## Vol. Xxxy. LoNDON, ontadia <br> AUGUST 20, 1900. WINNIPEG, MANITOBA <br> No. 508

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Vol. XXXV. LONDON, ONT., and WINNIPEG, MAN., AUGUST 20, 1900

The Influence of the Fairs.
The part which agricultural and industrial exhibitions have played in advertising Canada, and the influence they have had in the improvement of her live stock and methods of farming, we believe bulks more largely than many of our people realiz. Only those who are old enough to remember, and who were associated with the work of the pioneers in the establishment of competitive examinations in live stock and other farm products in the older provinces a little more than half a century ago, have any true conception of the immense benefits which have accrued to the country as the result of their efforts in this line. The educational influence and stimulus to improvement exercised by these enterprises has been grandly demonstrated in the last decade in the prominent place Canada has filled in the International Exhibition at Chicago in 1803, where our live stock took the lead, and in Paris in the present year, where our agricultural and dairy products, fruit and farm machinery are eliciting the admiration and wonder of the world, and are advertising the Dominion as a field for immigration and investment in the best possible manner. It is gratifying to know that the spirit of the fathers in this regard is present with their sons of the present day, and that the good work is being carried on with undiminished zeal and energy; that where in the Province of Ontario a quarter of a century ago one large provincial fair was held, we have now at they are patronized by exhibitors and visitors from all section: of the Province, while each of the other provinces has its one or more strong, vigorous and successful exhibitions which are doing good work in their several spheres
The Winnipeg Industrial, the first of the summer shows, as will be seen by the xtended report published in last issue, auspiciously opened the campaign for the closing year of the century by demonstrating by the magnificent display of highclass stock brought out that the Prairie Province is no longer wholly dependent upon wheat for its revenues, but has more than two strings to its bow, and, thanks to the wise foresight of its leading men in instituting the exhibition, and of no small number of its farmers in turning their attention to live stock, is happily prepared to tide over the effects of a season or drought,acontingency which any and every country is inathe The Toronto indionon the contiment, continues to prosper, and promisesthis year to far excel its past recordin thequality extent and variety of its educational and business features, as well as its special attractions and the beaty of its splendid grounds by the lake shore. The Western Fair at London, the pride of the farmers of Western Ontario, annually draws from all over the Province hundreds of exhibitors and city and the show, the latter being made up largely of the cream of the Toronto exhibits, supplemented for the home show which fresh from the fields for infrequently whs over the Toronto victors on not infrequently whs over the Toronto victors on
the parklike exhibition grounds of the Forest City Tital of the Doninion. grows in popularity and excellence with the years Its grounds are pictur esque. its live stock buildings the most complete
and comfortable alike for exhithitors, visitors and
studs, herds and flocks of Eastern Ontario and the sister Province of Quebec, while the favorable ex cursion rates make it easy for thousands of visitors the opportunity to visit the capital. There is, perhaps, no city in the Dominion more full of interest to visitors than Ottawa. The education of no young Canadian is complete who has not seen the capitol and from Parliament Hill looked out upon the Chaudiere Falls and the beauty of the far-reach ing landscape view on either side of the Ottawa.
The Maritime Provinces each have their own provincial exhibition, all well equipped, growing in unfluence on porditions of the agricultural community. To business men, and to pleasure-seekers as well, a profitable circuit is afforded by the exhibition fixtures at St. John, Halifax, and Oharlottetown. For a healthfal trip and wholesome associations, for charming scenery and the inhalation of $\boldsymbol{o z o n e}$, commend us to a tour of the Maritime Provinces. To those whose preferences lead them to long for a look into the newer and ambitious West and its immense possibilities, the fair fixtures at Calgary, Kamloops and New W estminster are open, and a trip over the tran the hes for holding of the fairs mentioned, and many more will be found in the list on another page, and we commend them all to the liberal patronage of our people, who in these times of prosperity can well afford to take a few holidays, and have every reason to be thankful that the lines have fallen to them in pleasant places.

The magnificent average of $\$ \mathbf{8} .36$, made by the fifty-six Shorthorn cattle sold at the Flatt sale at Chicago last week, in which statement is included four calves, coupled with their dams, though sold separately, may be taken as a pretty good index of the outlook for the beer trade, is wich the de mand, present and prospective, is greater chan houses, with their immense capabilities and gigantic operations, serves to strengthen the confidence of breeders and feeders in the solidity of the business and the safety of its future, while the enormous transactions in cattle at the Union Stock Yards

Poultry Farming in the West.
In reply to W. J. Cochrane, Alta., I would say that the greatest obstacle in the way of obtaining
very early chicks in this climate is the lack of fertile eggs during the winter months, The have ter and early spring months are infertile. I would therefore hesitate to recommend any great outlay until it was ascertained whether fortile eggs can be secured early enough for this purpose. The ques-
tion of a warm, tight building can be readily solved by the erection of a brick flue similar to that used by the Mennonites for heating their houses. For safety the furnace can be outside of the building altogether. A flue three feet square will heat quite
a large building. Such a flue in a modified form has been built on this farm for greenhouse purposes during the present year, and has given en-
tire satisfaction. The heat is regular and uniform, and almost any kind of rough fuel can be utilized. For the best results this flue will have to be in conand one wr morm inculators and brodery will be, necessary. But hefore any great expense is in
curred the problem of procuring fertile erges arly curred the problem of procuring fertile eggs carly

Brandon Exp. Farm. This whole question of ralsing eare chet, including a solution of the problem of infertile eggs suggested by Mr. Bedford, and also the cost, including artificiad heating. "te. .should make

Opportunities for the College of Agriculture Graduate.

What are the opportunities of the Agricultural graduate compared with those of Colleges of Science, Literature and Engincering?" It is not the writer's intention to make any comparison
whatever, but merely to call the attention of the Whatever, but merely to call the attention of the
reader to a few of the many chances for a young man along the line of agriculture. No agricultural college claims to be able to place
all of her graduates in good remunerative pol all of her graduates in good remunerative positions
as soon as they graduate. In the past it would as soon as they graduate. In the past it would
have been folly for them to think of doing so, but have been folly for them to think of doing so, but
the tide has turned, and the importance of education in agriculture has come to be generally recognized. This change is mainly due to the more ex-
acting conditions, and to the influence of the agriacting conditions, and to the influence of the agri-
cultural press, the Farmers' Institutes, the various cutural press, the Farmers' Institutes, the various
live stock and dairy associations, and the Experiment Stations and Agricultural Colleges.
ture of the present day to train men for salaried ture of the present day to train men for salaried
positions. Its main object is the training of students not only to be good farmers, but good citizens and successful men. In this connection I might ture graduates during the past two years have returned to manage their fathers'farms, not withstanding the fact that many tempting offers were made them to accept other positions. But there is
another class of young men who are intensely interested in agriculture, that have no farm or capital of their own to start them in life; thus they must of necessity become salaried men, for awhile
at least. It is for these young men that this article is written.
During the past few months we have had a great
many infuiries from the various many inquiries from the various States of the
Union asking us to furnish trained men along the following lines : herdsmen, farm managers, managers of special dairy farms, creamery experts, specially trained men along crop lines, nursery
managers, landscape gardeners, agricultural edimanagers, landscape gardeners, agricultural edi-
tors, and requests from seven State colleges and experiment stations asking us to furnish them men in rank from the position of instructor to that of full professor.
The question quite naturally arises, what remuneration do such positions offer to the right kind of
at man? The best answer to such a question is to quote from a few of the enquiries along the different lines of work. Just a few days ago we received
a letter from one of the leading physicians in good old York State asking us to furnish him a superintendent for his large dairy and stock farm, where pure milk is bottled and sent to New York City for infants use at fifteen cents per quart. "The man
for such a position must be well versed in live-stock breeding, feeding, pedigrees, etc.; he must also understand the care and management of dairy ma-
chinery, the care of milk, and superintend eighteen chinery, the care of mik, and superintend eighteen us as follows: "You know the kind of men I need; if you have such send him along at once, and I will pay him a salary equal to that of your highest uniI can pay him muoh more." A large land owner in the central part of the
state wishes us to furnish him a young man well State wishes us to furnish him a young man well
up in farm crops and live stock, to superintend his farms, and instruct his tenants as to how to increase their yields of grain without having to increase their acreage. This gentleman informed me recently that he would pay such a man $\$ 100$ per
month and expenses to start on, with good prospects for an incranse later. One of our hest young men is fitting himself especially for this line of
work. work.
One of the far south states recently wrote us One of the far south States recently wrote us
asking if we could recommend them a good man
for the position of agriculturist and horticulturist for the position of agriculturist and horticulturist
for their college and experiment station, salary Within the last few months we have hat or more applications for trained men along dairy and live stock lines at salaries ranging from $\$ 25$ to per month to statt on. ing from month to month, and it has been increas cent greater this year than any previous year. might also mention that the most remunerative positions open to any of the university student during the past year were along the line of agricul ${ }^{\text {ture }}$ College of Agriculture, University of Illinois.

