be laid doww.. Much weather. Five pecks may be enough in one case, and two bushels may not be too much in another. The quantity to be used depends upon thtoling
dition of the soil, the time of sowing, the stool
qualities of the particular variety, and the size qualities of the particular variety, and to be ob-
of the seed grain. The special points to
served in successful wheat-growing are to plow served in successful wheat-growtivg are secure a
early, to continue surface cultivation, sed
firm seed-bed with loose surface. Sow in good
 mothy seed at the rate of 5 to 6 lbs. per acre at
he time of sowing the wheat or very Boon after, he time of soming the whea
even if the intention it to sow cover In the gring, as for some reason the clover may not catch and
it ia better to have a crop of timothy than no gras nd no hay. If from a heary rain the land becomes packed and bated arter the seed to harow it freely to loosen
Te woul not hositate the
the surface and admit the air.

## Hints on Preparation for Fall Wheat.

The dry weather which occurred during the eason for rall wheat seeding last year has taught horoughly puiverized at once, with frequent calti.
gations up to seeding time in order to attract and ations up to seeaing ime int to ensure the prompt sprouting of the grain when sown. Land which was thus treated last season coninued drouth, to bring up the crop prompiy and venly, while land whica was plowed and lecl ying Without further working the crop protuced very uneven stand, and will not thresh $50 \%$ at nuch grain as early propared land. poseible after gathering of the crops have given besit results. If the manure is applied to the whent ropp direct, instead of the preceeding ono, 1 wouic advocate turning aftercultivation incorporate it with the, soil and bring it as near the surface ab Foiled and harrowed to thoroughly pulverizo the warde frequently stirred with cultivator or harrow, specially atter Biowers, an abuyaino an be stored to ensure prompt germing ion of tial
 ng tends to produce a cruat ir healy rains occur, and permitt the snow covering wourface, and also favors heaving by alternate freezing and thawing. believe an eight pace iana to bo suffciently widad ven when ain is thoroughly under to asoith sur face weter to get ayivy more rapidiy whilo the ground is frozen. trom one and a hali to two inches wo thint givei rom one ants, and one and a half buyhels of wellcleaned seed is ample for an acreityo much streed, for whatever seed is sown will invariably repro Red olawson promisees heavy yield thice oar, but taking it one geason with another wo beliovet yet
Democrat will hold its own with any varioty y Democrat Will hoid tis own wis by most threehert Whom we have converree with upon this gubject, Sowing about the 10th or Soptem ver has give ite ap pearance too late to be much injured by the fy, and yet ii sumficiently early to ensure a heavy wop
ELLIS F. Aveverins. before winter setts in.
Dawson's Colden Chaff the Principal Sort To the Ealtor Faramer's ADvooanz:
SIB,-Dawson's Golden Ohaff is the principel
 have proved good wheat. Though the aprin was unfavorabbe and mheat wow variotiled made hurt through April and etood thick with heery
upeeceptionally weil and
bead, but wo have not hai a beoson to thy the
 cause rust and smut been aver fallure or even poor, is due to the closing of winter ana opening oim spring, and where it is even light plant foo to
poverrihed ooil and not sufficent
W. G. BatDwn. bring it along.
Essex County, Ont.

## Fall Wheat After Peas.

 clover stubble in the epring, on which I draw and apre harvetted I plow an soon as posible, harrow,
and roll it, and if not fine enough, usiothd or twice on it, so as to get a fine seed-bed, and hav
 it early for hay; give it a coat of mandre, plow
and then use the roller and harrow, and if weede
 shallowifial, I prefer wide lands (about twent yards wide. . I regulate the drill to sow to the eppus
of two and a hatit to three inches ; profor to have the drill run north and south, hut cannot say that I have seen any material directions.


ties will probably surpass them in yield, My best
wheot this Year ita mixture of Reiliable, Dawson
 fall wheat stubble, on part of which was use Bradloy's fertilizer, about 200 ibs per acro. The

 over the fiold. The fertilizer was sown broadceas
before dilling the what From the 28 th before arilling the mheat from
to the 5 the of September $I$ find the beet time to sow and sow one and tharee-quartere buahele to the acre.
O. Bownimer. Co, Ont.

## Fall Wheat on Fallow or Pea Stubble. <br> $\mathrm{Sr}^{2}$-W0 wiually som fall wheat either on sum mer alolow or on pee atabble. If summer-tailow   ysuall aftor sowing pithough we aro not aur that it is beet to roin after sowing eapecilly apring it is oftom negloctod altogither, If nicely  dopth, from it to it buebele per acre, from nort better converod. Wo will sor Red Oiay ton, bu   ooon as pooaible aftor the crop in oirt then reavo with the sing le plow, ooving it a littlo thiok or thar  to ube : Epring-tooth coltivator the direotion the fild who plowed, followed with the finithing hay row, then, if neoceary, rolling; then oroes with now and roller 1 It gin goo order, we only use the finishing harrow to crooe it with, and not the enutivator but alwas neg cultivator and garrov Northumberland Co., Ont

Fall wheat Forty Bushele to the Acre harbow and roll mombittalit aftan tai

 cere, while others hive gone ove forty buohtled asve proved thoir superiorits, not only in sample, Golden Ot ito varite le agin proving its doupt Diwnons allother norte; Huteens tountit greeter varloty of soile than any othor, and yis ael roe ofrom rant , and Giant; the foter fill bo lan inely sonn agein thio
tor Dartion ialluren may mostly be aseribed to the
Partiol for
 eoile and agein, thono who neglected win ing and

 good top and a good root aro the strongeet proteo an one time, wit the fung ing attecked the blecto very so that it invere got firip outabinhed on the traw. Some folde or very heavg grain were b bady beeten
down by torme ot suck a tapgo of grown that dowey by sont poomility tump out plimp grain. These siorras, of courfee Are mifort tunes over which wo
have no control. Summing up, I wo can't grovis good cerop of fill wheat no ever has been grown have no eepecicil intect enemien to

 there ir encouragement yei, But do, Mr. Editor,
impress upon all the necesty of owing good be otoppod, or our good name will suffer in the
bivenool market. 1 n nome districts are to be ound fold matter fild onotemide or more rye. Every remored.
Mr. A. McD. Allan, of Goderich, Ont., Well Enown to tin older horticultural reacers of the


 fruita at the Indian and
don, Eng., a fow years ago.
$\Delta$ vaust 1, 180

Cood Crop Follows Cood Preparation. lst. Almost the only variety of wheat sown in
 The only objection farmers have to it is on account
of it not werghing as heavily per measured bushel sa many of the other varieties. 2 , Tad. The fall wheat is all goo this year where the land was in good heart and the grain sown in land sown last fall was very baily prepared and nothing left to make a crop this summer. Much of necessary fall growth that produces strong, vigor ous planta for the following gepring ${ }_{j}$ Jo. B. Mutr.