Tвв $\mathrm{F}^{\prime}$ armer's Advocate

## and Home Magazine.

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The Necessity of Thoroughly Working Summer-fallows
I have not seen any of the work of the subsoil packer, consequently can hardly give an opinion
on it. The idea seems all right. Am inclined to think, however, that there are methods we might adopt which might obviate the necessity of such an implement. A farmer with a good-sized piece o would not be likely to bother himself much about it. That is still some time in the future, however,
and present conditionsare what we havetofigureon. and present conditionsare what we have to figureon.
I notice a marked change around me this season in summer fallowing, and which I am afraid is in the wrong direction. Noticing that their lateplowed fallows last year, which received no aftercultivation, did not drift this spring like early-
plowed and well-worked ones, and that the crop them, on that account, is the best this year, many have left plowing till now, July esrd. Some will not be through for some time yet and will not
touch them afterwards. Now, there are some conditions which should not be overlooked in this connection. Last year was a moist one, with lots of snow and rain in the fall before it froze up, but late
fallowing has not always this advantage. Again, the season is two or three weeks earlier than Again, and many weeds have now shed their seeds, and as a consequence many are plowing down future
trouble for themselves. Surely adry fall trouble for themselves. Surely a dry fall this year,
with no harrowing or cultivation to start seeds, will mean a dirty crop next year. From what little experimenting I h
have about come to the conclusion that our bes method at present is to plow our fallows early, take two crops off before plowing again. My bect crop this year, a pretty severe one to test the plant
too, is on such ground. I am well aware this is too, is on such ground. I an well aware this i
rather a dangerous doctrine to preach to the aver
age farmer. Many have no ideat of age farmer. Many have no idea of what keeping
fallow clean is, and very few have the right imple
ments. It is atmost imposibile to do so withomit, ments. It is atmost impossible to do so without a
cultivator with hroal share to cover all the
ground. Even many of thathet ground. Even many of the hast famers think that
 peremials, or winter anmals which and and

 re, harrowing 10 cems and coltivating vo the
and four cultivatings, which would be ample, $\$ 2.50$ while by the other method the two plowings alone would cost $\$ 3.100$ : while using the subsoil packer as is advocated, would cost still more, and 1 doubt tuual the former. Fallow worked as I have indicated has no need
for a packer. for a packer.
Morton Municipality, Manitoba.

Milk Test at the Winnipeg Industrial. The milk test at the Winnipeg Industrial is an event of annual interest to the breeders of the
special purpose dairy breeds. (ash prizes of $\$ .0)$ special purpose dairy breeds. (ash prizes of $\$ .00$
each lyy the Industrial Association and the Canaeach by the Industrial Association and
dian Holstein Association are hung up, the first
prize being $\$ 500$. Seven cows were entered this prize being $\$ 00$. Seven cows were entered this
year -four Holsteins and three Jerseys-and the year -four Holsteins and three. Jerseys-and the
rivalry was keen. The test was conducted under
ther the supervision of Dairy Superintendent ( A.
Murray. In justice to Glennie's record-making Holstein, Inaisy Teake's Queen, it is but fair to explain that for the three months she had been in times a day, and her owner had been given to believe that this might be continued through the test, but the rules were specific that the milking be done twice a day at set hours, and the other comrules, Daisy Teake had either to submit or stay out Under these conditions, it will be seen she did of the standing well. Below is a tabulated statement



It Pays to Treat Stock Kindly I have hnown a great many free-going horses of the rough words and ways of thent drivers. They
wondfut and sweat and grow poor doing the wer Woud fort and sweat and grow poor doing the werk
thoy would thri, while doing under mild-man
nome.

 hatpe of cows atten accasions the that tomgh of
and that dries them up very rapidly. Boys,dogs and field. Irregular feeding and milking ond the thing out of the regular order, disturbs and therefore damages them. Change of residence frequenty causes cows to shrink their milk for a year, A her buttermaking qualities, made only a pound of butter from $4+$ lhs. of milk, while in the quiet of her home she made a pound of butter from 21 lbs . all cows have likely she was extra nervous; but treatment he gentle and regular.--Hugh T. Brooks

## Some Lessons from a Dry Season.

Even an unfavorable year may be made profit to be learnedy take to heart and apply the lessons lar to this. With almost a total absence of rain but Manitoba would have proved an utter failure It is quite noticeable, however, throughout the Province, that some farmers have good prospects for an average crop even under the present tryyield depends largely on the system of cultivat the practiced. In nearly all parts of the Province the grain has failed to a greater or less extent to germinate on backsetting. This is unfortunate, no fact that weeds have taken the place of grain and this new land is liable to become infested from the very first. In some exceptional cases backsetting is prom the best results, brealing should be do to find in the season, say between May and June. The grass is then full of sap, and the sod decays quickly and thoroughly. If broken late the grass is dry, and the undecaved matter is a source of injury in future years. The backsetting should be done be fore harvest. If an inch or two of additional soil a seed-bed. If the land is thoroughly disked befo winter, the seed-bed is perfect and 4 good mop be reckoned on, even in a dry year. Where the breaking is done late and the backsetting shallow, mination is necessarily slow, and the weeds occupy the land instead of the grain. Deep sowing has also proved to be of great benefit this year. Owing the soil was very dry and loose snow last winter, only took place in the damp soil. With the soil warm and dry, as it was this spring, it is safe to plant deep. Some of the fields on this farm which were intentionally sown shallow fariled to germiIn previous years I have frequentl tention to the great advantage of summer-fallowing in a climate like ours with so little rainfall. Where fallows were plowed early last fall har year. at once to retain the moisture, and then culti vated on the surface during the rest of the season, it proved so full of moisture that the seed germi lows plowed late say the end of July or Aur fas after the weeds had drawn all the moisture out of the soil, the soil was very little better than unfalfallowing in this climate is to collect summerthe moisture for the coming crop. This can only be accomplished by early plowing and frequent surface cultivation, so as to form a dust blanket to discoun the early days scrub land was very much scrub) land at all-but of late years there has bee a change in this direction. Ft is found that this
class of soil, if properly cultivated ture even better than prairie land, and very mois areas have been broken with scrub plows this sea son. particularly in Southern Manitoba. garding the weeds on intended summer fallow re sprouting, the spring and early summer beo no dry to start germination of the weed seeds on the Furface. This was awoided on the Experimenta the weed seeds sufficiently to year. This covered early in the spring, and enabled the summer-fal low to be done during June.
It is quite inter June
grasses in a season like the to note the different othy has made no growth whatever, even us timutting moist soils: it is not high enough to be worth factory, while new brome grass has been more satisgiven us a decent yield of fiommone moist land has excellent hay. Brome grass two and three years but some however, failed to give any hay whatever ture. The adrantage of growing amount of paslets, etc., in a year like this is oat sheaves, mil same may be said of millets crop of fodder. The aterace lice find of from fifteen to twenty tons per plante require the land to be well prepared in 1. pulverized by harrowing. et he soilis thorough aneven and growth sow. In addition to this, corn

Frarmers' Meetings in Saskatchewan. Reported by Angus Mackay, Superintendent Indian Head b: The meeting at Prince Albert was addressed by the Hon. G. H. . Bulyea, Commissioner of Agrion Entomologist and Botanist; and Mr. Angus Mackay, superintendent of the Experimertal gatlemen were present, the majority of whom were farmers or 'armers' wives.

Mr. Bulyeu spoke in regard to Institute work in the Teritorles, and of the reasons for calling the gret was expressed that so few were present. Dr. Fletcher's lecture was devoted to " Weeds, their nature, and best treatment foeds found in the tion. Specimens oduced by the farmers present, and
district were prons on these Dr. Fletcher spoke at considerable length, paying particular attention to stinkweed (Thlaspi arvense , which has
The weed most prevalent in the district is ballmustard (Neslia penicrelata), which the speaker sut one which had spread faster and farther throughout the country than any other variety, it being found from Winnipeg to British Columbia. The weed was first seen about ten years ago, and in consequence of its rapid spread, is a most dangerous
variety. Weeds were chassified, and each class described, fion was gone into at length. Follow, or any method For the annuals, summer-fallow, or any method
of cultivation which would prevent the ripening of the seed, was recommended.
For biennials, or two-year plants, good summer-fallow and cultivation early, in the while for perennials, or many year plants, ies, such as Canada thistle and sweet grass and shallow cultivation for the shallow rooted varieties, was the best treatment.
Stinkweed, its life-history, and best method of eradicating, was gone into at some length, and Dr Fletcher expressed the earnest entreaty that this, the worst of al
weeds found in the Northwest, be not al weeds found in the Northwest, be not ald do unless great care were taken. Mr. Mackay spoke on "Soil cultivation, spring plowing, and seeding stubble land spring plt cultivation. These in turn wer
withored to from results obtained at the Ex
referren referred to from results obtained at the EX perimental farn
In grain of all sorts, the best returns had been secured from fallows plowed 7 to inches deep, before June 1st, and surfac ly often to keep down all weeds or voluntee $\underset{\text { Fail plowing has, up to the present, not }}{\text { grain. }}$ on the Experimental Farm, plowing as soon as possible after the crop was harvested, as possing and harrowing and seeding early in the spring, and harrowing when grain ap-
peared above ground, had given the best peared ab
returns.
For recommended: Blowing, the following was sow seed, plow 3 inches deep, and harrow In seeding stubble land without cultiva tion, the stubble must be burnt in the spring, the seed sown $2 \frac{1}{2}$ inches deep, and
well harrowed. Harrowing the land in this case is most important, as it forms a dust
blanket, and prevents evaporation of the Seeding at the proper time was referred to as a important aneat, the first three weeks after spring opens; fo whats. from May 1st to 10th; and for barley, May 5th to 15th, were the dates given from results of test on the Experimental Farm. improved varieties of plums were exhibited as evidence of some success in growing the larger fruits and the hope was expressed that in a few years both
varieties would be found in every farmer's garden.

From Prince What the spaker drove to Now Drom Prince in calling the meeting the attendance was c'ven
smaller than at Prince Albert. Fromhere a trip by distance of between (i) and 70 miles, where one of the largest and best meetings of the series was held. The whole journey was made trong a fag distant country will see this whole section of the country day will see thitive Brome grass abounds werv-
well settled Na
where, and in spite of flies and mosyuitoes, which were by no means scarce, cattle, homses and sheep
were found to be rolling in fat. The roads were wad in fact, terribly so but the settlers from all parts of the
IT Carrot River, the fonth methe the was held.

Grain-raising than any of the other places visited nd Wheats, wheat will be much more extensively grown than is now practicable on account of the long disance from market. Large and fine heras of cattle From miles. At this point the view is grand beyond expression, and here was seen the best crops of grain and vegetables encountered on the whole trip, and, The meeting was not large, but though held late at night, on the same day as the one at Kinistino, and after drives of 25 and 15 miles over bad roads and through clouds of mosquitoes, had the effect of miles before the day's work was completed. St. Louisde Langevin, a ferry crossing on the Saskatchewan, was the next place where a meeting was held. The settlement is composed almost entirely the other settlers in growing good crops. Here was found a most interesting experimental garden, owned and worked by Mr. E. Lefebore, a Frenchman. Some two hundred varieties of grains, grasses, trees, shrubs, verketang done by Mr. Lefebore and his family.
The districts of Lindsay, south-west of Prince ed, and meetings held on the same day.
Duck Lake was the next meeting point. Beautiful scenery, the Roman Catholic mission school and grounds, and the fact that one of the principal makes Duck Lake a most interesting point to visit. Batoche, where the final battle of the rebellion was ought, is only a fer mites distant

The Care of Honey
Everyone aims, or should aim, at excellence in whatever he or she undertakes. The adage, " There and profession. To this rule agriculture is no exception, and those devoted to the production of honey, will excel by supplying the very best comb and extracted on the market. Extracted
honey is judged by color, flavor, and specific gravity honey is judged by color, flavor, and specific gravity,
or "thickness." In saying color, we might say lack or color or transparency. This may be maintained by carefully excluding all darker varieties from
the white, as described in our last article. The the white, as described in our last article. The other two qualities are secured convenient. Some of our best men do not extract until the close of the honey flow; but tier up supers as in the case
of comb honey. By this, however, basswood and clover are not separated, and in opening hives after the close of the honey flow, there is danger to the inexperienced, of robbing.
honeyin the packages in which extracting put up the honey in the packages in which it is to be sold,leaving it exposed to the air as little as possible. Not that water, and the exposed surface soon becomes quite
thin from contact with atmospheric moisture. thin from contact with atmospheric moisture
Then, if left in a deep tin, holding, say 400 or 500 lbs., the thicker portions sink and thinner rise until it becomes graded from very thick at bottom to quite thin on top, and is difficult to secure a uniform sample without a great deal of stirring. honey, altogether quite as good as and by many preferred to the liquid article, will not pour and is much more difficult to dip into vessels for sale. There is even yet some doubt among. died honey, many regarding it with suspi-

candying, or becoming white and solid candying, or becoming white and soble
similar to lard, in cool or changeable weather, is a proof of purity, although in rare cases the best extracted honey, in its natural state, does not candy even under
these conditions. To re-liquefy, set the can these conditions. To re-liquefy, set the can
on wooden blocks in water over a slow fire. Remember that honey that has been slight-
ly overheated has a burnt taste, is darkened ly overheated has a burnt taste, is darkened other hand, if the granules are not all melted it candies again very soon. This suggests a point, in the case of extracting-combs,
bearing on the subject. Before they are stored for winter have them thoroughly stored for winter have them thoroughly
cleaned by the bees so there may be no adhering, honey to granulate and set next season's honey candying early.
For the very reason that all honey be-
comes hard in cold weather, the best package for retailing is one having a wide open top, to allow the honey to be dug out, and
that may be heated in water if it is to be that may be heated in water if it is to be
liquefied. Glass makes a very attractive package, as it shows up the transparency of the contents to good advantage. Although not quite the handsomest shapes, fruit seal-
ers are the best sellers, as every housekeeper has use for them when empty. Less expensive and more convenient vessels are tin pails of 3 -1 1 , 5.1 lb and $10-1 \mathrm{lh}$, capacity. They
may be secured with slip covers for the may be secured with slip covers for the
home market or self-sealing covers for shipment. The most popular package for shipping large quantities is the 60 -lb. tin, crated singly. It is a bout the right weight for one man to handle, and being square, does not waste space. Have a supply of labels like those of everybody else, and put first-class honey. Wo not injure your reputation by will not understand that it is not your best. With comb honey, carefully scrape all wax or stain from the sections, leaving the wood smooth
and white. (irade the sections into two or three classes, according to whiteness of capping and honey, and extent to which the sections are filled filled give to the bees next season. They will be filled much more quickly than sections containing foun ation. Very neat and attractive showcases of dealers in beek eepers' supplies. Now, as to the best way of disposing of honey, I
whater cay do not be in a hurry to sell at a low figure. would say do not be in a hurry to sell at a alow figure
Stimulate the home market in every way. Supply Stimulate the home market in every way. Supply
your grocers and get them to work up a good trade among their customers. Many never buy honey
because it is not brought before their notice. In because it is not brought hefore their notice. In-
vite any friends who call to sample your honey and get them to bring their neighbors and buy. After you have sold all yon can at home. sell to those
whose businessit is to find larger markets elsewhere

Dfter the first ten days of their existence, duck ings are much more pasily reared and far les.
troublesome than chickens, though if anything they are the more delicate of the two during the first eight or ten days. At this stage of thei existence they are very liable to suffer from cramp,
especially if exposed to cold or wet.

Border Leicester Sheep at the Highland Society's Show
This breed was quite a characteristic show; there ly reckong off in form a true Border Leicester-a sheep to produce the maximum of mutton with the preserving all the good properties breeders are preserving all the good properties that made the two years and upwards, the first place was awarded harn, Brechin, for a three-shear. McIntosh, Balquharn, Brechin, for a three-shear tup, bred by exwas Balquharn Prince, which was got by an Auchenbrain ram. This exhibit possesses a beautiful skin.