Cood Drainage and Rich Soil for Fall Wheat to tho Eallor Parmer's Advoontz:
two prime essentiale. First, you must have good you muot provide sufficient plant food in the soil to nourioh the plant during ite babyhood days. Now, precede fall wheat is one of clover, either meadow, pasture or Aleike atubble. Plow, early, not later thonough Iam one of those who have neerer been
convinced that it is all nonsense to get down to the subsoil. I was taught the old maxim in my early garda sleep, and youll have corn to sell or keep, and I alwaye remember this when I go to plow for plowing with cuitivator, harrow and roller, so as
to compact it well. As to width of lands, ithink yon need not be very particular about that, any Onvenilent sizz whut answer where arainage is good to the earee, about three incheo deep, and alwass up and down the engitudinal ilope of the field, be
ever so litle. For our latitude $I$ consider the first week of September the beet time to sow, and the variety boent adapted to this section is undoubtedly Dwwon's Golden ohait, with Genesee Gianta a goo described in this neighborhood last year, and they are, without exception, the finest crops of fal great many yeare It wrown be around here for
In
hen threshed thite to find per acre.
Perth $\mathbf{C o}$., Ont.
Destruction of Wild Mustard by Sulphate of Copper Solution.
In July 15 thh iegue of the Farmbr's advocats information iresiked by ma. Euscace Smith regardwith a viow to destroy the latter. Untill recently we have oeen very littlo regarding the treatment,
hut the Farmer and Stockbreeder of a lateiseue contains references to trials conducted on varioue crops with sulphate of copper solution at the Teech. from which we quote as follows: from About the midade of April a field of barley wail selected in which an abundance of charilock hie, under varying conditions of weather and or difitent period 6 of growth, have been sprayed with $1,2,4$, and 6 per cent. solutions of sulphate of copper appled
and 100 gallons per acre. A 1 -percent. solution
was found to be too weak to kill all the charlock; ${ }_{a} 6$ per cent. solution was found to be strong enough to silightly damage the barleg. Applied at escaped the spraying; 100 gallons was found to be far more than was necessary. A 2 -per-cent. solu-
tion applied at the rate of 25 to 50 gallons an acre tion appling aceather, and at an earrly period of
durowith, was found to be completely succeseful in deatroying the charlock withoutinjuring the barley is yellow with charlock. the strips thus sprayed are is yeirow free, and the barrey is growirg stronger and has a beitter color than in the rest of the fiefd,
there being no charlock to use up the nutriment of there seil.
the crops to which this treatment can be applied, no assumed that, if the necessity arises, any other cereal crops may be safely gprayed in the same manner. Ithan been found that peas, although
at first the spraying slighty injuresthong leaves, are in the long run quite unaffected, and
this method may therefore be used to destroy the charlock in this crop.
". With regard to roots, mangels were found to boe uninjured, but swedes and turnips, and some
other plant allided to the genus Pascioca, boing of
the same nature as charlock, would certainly be the same nature as charlock, would certainly be seem to be effected by the spray, but thistles,
though not killed, are blackened and stunted. "A convenient spraving apparatus is the 'knap-
sack strawsometer. Two men will be required, sack strawsometer.' Two men will be required,
one to spray and the other to fill the reservoir when empty, and it will occupy two hours to spray one
acre. From this the cost of labor in any locality
 useful:
Procure ground sulphate of copper (bluestone or
blue virrio , diseolve 2 he in blue vitriol; dissolve 2 libe in overy ten gallons o
water. $O$, procure a saturated solution of the
 one pint of this solution to to groillons with water.
Hovo to Spray - When onough with thay - ono hand to make mate pump hand wolk down the field suffcienty slowly to spray; every leaf receiving some of the liquid. to er this wrom be teenty-five to fifty gallons of the solution the spraying, or the fine spray will be blown off. The operation rain falling before the solution has been absorbed is found to wash it from the leaves and laeave the charlock uninjured. Spray the field,
if possible, when the charlock flrst appearr. At a Iator stage of growth, the charlock if ehielded by he crop, and may parity escape. If sprayed when the charlook is in flower, although the solution
does not adhere to the petale, and the bloom is not oes not adhere to the petalo, and the blom is not
directly injured, the charlock is suflciently damaged to prevent it from seeding.

## POULTRY.

## To Preserve Eggs.

When it is deeired to use a pickle in which to mixture will give good satisfaction when newly laid, , oound shilled stock is put in each day as laid:
Place 4 pounds of unslacked lime, 1 pound of salt, lace 4 pounds of unslackea lime, 1 pound of 1 nhen adance of gallone of boiling water, atir well and
then and
low the mixture to stand for two day, when it it allow the mizture to stand fortwo days, when it is
leady to receive the eggs. The vessel should stand oady to recolve the eggs. The vessel ithould btand nurbe. Thace whore it it in nite two inches of the liquid standing above the top layer of eggs. As
the water evaporatee, add cold water up to where the water ovaporates, and cold
Chickens Dying Suddenly--Lice the Cause, In our Questions and Answers Department of
uly $15 t h$ issue, we replied very briefly to $G$. $L$. Lamb's enquiry regarding a serious trouble with chickens. We regretted we could not tell just what wailwrong and just how to treat the riock aspe in which a flock was dying rapidly. The same trouble being found out, but recently the cause was discovered to be lice on the head. One or two appiche ons once, but we would warn those wh have charge of poultry against applications of to the chickens, but on the head it does no harm. It seems difficult to underatand how lice on
chickens' heads can result in sudden, fatal termi nation, but other results of lice infestation are as
difficuit to understand as the one we have named Bowel trouble in sum mer, drowsinese, refusal to
oat, slow growth, sudden death, gradual wasting away, constant crying, loess of graatherw on the in chickens. Brooder chickens never have lice and as a rule grow better than those with other poultry. Large inc young turkeys. Whenever a sick foul is found yusting itself it should be exam ned for lice. Many who understand how to get rid of lice do not believe their chickens are in
fested, and therefore do nothin for them not the little red lice seen in the poultry house that does the great damage, but the large gray
body
lice whic and which never leave the birds, that cause the serious rruire a diligent arearch to lo locate them. single one of these voracious fellows on the head
or throat of a young chick will sometimes cause the youngater to droop and die.
A dunt bath in a coloennly kept house will enable larger lice are not so easily disposed of. Ant the larger lice are not so easily disposed of An ounce
of carbolate of line in a haif bushel of
ory, fine earth, or fineir-siifted coal ashes, makes an excel lent dust bath, but under no circumstances should
wood ashes be used. To make a thorough job of getting rid of a bad every day for a week with kerosene emulsion hard soap in haif a gallon of soft water. When the water boils, and the soap is dissolved, remove
it from the fire, and add half a gallon of kerosen it from the ire, and ade
(coal oil). Agitate it with a spray pump for ten minutes, and a creamy mass will be formed, which
becomes a jelly when cold. Add two ounces of crude carboiic acid to the kerosene before mixing
with the soap. When you have finished agitatin the mirture, add five gallons of water, or boappsuds
from the family, washing, and you have the cheapest and besit mixture that can be made. Grease lice are sone with lard, sweet oill linseed oil or or
lit
liter butter. The nits as well as the lice must be de-
stroyed. Dust freshly-slacked lime freely every-
where in the neets, on the floor, walle, and orer
the yard. A good dry mixture is: slacked lime he yard. A good dry mixture is: slacked lime,
one peck ; tobaco dust, Hixo quarte, anc earbolate
of lime, one pound. Mix thoroughly, and dust
 liberally, into phene faethers of
well as throughout the house.

## Unfertilized Eggs.

There seems to be various opinions among
poultry breeders as to the merits and demerits of poultry breeders as to the merita and demerits or
allowing the males to occupy the same pens he hens, or in keeping malee with the fock the
 as he molestst them and disturbs their uuual placia-
itye Sore claim that the hens lay beter, patcoy
tet more exercise, because of the many calle of get more erarciise, because of the many, calle of
the male bird to "Come and see what a nice worm Ihave." Some think there will be no egge at all aniess a male bird is present, and following out this with a small flock of hens. The result is, usualls, very fow chickens. 1 might here add that I wualiy gives more fortilized eggs than does two or more provided the flock i in not confined in pens. 1 have,
come to the conclusion that it is not so much the come to the conclusion that it is not so much the
absence or the presence of males that cause the dir absence or the presence of mages that cas it ise the dir. "nreed of hens kept. Perhaps the al vocatee of the "no male" plan have active exere cisers, while thoes
who appove of numerou males have a haver
broed, which will sit in the shade till called to tood. From, wxperience I Ihould favor keeping male birds, for with a large flock of hens laying few eggs when
a couple of roosters were present, 1 iound, afterkill
 all agree that an unfertilized egg is better than a fer-
tilizen; but very few merchate, buyere, grocere or
 do not appreciatert the differenece., 1 find they wiil
dot pay one cent on a hundred more for guaranteed not pay one cent on a hundred more for guaranteed
fresk and unfertilized eggs than they oc for a lot of ordinary egrizized eghe forg than they they know, may
contain a germ which has already begun to decay. In speaking to a dealer on the question of supply: eggs are they," egridently considering vin of
 Would like to buy a crate of egge for winter use
when they are cheap, but 1 am amraid 1 could not pack them so that they will keep." I replied, "Get
them from someone who keeps no male birds with them from someone who keeps no male birds with
his flock, or unfertilized eggs, and they will keep his fock, or nnfertilized eggs, and they will keep
forever., She eqquired, "What difierence will that make," and when I explained that where
there was no life there could not be death and dethere was no life there could not be death and de-
cay, she said she had never heard of it nor had cay, she sid she had never heare of it nor had
evie thought of it before. The question then
arises, "How shall we educate the deal
 We know they are much nicer for eating egge ph We know they are much nicer for eating, oven
when new laid. Some writer has said, " $W$ here no males are kept tho hens are not so sinclined to hatch, instinct treaching them it is uselese,", This dooes not prove true in my experience, as I have had a hen
bring out chickens from a stolen nest about six weeks after the male was killed. Of course, that
was not an exception, but I have also had them was not an exception, but I I have alloo had them
 ea cuse of the propensity to hatch which is ex. ncouragement. Anons when they have the slighteent
 range, is the absence of those late flocks of chickens
which come unexpectedy in the late summer and autumn, just when we do not want themmer yet we hate to have then come out and get our attention,
and are of very little value when they are raised. and are of very little value when they are raised
Midra.
Midesex Co., Ont.

Summer Treatment of Chicks. Look out for lick.
Now that hot weather is here, and chicks pre-
sumably erels best means of hurrying them along-the cock-
elock, the pullets to the laying pens. This is more especially true in the wast this pensar
on account of scarcity of food supplies and consequenthigh of scicescity of food supplies and confor, and feep prooking out for, is lice. The direct cost of ifigting liec iis smanll, the indirect, if if eglect-
ed, is very heavy. At present we will consider that ed, is very heary. At present we will consider that
chicks have been well looked over; on the heada for large head lice, on necked oor lice ; in unally hound there, and fufferaxamined carefully for the thitevly
body lice, and all found clean. But do not be too body lice, and all found clean. But do not be too
suire that because you cannot see any lice that none are presenti. Youce knew a man offer a dollar apiece or oresl lice found upon his chicks a a well.
kept small flock of beauties. A mutual friend caught a hen, and astoniished the owner by shownumbers. Lice, If firmly brielieve, are the cause of He death of one-half of all chicks that die young. For yourg chickens hatched twenty-four to thirty,
six hours 1 have found nothing to equal stale bread soaked in milk and squeezzed nearly dry. I rome-
times buy the cheapest grade of flour obtainable, mix equal partst, by meaeasure, of shorts, and malke east forty-eight hours before it will be required least forty-eight hours before it will be required
They relish it and show by their growth that it it

THE FARMER'S ADVOCATE.
good for them. I vary this by means of a mash
made of equal parts of cracked corn and bran made or with boiling water, if possible using that
min whitent meat has been boiled. This is fed in a
in crumbly state, never by any meanc 10 ppy 1 alo use
two weeks or thereabouts 1 introduce cracked
the
Shate in a sieve until all powdered portion is out, then throw larger pieces into the grass and allow the
little flllows of rolled oats 1 discontinue its use at this age. About ten per cent. of all food after this is meat,
noarly always cooked, sometimes cut into suitable siaz p pieces, sometimes adhering to the bone, but
whichevar way it is fed, the mad scramble of the youngsters senows how they enjoy it. At this age when cracked or cut into quartiers is a most excelan old axe or hammer are also mucch relished. At
about a month old whole grain is givenbariey and oats. I scatter it well in the scrub, gexasept and weeds; now withdraw all baked food chicks are treated alike, but now the developing combs and tails indicate the serees. The cockerel are placed in comfortable quarters, and
upon corn meal, barley, boiled potatoes and meait not, however, neglecting some green feed. and hurry to markeot. The pullete are given froe range, housed in thx sumat Their food in the morning consista of a mash measure. At noon whole grain scattered around, appear hungry, a curther supply happy, contented, and tired. No hard and fast rule is posesible asat to quantity of feed to be allowed; so that they are appearance of their crops, 1 amo satisfled everytheir own green food. The well-known weed,
 every possible care of pullets, The numbers centage have diod. the rainy spell, a large percentage have died All. keop an sharp lookout for lice.
Red River Valley.

## APIARY.

A Skillful Beekeeper's System Reviewed.
Beekeeping, as an industry, or even as an adjunct to farming or other occupation, is not as general in a country so favorable to it as ours as an occupation for persons of leisure, but on a farm where the family comprises several members, few colonies would be found to give very little trouble, and furnish an article of food which woul be not only a relish bat a healthful daily adjunct of diet. Going farther, we may state from experience that after the habits of the bees are commenced to be underatood, and therefore become a source of real interest and pleasure, and if gone into on an extended and thorough scale, a means of conider-
able revenue. If one has the qualifinctions of being cautious, observing, and prompt, beekeeping
can be engaged in without fear of failure, and to perions who swell up and become seriously affected with the stinge, itmay bo some that after a few stings the system becomes inoc-
ulated againgt the offects of the poison, when a prod rom an angry bee beco
count than a mosquito bite.
atter, and needs ver of an apiary is not a difficult with. One handy with tools can make the hives and nearly all their attachments. how fuil instructions are recived, oril have to be picked up by experience and observation, so that to succeed in getting the most frow pay ani imobservation, percepp.en and many other necessary
porttant part
qualifications have assisted the very muccessful piarist and pres. T. Pettit, of Elgin Oounty, who now, at the end of twenty-ifive years of studious experience, is looked upon by the more a atranced
beekeeperio
of
Canada and the United States as one boekeepers of Canda the first authorities on apiculture. On July 20 hh we epent most of the day with Mr. Pettit, who, with his son, was busy taking of the lastof this Beason's extracting. This will be finished in a few
days, when the fine harvest of fate
and bections will be removed. By iobservation and conversation we gathered many important features or or to Pettit's syste
our readers.