PRIZEWINNING HEREFORDS
Lord Ingleside 6th, first-prize yearling and sweepstakes bull at Winnipeg and Brandon; Fairy
second-prize cow at Winnipeg. first and sweepstakes fenale at Brandon; and bull calf.
covered with the best of hair, and her ears and
crown are especially good in cover. This is the crown are especially good in cover. This is the
second year in succession in which Mr. Hume has
been champion. Nessre Smith, been champion. Messre. Smith, Galalaw, showed than the first, but not so sweet better condition has a magnificent back, and the sprightly. She purest white, with good black nostrils. The cover of the head is excellent. Good as the first one is, she has no advantage over the second in this point;
indeed, if there was an advantage it lay with the second winner. Mr. A. J. Balfour sent with the and commended winners. Both were shown as a The at Haddington, where they took first place. The third-prize holder is not so good on the loin as breed
mer.
with a great wealth of mutton in the right place
and stood in well for the championship ticket holder, shown by Mr. J. E. Nicholson, Mano House, Lanchester, is a very lucky animal to get what he did. At the Royal he had not a look in, Angus, Bearl, Stocksfield, and his sire Snowstorm Mr. Matthew Templeton, Sandyknowe, Kelso, showed the third winner in Sensation, a three shear sheep of his own breeding. At Edinhurgh he
stood first, but vesterday he was opponent there. The shearling ram class proved the contest of the day. In it there were no less than 42 entries, and it took the judges a long time to exceedingly high, and indeed this class proved one of the attractions of the sheep classes. Mr. Thomas Clark, Oldhamstocks Mains, was successful in beating his opponent, the Right Hon. A. J. Balfour, two exhibits. Mr. Clark's first-prize animal was first at Edinburgh and first at Alnwick this year, and since the Edinburgh show he seems to have gone on improving. He is a first-class specimen of has succeeded in winning the Tweeddale gold medal for the best Border Leicester tup. Mr. Balfour's exhibit was second at the Royal, and he is looking was also first at Haddington and Dalkeith. The purity of head of this sheep is remarkable, and his quality has rarely been seen. The judges were unand Mr. Ferguson, of Pictstonhill, was call winner, gave his decision in favor of Mr. Clark's sheep The decision was, perhaps, not altogether a popular showed the thind second at the Royal. He was sired by Matt. The fourth prize sheep, shown by Mr. Robert Wallace Auchenbrain, Mauchline, is, perhaps, one of the best skinned animals Mr. Wallace ever presented regularity is very pleasing. The ram's head is not so perfect as we haveseen on an Auchenbrain ram, and he is a little bare about the eves and crown generally, which probably influenced the judges, as stock. Mr. David Hume, Barrelwell, got the very highly commended place: Mr. McIntosh. Balguharn, the highly commended, and Mr. Clark the ewes over two years, showed the first and second winners, both of which were bred at Whittinghame They were first as a pair at the Royal, and prize winner is a magnificent specimen of the freedt indeed, such a one we have rarely seen. The Duke
of Buccleuch, Dalkeith Park of Buccleuch, Dalkeith Park, had forward the Dhe the prize exhibit. It has a capital face. with clean, the pithe of the former wimners. Nheep, wants
Twentyman, Hawkive House showed Il ewe, whinh took the we house, showed a bomide
and the highly commending commended card, and the highly commendent al. fom the same ex tries of shemyling wh
all over was vely hin
found
This. as
is a very
be very
educational problem nitude with that of the rural school, and, as we understand it, the right solution of the problem down and the training of teachers in the Model and Normal Schools and Schools of Pedagogy. Refer ling to the demand that young people should not that is, they should be specifically fitted to tord it hend the problems of agriculture and to deal with you with tact, in which course the faculties of the youth would be trained for life service-the Inde-
It was our specifi
aade merchants and manue that the rural school the faces of the brightest of our young folk town gradually modified, and a whon the school curriculum growing up to accomplish what we desired fact is there is no reason why the children of the country should be turned away from the of the confined in school rooms to the lessons them, to be The book is a version of nature at best; and coms. mon sense requires that the child be taught to investigate for himself.
life becomes so attractive as that oply educated no culture. The land is full of intense interest to thogriWho are taught to see it. Entomology and geology commonest are not abstruse, but deal with the the child: and with the sim plest facts. 'Surely,' says Professor Teegan,
the teaching of practical school gar
dening is as alauthe al selting the
pupils to menorizo the height of the
principal peaksio of ('hemistry and lootany yountains. edge of the things children see mentary form they are mory simple sciences than geography consider stones, Howers, tree nsects, birds, brooks; exactly As for teachers, what are nor mal schools for? To make mer chants? Or are they to turn the Whole population into middle men and consumers Why geology as easily as teachers of geography (iive a boy a right sort of schooling till fifteen, and solved hy from the land. The problem is not colleges : for these only create a learned class at "The Dolligence the home of science and of center of farm shoula the home will beanexperimental stationg while erery boy and every girl will he a scientific exp-rimenter E In this direction our graded schools
are slowly learning to look, while such men as
intosion sailey
 (homany to be a mophet in order to foresee that 2.1. hall wheles thay one acre: that the study of books. buterote
sheep are. Mr. Thomas
Clark secured the very highly commended
ticket, Mr. J. E. Nicholson the highly com-
mended, and Mr. Wm Ford, Fentonbarns, Drem, was commended. All these showed stoch ored by them-
selves. Champion of the
breed-Barrelwell

## Rural Life and

 Education.The New York Ind pendent, one of the fore standing in the United W. T. Harris the Hon. W. T. Harris, who said, rural compare
other half to the application of what is learned, and will have actual cultivation of the soil. Every school with tools. The education a shop well furnished labor will go on together ; in other words, hand "" We have
It is difficult to get an age of experimentation. But we are surely readjusting the whole of fact. the ture to the experimental basis. The farmer of tracks, but will be educated not move in beaten methods, with new crops. The field is way to new placedin. It is barely fifty years since we tely and peari Campbells and Roved by the Downings, Wilders, years in multiplying new and delicions of these fifty caluable cereals, new and important vegetable - Imarin spectator to say :

Imagine a new cereal, in silicate armor, with a head twice
as heary and rains wrice asis nutritious as those of wheat
cereal as frififula in whe cereal as fruit ful as wheat, and as hardy as rye, would chat. A
the face of Europe. Fenge doubt to be born as important ans the mut there are grains
"But farmers are not any longer smiling at such dreams: they are working them into garden facts.
Professor Goodate, of Harvard University says There is no reason why we shall not have seedless rasp
berries, strawberries and blackberries : seedless plums; cherrie and peaches, as we and black berries sedless plams, cherries
oranges without seeds. These are some of the problems that agriculture No one to-day would eat the old-ting schoolboy grapes which were relished by our fathers. and will give wrist writes ' Give me ten years more and with a stepladder.' There is progress all be picked line-in the orchard, in the garden, and in the grain is offered by ane part of the world cannot produce is promptly supplemented by the field the schools farmer. " It must be understood that no other occupa so much educated tact, such a store so wide culture, as agriculture. If any one of the indust information collegiate training, it is this. Every science finds we shall get a style of fen we get the right schools intellectual as the of farming that will be as keenly wasteful. Our colleges will then face alligent and professional life and find their better aim to create

## Our Food Products at Paris.

departaent at the riris expostion of that the British Colonial building is apposite section of gerian pavilion on the slope of the Trocadero Garavenue from visitor comes along the rose bordered sight, rare enough at this seais attracted by the a solid mass of beautiful fresh, red-chen in Paris, of These are arranged behind plate glass at the side of pples extend facing up the avenue. The rows of so that the effect is that of ainfuches of the ground, that theeffect is that of a binfull of ten


SHORTHORN COW, ROAN MARY, AND HER TWI HEIFLR CALVES
hye fruit, in which the prevailing yed color is relieved an excellent in close to examine what thev think of to believe that the fruits some even then refuse until they have tried their flavor inspect the cold-storage showcase and the they est and have memase. They are then convinced that we ples from the different povincec of dist season'sapexhibit them in perfect condition at this time to year. The excellence of the natmal frouit and of storage plant are quite a contrant (anadian cold. ous shams that are to he fomm all over the
the agrictltural trophy
Once inside the building, the visitor:s attention it rests longest on the trophy devoted to bottled fruits and grain, which occupies the central position in the court. It has an octagonal shape and is 20 feet high. The base is fitt.d up with compreciated. Eight glass pillars filled with grain support a sort of veranda roof, beneath which are arranged some of the finest varieties of fruit and vegetables, prepared at the various Experi-
mental Farms, and representing all parts of Can-
ada ada. Among the best fruit shown are Bartlett pears, from the Horticultural society of Burling. ton, Ont.; the souvenir pears, put up by J. W. Van-
atter, of Gooderich; and the Pocklington grapes, ater, of Goderich: and the Pocklington grapes,
sent by M. Burrell, of St. Catharines. Above this
display is a pyramid display is a pyramid of bottled grains of all kinds, in fancy jars, tastefully arranged, surmounted by a flag draped mast, which, in turn, is crowned by festoons and sheaves of grain in the straw. The
whole magnificent trophy, which gives silent but imposing testimony to the agricultural resources of our country, is the work of Mr. Hay, Accounant of the Central Experimental Farm
At the right is a six-cided stand the high, on which is a display of honey, both liquid Shapes, arranged about a center of mirror glass. The upper half of the lower storey is fitted with
glass panels, behind which comb honey is seen in squares, just as it is sold. The upper two stories squares, just as it is sold. The upper two stories
are separated only by a sheet of plate glass, which supports the apex of the pyramid while resting on the tops of the bottles beneath. The effect is that
of a solid cone of glass and honey four feet high, offering almost no obstruction to the passage of light, which is transformed into the prettiest thades
of amber and pearl. This exhibit is one of the most attractive and most admired. It is the climate of Canada in liquid and crystal flowers, fra-
grance and sunshine compressed into sweetness.
ss beautiful patal.
the display of flour and oatmeal less interesting, colled oats, and other breakfast foods: this is the main exhibit, both in size and importance, of the filled with flour, flanked by smaller ones filled with wheat, support two stories, on which are the original packages in which these products are exported from Canada. There are fancy globes and jars of way of the count pecially the West that is prominent. The Lake of the Woods Milling Co.. the Hudson's Bay Co., and Jacob Steinmiller, of Walkerton, Ontario, are the largest exhibitors of flour, while the Brackman-Ker of Mount Forest, Ontario, furnish the bulk of the breakfast foods.
ear this thephy Motred (ionos. aining canned fruits and tinned meats cases, conand also a circular stand of corned beef and a dia-mond-shaped pyramid of MacLaren's Imperial cheese. The latier is a decided novelty in France,
and the neatly-labelled white jars attract much atand the neatly-labell
tention and enguirv.