Mr. Pettit, like most advanced bekeepers,
makes a specialty of comb-honey
pronuction. The proportion taken is largely governed by
the extent of the swarming, as new swarms are the extent of the swarming, as new swarms a
better suited to comb-honey production tha
those that have come out from winter quar-
thers. This year swarming has been under the average, and, as a reosit, MI, Pottit has only about upers. The spring is usualiy commenced with 75 to 30 colonies, which come out in vigorous condition
from the cellar. The hivee ued are of Mr. Pettitis own invention, having brood rames $\%$ inches 1 oep
and 142 inches long, and extracting combe 14 inches doep, and of the esime length as the brood framees. The hivea are built to hold 12 framee When the
beee are firat brought out in spring they are conbees are firt brought out in spring thay bloso fined to the brood-chamber until man commencee. Shailow supers are then put on, and the brood is ppread in the brood-chamber by placing the center reand exchanging for them the outside frames, which contain more or less honey. This is uncapped, ,o that the bees can readily remove it these combss when emptiod. This exchanged pooi tion of frames is only yafe when the bees are soff cientily numerous and strong to kleop tho outside commences, the strongeat colonies are given combsupers in place of the ehallow supers frrat pution, bu the otherre are given extraches supere each hola ing 36 sectiona, are put on, but when the strengti or the coionies and copiousness of honey-low wil warrant it, three gupers, or 108 sections, are put on have become filled or nearly 80 . At the time ot our visit nearly half of the comb-honey-producing colonies had three supers, which in moost calses con
tained about 14 ouncos of beautiful, well-capped thained about 1
extracting honey.
Mr. Pettit has his own method of taking on extracting honey. As ine the firrt time in the season, the six fulloest frames are selected out of each hive, and the remaining six are shoved to one side, and empty rames placed in the emply hitten on the back of the hive, and as soon as fuil and capped the other side is oxtracted. By this means the bees arenot delayed for a moment and the work of extrecting
is facilitated. This is the means adopped till the last extraction (which was in operation at the time of our vieit), when all the combs are exchanged or empties. 160 pounds per colony of extracted honey. Mr. Pettit has an ingenious and simple method of renoving ther frames, asis the custom sarily in the seanove, the hive cloth is stripped of just the width of on, down, when the frames are quickiy tirted out and
the empty ones placed in bofore the been have commenced to return. The cloth and cughion are replaced with very little diturbbance to the beee. ir tas a shake before the hive and then atood up at iven back of the hive till the cover is put on and they are ready to be taken to the extrocting room lost and loneeome, are owept off with a feother, and all is over in very little more than a minute,
with no with no commotiont no etinging, and by a large ex robbing. TThe extracting fict aine at once. The emptry frames last put on continue to re ceive a littlio honey thavin the coened, thout th the season tinile of September, when the supers, are all re midue. This is done throughout the whole yara
maven nearly as possibleat the in left uncovered and placed on the ground a fow and which is now covered with cloth wushion and hive cover. Thie gets the entire working popula
tion in active service carrying the honey into the tion in active service carrying the
brood chambers for winter stores.
True, a big commotion is eet up, but practically each swarm is attending to its own case, and no evil reaults from robbing or any other cause,
About the ond of About to see what stores are needed, end Foeding it
ined
roceeded with as it is deemed necessary. The proceeded with as it is deemed neccesarry; The food given coneits of four-irths granuated low each colony 30 pounds of stores for the winter

## low

some nice points in mr. pettits aystem.
 as well filled as those in the center of the super. Kir. Pettit has quite overcome this diffuculty by hive, and by raising tha front an inch and a quartor above the bottom or floor, by a weage on either he hive the full wiath, and compels them to walk lae hides or back of the hive, so that they always the case with the nith comb sections is to create a bee space between the outside comb sections and the walls by inserting a perforated
ivider held out from the wall by tiny blocks on divider held out from the wail bry tiny bocke o
wood a bee space wide. This allows the bees to

outside of the outside sections: Another advan-
tage afforded by the wide and deep entrance is the centiation and comfort afforded the beee espeprovented. The extractinghonoy hivee aro vertiated at the topat back, but no top ventiliation is Tfter a new swarm is hived, when it is necessary to
ford them comfort in order to commence them
 nently closed
Bettled
down.

 hamber and get the beee worting in the seotions ither side, are inserted but it requires the juad eent of an experienced bee-master to manipuiate Regardizng the capture of sucarme, Mr. Petuit alway keeps his queenr clipped, so that they aro not able to take tight with troe ewarm, but She is pirked up and placed in a cage which is the place of the old one, which in moved about soon an the iesuing swarm find their queen in not
oith them, they roturn to the old otand, but now with them, they roturn to the old otcand bution



SHOWS AND SHOWING.

## Dithbitions for 1808

 Trane Mivisipipitionht....Stunstoed, Rook
Taled ${ }^{\text {Thr }}$ State
Toronto Industria)
Non Yror, surrecas
Oio, Columbus

Eattorn, Sherbrooks
Netoct1f........
Moridiburf:....in

Now Branaviok, so Joilih.
By of Quinte. Bellorile.
Northern, Waikerton.
Rentrow.
Renfrow:
Bormanilio


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lonar, South Perth
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Barii................
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Oxford. Kemprille.



| Tara |
| :---: |
| Markh |

Now Westmina 'er, B, $\ddot{\mathbf{0}}$


(Nors-If Secrataries of Tair Boardo will send we detees







## CHE FARMER'S ADVOCATE

every summer, "hen it turps, in different direce

 gonerrll Zeooth nad thick znd mach more dene mose and thinner on the undar and monop proteect


 opleerming in continuelly bolng remored at the

 ared of tho . bimal Mhir may or may not be the matt part hereailty plays in atasing tho modint
 lion onily would in any ymy d

## Miscellaneous.

Sows Aborting
Subsoribrr, Oompton Oo., Que.:-"Will you hheir pige before their time of farrowing, say from of weere any disease in hogs to cause such to happen ? PIgs seemed perfect, half-grown in some capes, and in others not larger than walnuts. Is it
any weakness of boar? This boar is healthy, only any weakiness of boar? This boar is healthy, only carried from one sow to another? These are valuare?
[A bortion in the case of sows is not a very comhave not known it to becoime epidemic or concagious as it does in cows, though it may possibly one hard it wir he wise to isolate thoee which have aborted; indeed, if there is only one, it is well to do so. It is possible it may arise from some heen allowed to serve aborting sowe thus carrying the infection to others. This is a likely cause, in Which case it would be well to change the boar again for two or three months after aborting, or till they get into a healthy condition again, and to this end they should be allowed the run of the their strength, alittle good feed should be given
them in addition to what they find for themselves.] Clover, Ashes, and Round Silo.
$\qquad$ you two plants of the clover species which I would naturally, and I find it in patches around the fields No. 2 I find in a field of clover. No doubt the seed has come in the clover; it seems to be troublesome quantity of wood ashes per acre would you recommend for hay crops; how scattered; and what time of the year to apply? (3) There is one matter in connection with the construction of a stave silo
which I would like some hints on. If a stave silo were constructed of dry planke, when it wase filled would the moisture from the ensilage not cause the or more of the planks inward? Again, when on silo is empty prould the staves not shrink and
become loose p" become loose P"
[(1) No. 1 is Trifolium agrarium. It somewhat reeembes Alsike (Trifolium hybridium), but grows
to less size and has a silkier, more delicate, bloom. It grows from 10 to 20 inches high and flowers in
July and August. It is not objectionable in hay pasture, and should not be difficult to kill in ar
cultivated field. No. 2 is Medicle mon yellow clover or Trefoil. It is sometimes seeds, which grow in clusters and are about the size of red clover seed. It is a fibrous-rooted biennial flowering from May to August. It is not a bad plant in permanent pastures, but does not grow liberally and thereby propagates itself increasingly freely on almost any soil, but shows a preferance for those containing plenty of limews a (2) Preferance 40 bushels of unieac a goo dressing During per early spring, while the ground is still frozen after the snow is gone, is a good time to make the appli cation. They may be scatcered from a wagon or
stoneboat by means of a shovel if one has not access to a fertilizer sower. (3) The articles on
round silos in June lst, 1898 , issue of the FARMER's ADVOCATE partially answer the questions asked by
Mr. Manson on this subject. It is necessary to keep an eye on the bands for a couple of weeks after the silo is filled, and the nuts loosened if pecenks forcing in, but it has occurred that hoops have heen burated by the extraordinary pressure. A few turns of the nuts is all that is required to
prevent this. If iron blocks are used they are
inclined to draw out of true, bending the rods they become too tight, If scantling the form the
stays, the wathers drawing into the wood indicat a need of loovening the nuis. It is found necessary
to tighten up the bands in the spring after the to tighten up the bands in the spring after the sil.
has been emptied a faw woeks. This is easily done and prevents them or the planks from getting ou
of place.] of place.]
Bulldog Wanted - Bats in Summer Cottage O. M. F, Parry Sound, Ont:--"1. Oould you or
any of your many readers toil me where 1 could procure a pure or half bred bulldoge and conh prould be the price of as say month old, pup of the
same? 2. What could I get to prevent bats fro lodging in a summer cottage? Have been a grea troiblo in the
[1. A breeder of bulldogs has a customer waitin advertising columns. 2 It should not him in ou matter to render a cottage bat-proof by using ofreen doors and windows, and covering all place having experience along this line please reply to dais question.] Lumpy Jaw