Between the central trophy and the "India" entrance is a group of beverages, among which are
found ales, wines, champagnes, whiskey and gin, with a fine show of mineral waters. Beyond this case containing (aurds ginger ale soda water, vichy and other beverages. The mottles are arranged in
the form of a cone, enclosed by four large sheets of platding of canadian chery Next the beverages is forind another exhibit, including all kinds of canned fruits jams, jellies, vegetables, and meats. This display occupies a case
six feet square, nine feet high. with glass sides, and six feet square, nime reet high. with glasssides, and
a passageway all round it, so that, as in the case
of all other exhilits, the public can inspect the or ath other exhiliz

"velveteen" chocolates and bon hons, while abore gums, in their pretty show-hoxes. This exhibit. again, is a novelty to the majority of visitors, for
many of the candies are unknown here, and chew ing gum is a new-world luxury:
the cold stormie
There remains in this section only one other e hibit of note. Much has been written about it, pel the large show-case in which our chie facts, It is food products are exhibited, perfectly preserved at a temperature of from $: 3$ to to degrees, while The surrounding atmosphere is at sol degrees Fahr feet high. It has glass on the four sides and central compartment is used through which to place goods in the outer space. Behind the three
thicknesses of glass which form the sides of the case there is a space three feet wide sumpound of the central chamber. In this space are shown varietiey of apples, in original packages, boxes and barrels, just as they were shipped from (canada. Three ceiling, are covered with fine camples of from the Spies, Russets, and British Columbia Pippins, re spectively, as taken from the exhibits of the different provinces. These shelves run the full width of
the show-case, at the end nearest the central passage as it leads to the building containing the mis. eral exhibit, so that visitors are greeted at this entrance, as at the main one, by a beautiful display of apples, strikingly presented. At the opposite
end of the case are rows of cheese, white and colored, piled one above the other, the lowest heing shown in the shipping-boxes. A similar plan is
followed in the exhibit of butter, the lower boxes of which are unopened, while the upper ones have ter exposed to cases of selected eggs, with a tray arranged to side the cold-storage case is a surrounding hut rail of brass, through which brine at abouttendegrees below freezing point circulates. Its "freezing feel" startles those whe touch it into a closer examinathe announcement that the exhibit illustrates the cold-storage system of Canada, and, above all, the tiny silk flags which flutter in the current of cold quiries, which the attending refrimeration expert most willing to answer. The frames of the show case were made by W. (. Edwards id Co., of Ottajoining hasement and the appatios and planned by Professor Robertson, and installed by the chief travelling engineer of the Linde British Refrigerator Company, of London, Eingland, and by the Canadian branch. The air, which is coplied by the ammonia system, is circulated by means of in large electric fan, also through the storeroom in
the basement, where reserve stocks of fruit and cheese are kept. The efficiency of the plant and insulation is shown by the fact that less than two
dozen apples have had to be removed from the show-case since it was first stocked, nearly a month spots. Fancy relief letters madeof hoter annoused ing that it is from Canada, have kept their form perfecty, notwithstanding the great heat we have had lately. It is needless to say that the cheese is the sample offered on a stand near the show case. Intensive Agriculture with Stock

During a recent visit to the Nimnesota Stathe Experiment Farm at sisit to the Minnesota state pleased to olserve the great success following the continued efforts of Prof. Thos Shaw in growing successions of fodder crops on the same land and
appropriating it to the feeding of sheep and other stock. On the sewenteen or eighteen ateres of department, there will be grown this yoar suf
ficient fodder, apart from grain ficlent fodder, apart from grains to support about
$1: 30$ head of sheep and lambs during the ention twelve months, besides producing green fodder for 11 head of cattle and loal hoge of various ages.
Both hogs and cattle receive all they will consume of such green crops as arre suitable as the seasom
advances. Thechief crops grown are the following advances. The chief eropsprownare the following
Fall rye, corn, oats and harley, rape cow peas, soy
beans, sorghum, millet. chowrs and such roots : beans, sorghum, millet. chwers and such roots :
turnips, mangels and caronts by the use of ry
 time this is grazed down. plots of , wht and harley
sown together are ready fon theom, and when these are caten off the ree has produced a luxuriant
second growth. Quite walv in the woron plot- of
com and rape are mat in.



experiment demonstrates that \anitoha farmersco grow these crops with advantage for live stock
Probably other crops will yield as well Probably other crops will yield as well. but th power of this family of plants to enrich the soi gives it a valuable place in the rotation. Stock
relish the green plants, and the leafy hay produced from it proves to be particularly suitable for sheep. All of the crops we have mentioned, except the roots, are pastured, and during the heated season
soiling is practised with the sheep to some extent solling is practised with the sheep to some extent
during the middle of the day. The sorghum and corn for pasture are sown quite thickly in the rows, While the corn for the silo is given more room. The stock all appear thrifty and happy, the stock will be wintered on silage, roots and cured fodder of various sorts that will not be required for pasture. The plots are maintained in clean con-
dition and well cultivated, so as to retain moisture where cultivation is practicable.

## The Evils of Overcrowding

keeping is that of keeping too many birds poultryertain area of ground. For a time a large number a restricted run, but after a time disease is sure to break out and the losses then incurred will more been gained by keeping a larger number may have the first instance. There is no more fruitful cause of failure at poultry keeping among amateurs than the very common practice of overcrowding the

## Some Good Milk Yields

Cate: "I see by the prize list of one of the lamish given lat a cow there which took first prize had You must remener larger than the English, which means isio the English
record correspondent does not state that the above so, it is very good work, but it has been heavily In the is by the record of some Canadian cows. we published the report of the for July 20 th, 1839, cows in the herd of Mr. E. I). Tillson, of Tilsouburg Ont., which showed that ten of his cows gave an three days of $1.0,0 \mathrm{ll}$ los. of milk within a year and and fifteen days, $=0,1: 34$ lhso of milk, testing an aver age of $3 L^{\circ}$ butter fat, which he figured according to The usual rule, as equal to making seze los of butter Mr. Tillson's dairy herd is composed of thorn, and not quite, all Holsteins and Holstein prades Ti, are records of cows in Amer Holstem, having made over $1,(10)$ ibs. of butter in a

## Our Ncottish Letter.

We have had a most successful show of all classe of stock at Stirling in connection with the High breeders are congratulating themselves, as they very well may. The weather has been musually fine and the atcendince of the public greater that has generally been seen at shows held in Stirling long in somewhat doubtful odor amongst Scottish farmers, but a great change has taken place since Mr. James Macdonald became sectetary in lsy ty successfoll, and the Society is in close tonch with its members. The great majority of country peo
ple are in one way or another connected with it, and they attach nolittle importance to its succesthe country, beginning with Edinburgh and then taking in surcession therdeen. Dumflies, Perth, diasgow, Kerlso, Stirling and Inverness. This
circuit is, however, subject toslight modificat arent is, howerer, subjeed to slight modifications to
meot local xigencies, but in the math it is pretty faithfully adhered to. Cireat numbers of people, in gemeral, attend these shows. For wxample totake
the drawings on the third day Thorsday during a
 Le Isis: at Aberdeen in 1s) $\mathscr{E} \because=11:$ at Dumfries in


 were g.ass The lat vist patid to the theres was in 1sies when the drawings on the Thursday
ammonted to \& \& Son. Xext year. the first of the new ontury we again visit thear Highe first of the new if the repmation of the past circuit is maintained The President for this year is Iord Balfour, of Burleigh, who is alos, secretary of State for ScotI well :cat man of phlendid presence and physigue. ing wime what he is doing and does it. The lead tw the Qumen, who won the hreed champrionthip ha- mow won suptern homorat tho netional whow