INRXPREIENCRED," P. E. Island, asks if the prescription given for cure of lumpy, jaw, in FARM, now advised, or is an outward application pre ferred P The case is a useful sevenprear-old grade
cow, in calf, which six weeks ago developed that trouble.
faich in inarians generally, we believe, have more treatment efficacy of the iodide of potassium cation, but sierred to than to any outward appl reported to us fro very the application of the specif. advertised in the Farmirr's ADVOcams, eepecially
when used in the early stages of the disease. Sheep Hurdles.
R. MAgoNacite, Victoria Co.Ont:- "Could you or any of your readars give practical details as $t$ ing points: 1. What length is best, the fo height? 2. How many bars are used; at wha distance from each other? 3. Is a slanting diagonal
bar necessary, i, e, from top of one side to the
bottom of the bar necessary, i. e., from tha of one silae to the
bottom of the other? 4. What wood can be used is birch or ash durable enough ; and of what thick ness? 5. What thickness shoul
will cedar do for the purpose?"
 two inches high answers for sheep. 2. Four bars,
four to seven inches apart. 3. Oross stakes driven in the ground may be pare referred to. 4. Pine o cedar are light and durable and answer best. Birck or ash should last fairly well, if piled up an Five-eighths to threequarters of an inch would answer. 5 . End posts are not necessary; cedar stakes two by three inches should answer. Board mental Farm, and wire ones like Fig, 2 , page 132
Vol. 33, FAAMER's ADVOcATs, are being used in Yol. ${ }^{33}$, FA
their stead.]

Incomplete Creamery Statement. Patron, Middlesex Co., Ont:- "The following
table is a copy of a monthly statement received from creamery. Would you kinindly criticise it,

| Statement. |  |
| :---: | :---: |
| e, of Muk.................................. 3.707 |  |
| Lbe of Yat. | 18\% |
| Price per | 1430. |
| Total | . $\$ 1795$ |
|  |  |
| Cheque | $\begin{array}{r}\$ 617 \\ \hline 1178\end{array}$ |
|  | 81795 |

[The above monthly statement is complete, so Unless the mill were sold outright to the manufacight to know how much butter was mation has a he milk, and what price this butter sold for, together with other details. It is not the wish of the riter to stir up strife or discontent among parrons of creameries and cheese factories, or cause oos think that some manufacturers treat patrons as if they were not worth the trouble of furnishing except where the milk or cream is sold outright, the milk or cream and its products belong to the patrons and not to the manufacturer. He simply ime, and at certaintimes-monthly is convenienthe is expected to render reasonable account of his stewardship in a manner which patrons will easily to page 239, Farmer's Advocate for May 16th,
1898, for a suitable form of monthly statement to used in creameries. It may be moditied to suit culairs.
H. H. DEAN or it may be shortened in some par
H. Daisy Dairy Dept., O. A. C., Guelph.]

## MARKETS. <br> FARM cossip.

## Maritime Provinces.

Dr. Wm. Saunders, Director of the Experimental Farms,
per has jast raturaned where as very promising, although somewhat niversally heavy, and the ceroals and roots are every where vigorous and healthy, with a promise of abundant retarns.
On the Experimental Farm at Nappan, N. S., hajing On the Kexperimental Farm at Nappan, N. S., hasing
was in progress and the crop was very hoay. Some fine fields from the uplands were aready cut and che hay saiely ust hoading and all looked very healthy, with an exoellent color. Poung ropidly. Field roots promise remarkably well.
giowiog
The outlook for a good erop is promising in every direetion. The apple crop in Nova Scotia promises to be a mueh lighter ono than was expected. Athough the trees bos
somed freely, the fruit has not set well. Some varieties however, are yield.ng very farrly. Small frults are producing well.
In the eastern townships of Quebee haying was well
advahoed, and the crop being rapidly saved? The weather advahoed, and the crop bieing rapidy saved. The weather
was exceellont and the yield abaudant. The orops of grain throughout this section also looked remarkably healthy an were just hea ling.
Ottawa, July 16th, 1898.

## Crops in the Northwest and British

Favorable acoounts continue to be received as to the crop prospects in Western Canada. Recent roports received superintondents of the branch farms are most encouraging
In Msnitoba in the early part of the season the growth was retarded for want of moisture ; but copious and timely
showers since have brought on a rapid growth. Daring the showers since have brought on a rapid growth. Daring the pass fortnight grain has made seasonable, and the soil in a favorable
has boen ware and condition of moisture. Wheat, oats and barley are all
well headed. In some districts in the north-west and woll headed.west parts of Manitobs the general condition of the grain is soarcely up to the average, but in many othe sactions, especialy in the large wheat-gro wing distriots eas
of Brandon, inctuding the plains about Carberry and Portage of Brandon, inctading the plains about Carberry and Portage
la Prairie, grain looks remarkably well and promises heary retarns.
The dry wea $h$ in in the early part of the seoson has now growing very fast.
 season was dry, but timely and abundant rains have given favorable conditions of moisture, and crops of all sorts ar
now making a healthy and vigorous gronth. The grain crops ha boen very goo country for the past who peass the outlook for agr.culture in this part of the Dominion is most promising.
or the hay erop is reported as very given a heary yield. The grain crops in most districts are hoalthy and vigorous and give promise of satistactory returns. Roots and fodder crops are also growing well. now produced, the crop of plums is very hesty. The season now proencouncrally favorable. The apple and pear trees
has been gener
blossomed very froely, but the fruit has not set very well, blossomed very freely, but the fruit has not set very well,
and the crops of these fraits will probably be below the and the crops of thase fraits will probabil
averago. Small fruits are producing abundantly.
Ottawa, July 21st, 1898.
averago. Small fruits are $p$
Ottawa, July 21st,
1898.
oxford County, Ont. We were favored with most delightful haying weatherand we got the crop savo as from loss than 12 acres. We trust that some of the dealers and exporters will look out for a foreign market for our surplus hay, for in our neighborhood it is of gitt-edge quality and wow in berns and stacks, hare. the threshing machines are commencing their work at 10 a day. Wheat and barley are both generally good. Some expect their fall wheat to yield s bush helped the rrots and pasture very much. Roots are gonerally doing well; heard of one farmer who had mangolds four inches in diameter at the middle of the present month. Corn
generally is good, but is tasselling out earlier than usunl. generally is good, but is tasseliar ance, and we have been
Potatoes have a splendid appearand using the new crop for ten days and they are fine in quality.
Cows are milking faily well, but cheese doese not rise as we
 been doing well and are selling at 4 . lbs., that was dropped abont the first of May. Some of the grass-here generally going off at from 4e. to
like to buy by the lump. Farmers are commencing to plow
sod for fall wheat when they haves spare day with the team. sod for fall wheat when they have s spare day with the team.
The farmers are very busy and day-wage men are trying to get from $\$ 1.25$ to $\$ 1.50$, whee been very plentiful and are
for some cheap, selling at 4c. to 5c. per lb. Live hogs are bringing 5c. per lib., bat there will not
stubble fields are cleaned up.
stubble fields are
July 22,1898 .
Canadian Products in Britain.
The London Canadian Gazette says: Canadian food products are being bronght more and more conspicuonsly to way, i. e, as Canadian produce, which by virtue of its ex-
cellence is entitled to top price in the market. Thus at the Army and Navy stores Canadian bacon, cheese and ham are
on view, labelled as such, oheelk by jowl with similar "Ameri
can" produce, and commanding prices one peniny per pouni higger than the latter. What better objeet hesson could be devised in the loading trade journals. One large firm, of ad-
fune mitted position, achvertising in the Grocer, refors to the
great ho:d which Canadian bucon now has with the trade great hod which Canadian bacon now has with the the throughout the count
far distant when the D
ignore the foreigner."

## Refrigerator Car Service for Butter and

## To the Eaitor FABy

Sir, - The hot weather which at present provails puts the refrigerator car service to a severe test and makes
imperative that the shippers as well as the transportation companies should take extra preoautions to ensure aginins
any possibility of the butter becoming heated at the any possibility of the butcer seation, or at the station
creamery, on the way to the stan creamery, on the way the tar. Information which comee to hind goes to show that some of the creamery men are
not as caroful as they ought to be in handling the butter from their own refrigerators to the cars. Cars have arrived in Montreal lately with the butter from some creameries in good conditions, while that from iothers was vory soft, indicating clearly that the butter must have been pac to got
the car in that condition. If the butter is allowe warm and soft on the way to the station, or at the station, no refrigerator car is cold enough to harden it muoh, if at
all, before it reachos Montreal. If the car keeps the buttor all, before it reachos Montreal. In in in good condition it serves its parpose admirably. Those who have to deea wireo the matter should see to it that the butter is taken as direoc from the croamery cood storage the buttor is exposed to the heat means so much deterioration which can never be corrected. It might be well to point out in this connection
that if buttor is once allowed to beoome soft through heat it will tike a much lower temperature to harden it again than hat at which it was formerly held. To illustrate: The average melking point of butter is about 91 to 92 dogreese
Vahronheit, but once it is molted the tomperature muat bo rahrenheit, but once it is moltod the tomporac
Ottawa, July 26th. Comm'r. of Agr. and Dairying.
KDirorini Nors.-To osome extant we beliove the above me fectories to point of shipment unprotected either from storm or sun, though in some cases coarse oiloloth or canvas has been used. What have our doirymen (oun aseful or this purpose o An expoctor where his cheese had been placed the oil was running in stroamo from the boxes as a result of heat coming to the station. Curing-room ventila more attention than it has yot received.

## Harvesting at the Ottawa Experimental

At the Contral Experimental Farm the hay has all beon asved woll ; 68 Recres have given 1281 tons, an avergese of nearly two tons per acre. The heaviest yield was obtuinee
from a field of 17 acres of first crop, which gave 53 tons, from a field of 17 acres of first crop, whicin
being an average of more than 3 tooss por aero.

Kent County, Ont
We had ideal haying weather, and now wheat is nearly harvested, with very little rain, Threohing ho commencol
and the yiold is from 25 to 35 bushe's per zore. The eample is splendid, some of it testing as high as 64 pounds pe
bushel. Highest price paid so far is 72 cents, but the pres ent price is 70 cents. The general opinion is that the price will slump, consequently nearry everyone is selling as fas
as it can be threshed. Oats are turning, and, although a very hoavy crop, are standing ap well. Corn looke sp en-
did, but unless rain comes soon beans will be very light. drying up, and this, in addition to the abominable horn fy, is almost driving the milch cow out of that she oan be kept milking at all. Prioes for cows ar simply " out of sight," $\$ 35$ seems the rock-bottom figure fo
any kind of a sarub. Prices are higher here than on TYoronto any kind of a sorub. Prices are higher hare tana on will shi market. There is a spoc. in Aeor Beof seems scarce, and good prices are realized for batcoher atuilic ariy potatoes sold
$\$ 1$ per bushel for some time, but now retaif at 90 cents \$1 per bushol for some timo, but now prices lov. Batter
bag. Small fruits are abundant and ppor bakd egmail are both advanieing in price. Since last writing a gentloman, experienced in dairy matters, has taken the
creamery problem in hand, and has already procurod 325 of creamery problem in hand, and has already procurbapens it
the 500 oows required to start, and if nothing happor
Will
W. HoG. will be running by September.
July 21,1898 .

## Toronto Markets

A better enquiry for expogrt cattle, but the fat aathe wor

 Der oute, at git
averab per owt.
Butchers'
Butcherr' Cattle.-Supplies of butcher's oattlo havo boen
rather eany

 Buls.-The export trade in bonlis illight; A tow sold at 83.50 to
and healj
Stockers. - The demand from Burfolo slack, prioes tow



Calves sola at $3 s$ to $\$ 8$ per heed; a fow ohotoe healry

 Mamb. Spring lambe at 83 to sace each or 85 por out


 nortweek Hogs.-Uunchanged and atends, velling at sals







Chatty stock Letter trom chlengo. :















Live Stock Exports.



The practical sheepman who gives proper cars and attention to the details of the buolness will ind as much money in aheep as in any othor live tock, and that with the expenditure of less labor and capital than is required in any other line.


THE RED-HEADED LEAGUE. Startling Detective Story with Thrilling Incidents. Ihad oalled upon my frond Mr Shorlook Holmeer orie day






 to begin andrutive which promiges to bo one of the most 0 reoommenoe jour narration. Task yove not gerreat trind because


 aown the advertisoment column, with bisheod thrust tho man and endoevored hiftor the tahhion or my companion,

 coat withe heovy, brasey Abort ohain and a equare bitit of araded brown overoant, with wrinied velvet collar, lay upon
 Holmean you find the advertisement, Mr. Wilsonr asked "Yos, I heve got it now," he angwered, with his thiok, red Whit bogan it all itfor yourselt, sir",
Itook the reaper from him and read as followe


 serv, and above the avorago miventy-one yeare, are iligible
 twico roed overthe extraoridnary anounneement.
 soratoi, and tell us all abo arseir, your household and the
effoot whioh this advertieement hat upon your fortunos












 man my thar ithen




















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Oct. 9, 1890



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Tounill boandiy nough," t tor













to a head. In the moantime, Mr. Merry weather, we must put
the goreen orer that darl liantern.
"A nd ait in the dark ?"