and gaiety are outstanding characteristics，and goes round the ring very pleasantly，being a cap
tal walker．Her Majesty also won the female cham pionship with the two－vear－old heifer．Rose of Sharon，which stool tirst in her class at the Royal． This heifer is a little rough at the tail－root，but her．She was got by the same sire，Prince Victor her，as the foyal luke．The reserve champion female was also the Queen＇s，namely，the yearling
white heifer Maritana，ws ibiberator（ifle（v），out of a White hesc cow．This was a phenomenal perform－ Dauntless cow．hhis was a phenomenal perform－ ance from one herd，and three cheers given for
Her Majesty when all was over were liberally re－ sponded to．The reserve champion among the
bulls was owned by Mr．C．Horne（iraham－Stirling，of
 was bred by Sir John Gilmour，of Montrave，Bart．He was first in the aged class．and is a nice level animal， with excellent cover of Hesh．The Queen＇s Short－ Windsor，but at Abergeldie Mans，Ballatin，Her Majesty keeps a heid of Aberdeen－Augus cattle，
and one of these，Princess Irene 6th，erisist，by and one of these，Princess Irene 6th， the Ballind alloch Challenge Cup．This is a service－ able，useful cow，but she is relatively not as good an animal as the champions in the Shorthorn class． The champion of the A．A．breed was Mr．W．s． Brechin．He was also champion at the Roval，and is a great，massive，fleshy bull，bred at Aldbar by
Mr．Patrick（halmers．His own brother，Dela－ Mr．Patrick Chalmers．His own brother，Dela－
mere，which made 18 ；gs，at the Perth bull sale mere，which made 18i gs．at the Perth bull sale
when a calf，has been purchased for herd sire at Whena callo．had The yearling heifers in this section were of superb quality，and the Earl of Strathmore，
Glamis Castle，Forfar，was first，second and third Glamis Castle，Forfar，was first，second and third has been first in this class for six years in suc－ cession，and the（ilamis herd occupies a front place in the A．．A．breed．
meederonly，are not now in to the hands of one The breed was very largely represented at Stirling， and the outstanding quality of the females was un－ deniable，while the bulls of all ages were meritori－ ons．The best bull was declared to be Messrs．V lengthy，stylish bull，carrying himself with much gaity．The breed champion came from the same herd as that of last year that of Sir Robert Jar－ dine，of（astlemilk，Bart．，Lockerbie．Her name is Xancy Lee＂hve of（astlemilk 1．0）！and she is a sis
ter of last year＇s victor．The reserve for hreed championship was the unbeaten two－year－old heif－
er．Bell 13 th of IDrumhumphry Ias．（1）．She is owned er．Bell 13th of Drumhumphry linito．She is owned
hy her breeder，Mr．Robert T．Scott，Drumhum－ phry，Corsock，and as a yearling and two－year－old has had an unbroken career of victory．We uni
formity and quality of this heifer can hardly be
surpassed．These hardy hlack surpassed．These hardy black cattle are more tha
holding their own in the battle of the breeds，an their merits are being increasingly recognized far and near．Many hundreds of them go to England
for grazing parposes，and there＇s a deal of money for grazing purposes，and there＇s a deal of money
in them，as the butchers love them． Hightonelers are always a noble display at the
Highland Society＇s show，but this year the exhi－ bition was somewhat discounted by the splendid H．R．H．the Prince of Wales is a great ad moyal． the breed，and the exhibition at lork was chiefly due to his suggestion．His representative gave $£=i l$ at stirling show for a pair of bullock stirks，one of which，at least，will make a Smithfield winner． grandlyat York，robbed the stirling gathering of much of its interest，the best bull of the breed， Lavich，which championed the breed at York，being and，as it turned out，the hest animal of the breed also，was the Duke of tholls two－year－old Calum
Buidhe of A tholl．a short－legyed，yellow fellow， with a deal of the right kind of character．The re
 breeding to some extent as the Atholl bull，whos seat acquistiont toththant．


 whinh ha－heot wiming hi－vem all romd．His
 How．What．
powerful horse，Prince Thomas 1 wow，bred by the his present owners last year at public anction foi 900 gs．This is a horse of great weight and sub－ stance，and he is every inch a cart stallion as well as
a right good doer．Hie has already been hired for a right good doer．Ihe has already been hired for
service in 1901 ，by the Strathhogie district Society， who had him hired during the present season．The second aged horse，Lord Fauntleroy 110570, was at one time owned hy Messrs．Montgomery，and is
now owned by Mr．Herbert Webster，Morton now owned by Mr．Herbert Motster，Mortor
House，Fence Houses，Co．Durham，at whose sale the Montgomerys bought Prince Thomas． ceptional good horse named Drumflower 10， was also purchath，Blacon Point，（Chester，amt This horse is a son of Macgregor $115 /$ ，and is a great solid，massive horse．with plenty of bone and the Highland both this year and last．The two year－old class was led by a splendid horse named Baron＇s Orown 10679，owned by Mr．Herbert Web ster，and got by Baron＇s Pride 91 ，r），which great second，fifth，sixth and seventh three－year－olds：the first，second．fourth and sixth two－year－olds：and the first，third and fifth yearling colts．This is sure Iv a great record，and it is gratifying to find that
the later progeny of this horse are in the mai stronger and more powerful，with greater sub stance，than those which appeared earlier．The fe male championship went to Mr．Herlert Wehster daughter of the fine breeding horse，I Aord Lothiam jons，and a winner of the same trophy in livh．She is wearing well and has never been leaten．Brood
mares were led by the noted Iady Raffian liskr，by Mares were led by the noted lady Ratman $1 . a r k$ ，by where she has been often first．Several mares de scended from Sir Everard were prizewinners in this class，and the produce of his son，Baron＇s I＇ride
again did first－rate in the vounger classes．The again did first－rate in the oug old chases．Thi and Malmedie Queen Mab Izil：3 again led them．in the three younger classes daughters of Baron＇s Pride were first．the unbeaten Jame peans leading the three－year－olds，Mr．（iuild＇s Topsy Pride tha
two－year－olds，and the Farl of Roseleriy＇s Pomona the champion at Edinburgh，and reserve femal champion here，the yearlings．Some ideat of the al solute supremacy of this horse as a sire is seen in
the fact that his stock were，in addition，fourth and the fact that his stock were，in addition，fourth and
sixth amongst the three year－olds：second，thind fourth，fifth and sevent hamongst the two－yeat－olds： and third，fourth，sixth and seventh amongst th
yearlings．It will thus lo seen that he did pot much for any other sire．．．Scution yet

## A Sethack for the Tuberculin Test．

which has during the past few years deroted much effort in promoting the propaganda against bovine tuberculosis，contains the following：＂The tuber culin tust movement has lately had a considerable more widelyther willhave resident in the Argentine imported five high－clas pedigree Shorthorn bulls，forall of which he received purporting that they had beentested with sulberculin and found to be free from tuberculosis．On arrival at the Argentine port they were examined by the Government vet，and two of them failed to pas ordered pither to destroy hem was that he wat or return them to England．He decided to do th latter，and instructed his agent to sell them to th Gutcher，and at the same time to employ a qualifie were really suffering from tuberculosis．This wal done，and ifter very

War with the Tubereulin Test


The present week．July lith to－20th，has been rery busy week for the showyard exhibitor，the Most important langlish show bergy though，of course，the Hightand is mon important still．＂This will，no doubt，be fully deat with by your scotch representat The areat cature of this nort
is the grand clases of Homters and county shop fact，the latter form the more importank aneys ： the show．The winners included many of the be of the breed，and amongst the owners we notice Si Walter Gilley，T．W．But tle，Lord Middleton，Henry More．H．Livesey．S．Day，T．Hull．etc．Lovers of horseftesh and all who desire to see one of the hes arranged and managed shows in cingrand should show took place in 心が，with an entry of lis cattl （M）sheep， 3 pigs，and 116 horses，a total of 301 ，and these have risen to 21.3 cattle， 161 sheep，and zim from which howerer pigs were excluded by orde of the Board of Igriculture．Had these been present，the entries would have been well over the thousand．Mr．Henry Duddings noted Shom thon winning owners we noticed capt．Duncombe，Victor C．W．Cavendish，II．P．，C．W．Brierly，J．Deane were，R．Stratton，etc．Aberdeen Angus cattle were also Jersey cattle． shiremen love a good horse is a saying one often hears in the sonth，and an inspertion of the entries made at this particular show clearly demonstrate dray home were equally prominent for their quality and merit： whilst in the sheep section we have a grand entry lead the way in the single yarling ram class and also for vearling ewes．Mr．Tom（＇asswell，having sold his wimning two－shear ram to Messes．Patrick Of Canada，was an absentee，whilst Messrs．Wright first－clasis matries and ared in the．mad first－class entries and all shared in the money
allotted to these classes，Mr．II．Smith，Ir．，winning the champion prize for best three uncolored yeat ling rams．Messrs．（i．Harrison and F．T．Jordan
took the more prominent places in the Leiceta classes，and Mr：J．Lioder and the evecutors of Mr Hillis，in the Hensleydales were equally succesful．

## Lincolnshire County Show．

（On one of the hestarranged show grounds we have seen this year this Society opened its thirty
first annual show，there being a capital entry in all departments，but as many were local，their interest s not of so much importance to Canadian readers as some other shows．The herd and stud of H．R．
H．the Prince of Wales were successful，the former being represented by the grand young bull，Pride of Collynie，born in Feb．，？who took first in his class and the championship of the bull section，and
the latter by the young Shire stallion，Benedict，two the latter by the young Shire stallion，Benedict，tw． years old，who easily received first honors in a
strong class．Mr．Henry Dudding．whose herd of
Shorthornsis one of shorthorms is one of the largest，if not the largest in the county，came in for a very large share of the
prizes with i grand selection of bulls and heifers． prizes with a grand selection of bulls and heifers the Prince of Wales herd for the champion prize The total wimnings of this fine the champion wrere as follows three firsts，three seconds and a third prize，besides minor honors．Messrs．J．IE Casswell and S．E： sherp．The sheep section was a very strong one，
and from the fact that there are very strong indi and from the fact that there are very strong indi－ cations that the demand for Lincoln longwoul
shee．，beh in vom commtry and the Pnited States
 Wast．We have siven ：loethe notice than usual of higher than the comoty thew，there is no place prpieat diaplay of the breat that one does at the Imann Comis show，Mr．Hemy Dudling，whose

 manaze will toll von om his rommo the kind of fom ly，Wh．What－Howke followed typ a secome Io hi－neighter one from the old Laughton flock Whin atue in momber ，the second one of
 of pare woul merat，it＂imery frome Mre Wot （asswells thock Pat Ponton hing as hean perfection here today as he wat at the Rosal，and as he will
he at Toronto．Tondon．and hicago next fall．if all
gon well with him in hi Ihan the＂ 40.5