多

 cor. Then no have














 and







 Nome yan tho ohar ran

## Un Joyeux Chapitre

 By the exceedingly joily faces of these three holy men one mat being reed from is of quality to correspond title their humor. Th after all, is of no conse. quence, for " what's in a name." The faces are most expressive. The reader looks like a born comedian, and evidently evels in his work, whity oonk whois, apparently. isttle hard of hearing,
is capitally drawn. The unrestrained enjoyment the big chair shows that, and knows a good joke
when he hears it ! The mposing rowes look very learned indeed, but we wonder whether they are all of a saintly character
or whether some of them also contanin "Un joyeux chapitre.
Wo hear of the "Triar of Orden And woill back old monk was he:


UN JOYEUX CHAPITRE. Mrry weather, we pased anough alde door Within threre ras a smail vorrrasive iron gate. This also was opened, ninated at another formidabie gate. Mr. Merry down a
 wort,
with orates and maseive boxeen
vulnerable from above," Holmes






 they can hardly take any heps unn he good pa wnibroker io
in bod. Then they will not loge minte, for the booner they
do their work the longer time they will have for their escope




























Nut look at tho onom hh tho hapter dolh read,




## Recipes.

hUNGRY CAKE
One pound flour: ${ }^{3}$ pound sugar ; $\frac{1}{2}$ pound butter pound currants ; 4 eggs; 1 cup milk or cream
teaspoonfuls baking powder. Beat up well frst the butter and sugar, then the yolkg, then the milk, which the baking powder has been stirred, and the fruit last. Bake in shallow tins.

CrEAM NECTAR. One pound sugar dissolved in dissolved in 1 pint water; 2 ounce When the syrup is cool mix both together; flavor with ounce of pineapple. Use tablespoonfuls to a glans of cold water. Add little soda if preferred effervescent.

Four eggs : beat the yolks with 1 teacup of sugar for about ten minutes; stir in 1 pint of milk and 1 pint of whipped
and stir in last ; freeze.
Two eggs beaten well ; stir in $\frac{1}{2}$ cup of vinegar ;

THE FARMER'S ADVOCATE.
August 1, 180

## and ettr in with 1 teacup of brown sugar, theaa oup of boiling vinegar on the etove in a double enucopan and Atrin the above mixture until just thickens. Adad 2 tablespoonfuls butter. When byewrd oabbage.

 Out a head of cabhage in halves; soak in cold the ptalk or hard part and chop the remaninder very fine; put it in a atewing pan with boiling water it colander; tur
## 

The Wandering Cow.
"Tho coor has opoaped from the Ark!" orled Noah - "the cov And cmoterect arom the hat from the day somewhere in th So. Hinility diark; int, and JImmie, no elow ; 'twould be horrid It youn jour groph
 $A$ - in the ene Or eolominy othowing the lioquered manes of the Japanese "Or ile do you think ahe has olambered up the aides of the And theref the thok of the nilokel olook, is taling a moment
Or, horrible thought, oh, terrible thought! must we faarsome-
 "Do you think that perhaps she has wandered off and has Do yon think wat pernaps aid ian wauerou ofr ana ha Or cin ahry be up on the bureau there a-combing her painted
Is sho cown tin the kitohen or up on the root, or hid in the Or hitlo eold, Bold' गun oif to the musto box to list to the "Warrior "Oh phere, oh whore, would a dun cow got Pray toll me if "Thou rin," orimed Noah, ond I want to olose up ana bolt fast Fuyd Arion door. be oaught in the rain, out there on the


## The Place to Put Riches:

"Yount help, Rufus, of course, won't you? All
ho boye intend to lend a hand, which in this case moang gring moneyd afford it, but indeed I're go to keep all I can earn and all I cand get this gummer. There'gsomething special I want to do."
The boys in Mr. Oarson's class were collecting a little sum in to buy some comforts fore a silek comgarde. Mr. Oarson heard the till hatween Rufus from others that Rufus was bent upon being a rich man, and had even now begun to hoard his earn a given time. He was getting an anxious look on
his face, and showed in various small ways that he was carrying some sort of a weight. Hoping to holp Rufus without speaking to him directly, Mr, Oarson gave out this subject for the nozt monthly meeting of the class club, which was
an institution much prized, with its informal discuseions:
hold? The place for money- what position should it
do with it? There was an animated discussion, you may be sure, and a helpful one too, but you shall not be contribution to the discussion, Mr. Carson read from an old, old book, words written by one Thomas Taylor, in the seventeenth century: or monen a man to makes a heavy trunkim otoop, but if the plate,
weight be put under his feet, it will lift him from the ground. In like manner, if we put our wealth above us, it will press us down; but, under our "How this voice," continued Mr. Carson, "rings out from the long ago l Let us take heed, boys,
that we kreep riches in the right place. They are that we keep riches in the right place. They are
to rise by, not to stagger under. Make stepping
stones of them, not weights."

The Girl Who Hadn't Time.

 This morning at the breakfast table I was much artraid
Her has har had not been oombed at all-'twas such a "tousled
braid She rad han't time to oomb it "! Ha! All very well, mayhap!
But $I$ wonder where she got the time to take the second nap?

And then ghe "hadn't timo enough" to get to sohool in season;
And to sho miseod her logeon, hand her toeoher asked the Why dit "hadn't time" to learn itt Now Ithink it queer-

 For atop finotion of a jifts, Just to help them mend their top. Ah, mol The thot, I foar, that each unblassed mind must Is, the things she hasn't time for are the things she doesn't tikel

## Ants' Cows.

Do you know that ants have cowe, from which Do you know that ants have cows, from which
they draw mill? You can see the cows if you look for them. Sometimes you will see the ants run-
ning up and down a small bush. You may wonder ning up and down a smail bush. You may wonder
what they can be doing. Look closely at the bush and you will see a number of green bugs on the
leaves. These are the plant-lice, or the ants' cows. leaves. These are the plant-lice, or the ants' cows.
The ants run about among the bug, touching them Chey are milking their cows when they do this. Ants keep other insects beidides the plant-louse, Which they feed and are kind to, and their prison-
ers seem contented. Sometimes they keep a large, blind beetle, which is never allowed to leave their cell. They bring it such food as it neede, and
kindly put the same into its mouth. The beetle, in return for such careful attention, throws out
fromen its body a fluid which the ants are fond of, from its body a fluid which the
and which they lick up greedily.

THE QUIET HOUR
A Sllence and a Song.

| I am alone, dear Master- Alone in hoart with Theet Thongh meryy ficese round me Thero's a hugh among the bithe one While a pleasant voice is heara At fruce wing with and word. And in that truce of eilonoe, And throught the light and musio sen One happy upwarigiance. may be, The words I onnot ot hear; "Hya but a gentle melody. But the 8weetnees and the quiet. Have set my ippirit tree And I turn in ovin find Dear Master, now to thee. I know Ilove Thee better Than any earthlyjoy, Which nothing can cestroy. Tknow that Thou art nearerstill And sweeter is it he thought of Thee Than any lovely gong, Thou hast putiges in my heart, Then well may I be glady love. I conld not but be sed. With sumny-hearted triendes <br> But more for this sweet moment's ca <br> O Mraster, greolous Inaster, <br> What wil Thy presence be, <br> IT Buch a thrill of joy can orowis One upward look to Thoel us, And whom not having eeen, |  |
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F.R. $\mathbf{H}$.