ported for many a day, and one which will show to coln ram at maturity should be. Messrs. S. E. Dean mer ram being one bred by Mr. J. E. Casswell mer ram being one bred by Mr. J. . E. Casswell,
which was fully typical of the high quality and merit of that first-class flock.
The yearling ewe class fou
ding not only first, but second also, with. Henry Dudthree ewes which would be very hard to beat. The first pen were third at the Royal and the second pen were first there. The latter are coming over to need a lot of heating when they arrive. They have not known what this is at home, save at the hands of their Hock mates. Messrs. Wright were third, and a capital pen of Messrs. S. E. Dean \& Son's ewes in full fleece i. $i$.e, those which have never been shorn-was a sight to see. Few men who have never sees this class can realize how grand a sight it
is. The great length of the fleece and bulky appeat is. The guat length of the fleece and bulky appear-
ance of the animals would be hard to do justice to in any written notice. Here, as in the other ewe class, Mr. Henry Dudding was easily first with as
grandly matched a quintette as could be desire Trandly matched a quintette as could be desired. ewes in the show
In both ram lamb and ewe lamb classes, wherein Mr. Dudding was not competing, Messrs. Wright won first with grand pens of three, the winning ram lamb being by a Dudding ram, and are also the three winning ewe lambs. both of these pens having been first at the Royal, there being also a Probabis second-prize pen of ewe lambs. E. Dean © Son's second-prize pen of ewe lambs may also
come to Messrs. Patrick, as their man Brooks was very sweet upon her. We may note here that the Lincoln importation Messrs. Patrick are making
this year will be found on arrival second to none in respect to both amerit and quality.
In the wool class Mr. Henry Dudding was easily first with three fleeces of that type and charac ter which has made his flock so famous all the
world over. In the class of five rams not exhibited lefore, the winning pens came from the flocks of Mefore, the winning pens came from the focks
M. Casswell. T. Casswell, and J. Pears,
W. W. (:

## Brandon Fair.

Another most gratifying success has been Assoced
Faion. Year by year the "Big Wews in popular favor, and the fair of I! 1 Mn Fair July 31 st and August Ist, End and 3rd, was, orth in the number and character of exhibits and
in attendance, the greatest success yet recorded The stock barns were overcrowded, most of the ex hibits present having come on from the Industrial. Before the grand stand a creditable programme of the entertainment of thousands of visitors. The poultry, dog and dairy buildings had been increased in size, and in each department most excel-
lent exhibits were made. A large addition had lent exhibits were made. A large addition had
been added to the main building, thus affording much needed room. In the center the Experimen-
tal Farm had erected a very handsome pryamid of tal Farm had erected a very handsome pryamid of
sheaf grains, which was greatly admired. The sheaf grains, which was greatly admired. The pains to make such displays in this building as we would expect. The agricultural implement firms were conspicuous by their absence, as at the Win-
nipeg fair. The Brandon Machine Works, the awyer-Massey Threshing Machine Co., the Armesting displays that helped to fill the space usually esting displays that h
ievoted to machinery

## horses

hibm the stand point of numbers, the horse ex the Winnipeg Industrial, but since the prizewinners at each fair were in many cases identical, the
guality of those shown at the Western was of the higher average. A few fresh individualsand teams came in here, defeating victors of the previous
week, and some of those not placed at IVinnipery rose over hors
last meeting.
Heary Brocels. The chiof exhibitors of Clydes
dales were Ness. I. A. S. Matmillan. I. F. Smith. dales were Messis, I. A.S. Macmillan. I. F. Smith.

 Winnipeg the later horse received the firs a wated
but the fomer was not placed, althongh it was but the former was not placed, although it was
pretty generally considered he shonld have b, wem.
It brandon the tables turned and Erskine Lad was the victor. The judge. Mr. Ferguson, of Smiths Falls. Ont.. took considerable time in examining
them closely, a the considered either a goot :mimal. each excelling the other in some point F Fivine
Lad. by Frskine. is of the round-ribued. hardy sort. with well-set limbs of excellent quality: while Pil
grim is of much the same useful scotch twpe. The grim is of much the same useful sootch type. The
judge preferred the formor. largely from the

champion stallion bred in Manitoba, a feat he hat tions were led the previous week. The mare secof five brood mares with foals at side. The honors in the filly sections were divided between Thompson, Macmillan, Williamson, Black, and Elder. A
notable victory was that for foals, won by Macmil. lan in a very keen contest.
Byres, was the only male of this owned by H . while the only mares out were Frank Stott's brood mare, her two-year-old daughter and foal. They The heavy draft, agricultural and
ce classes contained many meritorioneral pur both in harness and on the line. They ranged from high-class dray pairs to smart, compact and dale pattern. In the first class Messrs. Hughes and Law defeated John Stott in pairs, the latter show ing the same span on which he won 2 nd in Winni peg. . F. Rodgers won on brood mare and on or geldings, Mr. 1). T. IVison was the chief winner in the agricultural class with his well-fitted, good string that he showed so successfully in Winni peg. A notable pair shown in this class was the liamson, while A. D. McPhail's brood mare and foal deserve mentien. The general purpose tean contest waskeen, there being four creditable entries der's last year's ist prize pair. The brood mare and foal section was keenly contested, but the entries in the younger sections were light.
Light Breeds.- Apart from a few good stallions, a number of creditable entries were containough several of the sections. The coach stallions, Pasha and Ryshawk, the first and second winners at Winnipeg, were alone in their section, and retained stallions shown, and the filly or were no young were light. Four creditable, upstanding pairs contested, the red ticket going to a well-mated pair of road action. They were owned by Thos goos Atwell. The seven single entries were a mived but the winning horses were well worthy of the awards. Of the five Thoroughbred stallions shown, Dermod, owned by F. Thompson, and Rumpus,
owned by R. S. Fulton, were the only ones not showing more or less lameness. These are good horses, and won 1st and 2nd at Winnipeg, as they
did on this occasion. Mr. F. W. Shaw, (arberry showed a breedy two year-old stallion, and Alf, Y eandle, Birtle, a racy pair of three-year-old fillies. stallion, John Henry, won over Dr. Kelly's black Irotting Mitchell Boy, a thick, useful horse, and siderable speed. J. F. Kelly showed the only Young stallion in a promising hay three-year old. The remaining sections were lightly filled. There
was a good turnout of Roadsters in the severat sections, including brood mares and foals, young stock, harnessed single and double, as well as those shown under sadale. of this latter sort there was a particularly strong lot, considerably better than
the corresponding class at Winnipeg show. were eight entries, mostly of strong Thoroughbred type and of substantial size. Wm. MacMillan won
1st and H. Hole 2nd award. There were no llackneys shown, but the exhibit of ponies was creditabile.
As in other departments of the Brandon Fair, the entries in the cattle classes were more numerous
and of better quality than at any previous fair held by the society. The cattle barn was not able to accommodate all the stock, many of the old sheds having to be utilized.
Prof. Thos. Shaw.
Prof. Thos. Shaw, of the Minnesota Agricuitural
college. judged atl the cattle, giving very genum satisfaction and getting through his work ex peditiously. Xearly all the animals shown had been at the II innipeg Industrial the week previous.
i few indiviluals were entered in some of the al hreeders.
This bueed was divided into two separate classes, Nanitobar and the Territeries. and the $\$ 3.50$ cash Hom antom was romally divided heetween them. having forward a strong selectiongest exhibitom:
d hatrial "xhitht Indrew (iraham, Pomeroy, who -howing. Inthe home-thed clats, Jas. Henderaon, Brandon Showed the two year old bull, A berdeen th, bred by
 Pommorn Favorite was without comphamition. In



heifers, Golden Belle and Ninsa buble from the Graham and Greenway herds, respectively In the yearling heifers thards in the order named different from that which guided the judge at the Industrial. At the latter, Graham's smooth, finelyturned red Princess, got into the money prizes, less smooth, roan Eveline and Necklace of Pomergh were not placed. Prof. Shaw, however. favored won in the calf class, with Beauty of Prairie Home by Judge, out of the first-prize cow in this class Lily O'Day and Rose of Autumn. Graham won the herd prize.

In the open class, Graham's Robbie ODay won over Greenway's Judge, his bold, dashing carriage Bruce, Greenway's Imp piace. Cockburn's Georg sweepstakes yearling, Sittyton Hero -th alone in their respective sections, the sweepstake going again to the yearling. Graham's Knuckle class over, Cocklburn's entry. In the female sections the Prairie Home contingent had full swing. In the aged class, Roan Mary, Clara 33rd Crimson Cloud was in the order named, while second in the three-year-old class. In two 19th olds, Matchless ezth was first, and sweepstake female Minnie Bud second, and Marina third. recipients incess and Roan (ixirl were the honor be found with the placing of Graham's beautifully finished roan, Ury Girl 5th. over her successfil opponent, Greenway's Regalia, at the Industrial, as for difference of opinion, but when the room sandwiched in between these calves (ockburn roan entry, lacking in hind quarter and unplaced
at the Industrial in this class, exception might
well be taken.
Greenway got the herd prize.
There was a good showing in this class, the herds of A. Cuming, Lone Tree, and C. W. Speers, Grisaddition several entries were here made by Hon Walter Clifford, Austin. The Iustin entries won good cattle and presented in very creditable condition. Cuming won first and sweepstakes on aged cow, and first on herd. first on bull calf, first on aged and heifer 2 years. Clifford won on 3 -year-old cow yearling heifer, and heifer calves.