Full Satisfaction in the King "Y Pa, ilet him takke ell, forammuoh ane my lord. the king is
come agatin in peaoo to his own house."-2 Sam. xix, 30 . It is when the King has really come in peace to His own home in the "contrite and humble spirit"
(not before)-when He has entered in to take His not before)-when He has entered in abode there (not before)-that the soul is satisfled with Him alane, and is ready to let any Ziba take
all ele, because all else reall seems nothing at all in comparison to the conscious possession of the Sreasure of treasures.
Sometimes this is reached at once in the first
fush of wondering joy at finding the King reall flush of wondering joy at finding the King really
"come in peace" to the empty soul which wanted "come in peace" to the empty soul which wanted to more and more, and find again and again that He
mis quite enough to satisfy us in all circumstances; is quite enough to satisfy us in all circumstances,
that the empty corners of the "house" are filled one after another; that the old longings have somehow gone away and the old ambitions van-
ished; that the old tastes and interests in the things of the world are superseded by stronger
tastes and interests in the things of Christ; that He is day by day more really filling our lives-we "count" (because we really find) one thing after another ont ohrist Jessus my Lord"" till He leads us on
edge the rapturous joy of the "yea, doubtless" and
to til "all things !" Now have we got as far as saying "some things" you see that it all hinges upon Jesus coming into the heart as "His own house,-altogether His
own ?" For if there are some rooms of which we do not give up the key, some little sitting-room which we would like to keep as a little mental retreat, with a view from the window which we do
not quite want to give up, some lodger whom we
dark closet which we have not resolution t
open and set to rights, of course the King has ao open and set to rights, of course the King has a and the very misgiving about it proves that H has the expecting "perfect peace" while He has no use expecivg portith us about any withholdin of what is "His own" by purchase. Only thro
open all the doors "and the King of Glory sha open all in," and there will be no craving for oth come in, "He will "flll this house with giory," and there will be no place left for gloom. Is it not so? Bear witness, tell it out, you with
whom the King dwells in peace. Life is filled wit whom the King a wells in peace. Lite is filled with peaceful waiting, the mind is fillea with His bean His presence, and you "abide satisfied with Him. Yis presence, tell it out!
The human haert asks love; but now 1 know
Alr real and molthar and marvello nase fleotion,
So near, so human, yet Divino portio
Thriligloriongly hotyhy glow.
Thy love is enough for mel
Thero werestrange soul-depths, restiess, vast and broad
An in Unfathomed as the soak ininito stuling;

F. R. Havergal

## UNCLE TOM'S DEPARTMENT

My dear Nephews and Niecirs,
The annual commencements are over, to the great relief of the school youth, and, I trust, also No greater honor of many of my boys and girls. more eageriy awaicent joins the realization of th a hope, or, perchance, the confirmation of a iurkin fear Nor was your old uncle the least interested of the readers who scanned the reports or entrance,
leaving, etc., examinations. "Why? " you ask leaving, etc, exam interested in a certain numbe of boys and girls whose names he hoped to see 'way up in the honor list. And perhaps he was no
proud to find them just where he hoped-perhap proud to find them just wh
he Was not, but I doubt it !
The nuccessful passing of an examination, diffi-
cult as they have now become, is generally attender cuit as thep havenow justifiable vanity. But how many of by a certian justifiabo vanity, But how many o wrought teachers their proper share of the credit: zeal that has, more than anything else, placed them where they are? Just try it for once (if you hiave not already done so), and, believe me, you will be will greet you in return. A pupil can lighten
materially the arduous labor of a teacher by 00 operating with and showing his appreciation of hi anison that the best results are obtained. To many this examination is the door to higher studies, perhaps necessitating departure from home with totally strange companions. Some years ago (not so very many, either) this was often a painful time for young pupils, for even in the best collegee "Tom Brown's Schooldays" gives an interesting
"Ilustration of this deplorable practice. "Hazing illustration of this deplorable practice. "Hazing
simply means that the older pupils forced the fresh" ones to do all sorts of services for them,
oven to blacking their boots; and made them the even to blany practical jokes characterized principally by cruelty, and thus the first year of college
life was generally a thing to be dreaded. Now, ife was generally a thing to be dreaded. Now,
however, better laws prevail and no such terrors
await the small boy, and the pupil who brings with await the small boys, and the pupil who brings with
him good-temper, cheerfulness and honesty, and him goos-temper, cheerfulness and honesty, and
wha respects his teachers and himself, will find
smooth sailing in any school or colle smooth sailing in any school or college to which he
may go. If he go prepared to stand a few jokes
without losing his temper, joining in the laugh at his own expense, he will soon find himsif un-
molested; while the surly, resentful pupil is but the more tormented.
Where, is largely influenced with at school, as olsewho would find himself well-used must "give his

Give love, and love to your life wil flow,
$\Delta$ atrength in your utmost need.
Have failth, and a score of hearts will show
Glveir fath, ind your word and deed.
And h honor will honor moeti A surely find

For life is the mirror of king and elave;
Then just whive we are and do
And the the the the the beet yill
And the have, The following are the winners of prizes for
solutions during April, Mav and June: 1 ste $\$ 1.50$,
Mr. Thos. McKim ("Toledo"), Oxmead, Ont.; 2nd, Mr. Thos. McKim (" Toledo"), Oxmead, Ont. ; 2nd,
$\$ 1.00, \mathrm{Mr}$. Richard H. Stinson ("Dick") Herriston, Ont.; Mrd, Richard H. Stinson ("Dick"), Hiarriston,
Viss Mary M. Ross ("Madge"), Watford, Ont. Very close to them were ""Margareta,"
Jessie Hyde, "Essex," "Brownie," Peter Hyde, Hoping to find the present comptition even Here closely contested, and also that, a large
number will take part in the "Poet's Corner" number will take part in the "Poet's Corner
contest announced in July lst issue,

## Purziles.










ors a ple.
2. Cross WORD.


In bug, not in bee.
Inthrub notintiee.
The whiohe No one should be. "Dick." 3.-DDuble Diagoral

 and honey ; from right to lett-ro plunder. "Dioz."



## 5.- Square.


O Moral he sooth sea ialana
A. Aland
What a merchant does. - inct-Sculare "Madaz"
 The three centr
man of letiere: 7.- Thraze Dingosps.
torm the name of an

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1 three-year-old imported stallion, by Nairn, by Prince of Wales. 1 four-year old, by Queen's Own, out of
2 imported two-year-old stallions, by Macgregor
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 WM. GRAINGER \& SON, Londesboro,Ont.

 1. A voovel. 2. Total sum (labbr.). 3. Surfaces. $\frac{1}{}$ An $A m$ What word will make jou sickrific jou take "Oama." What word will make son sick if jou take away the Arst
ByRow Foroz.
ther? 9.- RimpLs.


 10.-RidDLE

> What it that whioh a poor man has,
> $\begin{aligned} & \text { A rich man wanter } \\ & \text { A pendhritt paves. }\end{aligned}$
> A miegr apende. Criefy Freguson.

I am a compound word of 10 hottore, Divide mo in the cransparent
try sallora.

12-Biograpmichit Tranbpobits.


Lil. Wimandilasher ; an ominent Amorlonn general; born


13.-Droapitition.

3. - Oh many a ehaft at madiom goent,


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## 1 out off the hesd of a WHOLE <br> 

Answers to July ist Puzzles.

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W. D. FLATT,
hanilton P.O. and Tolegreph omich,


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August 1, 1898

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ios will aloo $\operatorname{sivive} \$ 25$ as Arsit prize, and Amer
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The Smithfield Club Centenary The prize list for the oontenary show of the
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 Mr. F. A. Gardiner, Brtannia, Ont. Offers tim aithe bull, bole Britain =200997, having ured




 we found a very choloe young herd of Tam













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