## Hereforiss.

J. F. Marples, of Delean, and J. ('hapman, BeresMarples won on aged buill with spotless of Ingle. side, in all the female sections except aged cow and the herd prize. Chapman won first and sweep sweepstakes bull at the Industrial; first on bull calf, and on aged cow with liairy ath

In the beef grades, Henry Nichol and J. Birchell showe the principal exhibitors. Joe Donaldson Yule entered from the Prairie Home barns the 1stand 2nd-prize fat cows, and the st-prize - year-old to Benelick \& La France, the Winnipeg wholesale butchers, who propose making an exhibit at the
Chicago Fat Stock Show.

As at the Industrial, W
Edwards, Souris exhibitors of Jlerseys. A few entries were made by local mera. Bdwards again won male sweepstakes
on the 1st-prize bull calf, A tisan of On the 1st-prize bull calf, Artisan of Brampton. ralf sections. In aged cows, Mr. Beaubear had in Rhoda Pogis a typical Jersey of extra smooth conformation, with size and constitution. Fine,
well-halanced milk vessel, prominent veins well-balanced milk vessel, prominent veins, and
extra quality of skin, her right to first place was extra quality of skin, her right to first place was
only dieputed on :tecount of her certificate of registation lwing in the. 1merican Jersey Herd
Book, insteal of th. A.J. © A. as called for by the Book, insteal of th. $A$. J. 1. . C, as called for by the
rules. Eidwards placeon aged bull, with 11 . Curtis. Becomes. He farst won first on yearling bull, first on - yean-old heifer, and first on lierds. Wrember:
Throughout this class the Grystal city herd had merit and brought out in high fit; some of them with perhaps a trifte too much flesh to show their for went to $\mathrm{M}_{r}$. (ireenway's entries. All prizes competed ter, Brandon, showed a growthy $\%$-year-old bull of goxd dairy form. This exhibitor also showed two splendid specimens of the general purpose cow in
the grade dairy class ; they showed Shorthorn and

Jas. Glennie Longburn, and A. B. Potter, Mont Comery, were the principal exhibitors in this class.
Cilennio won first and sweepstakes on his 3 -year-old hull, Tempest 3 rd's (lothildakes on his 3 -year-old ampy form, fine shoulders, greal depth, and fine
calf with Chief Mercedes De Kiol. first and second on aged cows with Daisy Teake's Queen and Sadie
Teake's Beauty, first on :-year-old with Flosettia Teake, first and second on yearling heifers, and the herd prize. Potter won on 2 vear-old bull and
heifer calf. and several seconds. Wm. Ranson Carberry, was atone in the aged bult class with Hayfield Prince Clothilde.

The sheep exhibit at Brandon was largely repetition of that made at Winnipeg the previous closely followed by Mr. John Mctqueen, Carievale Man. There were some changes, however, in the
personnel of the contestants and some slight variation in the awards. In Southdowns, the On tario exhibit of Mr. W. M. Smith was alone, as was also the Dorset exhibit of K. H. Harding. but since rizes were alternately awarded to W. T. I, wtle and Mr. Harding. respectively, the former showing the only flock of Lincolns. In Shropshires, the flocks of Messrs. Corbitt and Greenway contested, the
former winning all the firsts on his well-fitted focks. Messrs. Jickling and Jull faced each other in Oxfords, as they had done in Winnipeg, but as each flock was strong and well brought out, there were some changes in the awards, favoring new exhibitor, had a few creditable entries here The Leicester exhibit at Brandon, as at Winnipeg, as particularly admired becallse of the excellence and finish of Mr. Gamley's flock. His only com useful ram and pair of ewes, on which he won second awards. It was Mr. 'iamley's Leicesters hat defeated all other breeds in the open flock

This year's exhibit of swine at the Brandon Fai Was in e very respect the largest and best in the his
tory of the fair. Mr. Sharpe Butterfield, of Lon tory of the fair. Mr. Sharpe Butterfield, of Lon-
don, Ont., acted as judge. His decisions generally gave satisfaction, but his leanings were rather to the smoother and finer sorts than to the long, deep-sided type now in demand, consequently some
of the awards as placed by Thos. Teasdale at the Industrial were overturned.
The herds of the Hon. Thos Icciill, of Neeparwa, had come Go and made up the exhibit of this always popular reed. The yearling boar, Victor, from the prairie Home pens, was first and sweepstakes. Ic won as at Winnipeg. a year and under six month aged sows when (ireenway's Daisy was in the ahead of McGill's Charmer, and in sows under two years (ireenway's Industrial sweepstakes sow, Ex hibition Beauty, of Cox breeding, was turned down in favor of Crystal City Maid, from the same pens,
In sows under a year, Greenway's Cox-bred entries won in the same order as at Winnipeg. Mc(iil won in sows under six months, and also in sow and litter. The female sweepstakes
ning vearling Crystal City Maid.

In this breed a gool showing was made by Messrs. Greenway and Potter, and Brethour id Saunders, of Burford, Ont. Greenway won it yearling boars with the Flatt bred boar shown a
the Industrial by Cockburn. This boar also won sweepstakes, Poter's Summer Hill Sampson com ing second. The Ontario exhibitors won in boar: nder a year winn second months. In both yearling and aged sows the (onario entries won, with (ireenway second in both sections, while Greenway won both first and second
in sows minder a year and under six month fer winning the sow and litter prize. The femal championship went to Brethour \& Saunders.
L. A. Bradley, Portage la Prairie, made a very
reditable exhibit in this class, winning all the Hsts, including male and female championship,
with the following exceptions: First for boar un rer a year was won by J, B. Jickling, Carman and IN. N. Smith. Fairfield Plains, Ont, had for ard the winning pigs under six months.
The Brandon prize list recognizes the principal hreeds of bacon-type hogs, and bunches all others in a chass for "any ot her variety of purenduding W: I. Trann' Poland (hinas and Wm.



Proposed Buftak: Bairy Tost Heqdared off

Flatt's Great Sale of Shorthorns. The faith of the friends of the shorthorns that hey would break the public sale record of price realized at Mr. W. I). Flatt's great disposal of cattle
 the substantial average price of sinc.30. The great
gathering of earnest and intelligent breeders and stockmen from many states and most of the provinces of Canada assembled in the rotunda of
the magnificent sale pavilion in Dexter Park was he magnificent sale pavilion in Dexter Park was and the breed, while the character and puality of the stock exposed augmented the feeling of safety in buying at any reasonable price. By common cansent, they were conceded to be a capital class of ime for preparation since the holding of a summe sale was decided upon. and the facts that most of the animals had but recently passed through the rying ordeals of an ocean voyage, a nimety days
garantine, a pair of tuberculin tests, two or three ong railway shipments, a fight with the plague of flies, and the fiery trial of a week in Chicago in the og days with the mercury mercilessly lingering condition of the cattle when led into the ring was a credit to the judgment and skill of Mr. Flatt and Manager smith, and to the industry and care of he capable staff of herdsmen in charge. Too much genial, courteous and resourceful Live Stock Agent of the Union Stock Yards © Transit Co., and superintendent of the Dexter Park stables and
pavilion, in which is to be held the great Inter pavilion, in which is to be held the great Inter-
national Live Stock Show in the first week of national Live Stock Show in the first week of
December next. for the untiring interest taken by him in the success of the sale, the comfort of the animals, and the entertainment of the visitors. If
the cattle and the risk had been his own he could hardly have given closer attention or erinced a more genuine interest in the ontcome. The great
auctioneer, Col. F. M. Woods, of Lincoln. Nehraska, auctioneer, (ol. N. M. Woods, of Lincoln. Nehraska,
a born orator, in his best form, divested of coat and vaistcoat, with the eye of an eagle and a voice like
trumpet, in his splendid opening address paid an eloquent tribute to the cow and the prominent part She plays as a tactor waist was the perailing costume for men as well as women, and Col. Woods kept the company in the best of humor throughout the sale.
despite the sweltering heat, which was exceedingly despite the sweltering heat, which was exceedingly ppressive for many of the best amimals the $\$ 10(1)$ bids till near the closing of the contest in eacl ase, when they dropped to ser, and it was only in a few instances that lids came as low as so. Yet vere made, as men were evidently looking for hargains and getting them.
The Dominion was well represented by enter prising breeders, who did some plucky bidding, but
the Western men were too many for them, and the Western men were too many for them, and
seemed determined to verify the saving that it is west ward the Shorthorn star as well as the star of the empire takes its Way. Only four out of the fifty-nine amimals sold fell to the bids of Canadian bargains at the prices paid. lmong the Camadian contingent present we noticed the following: Hon John Dryden, Minister of Agriculture for (ontario: Cargill, (argill, Ont: (apt. T, Fe Robison, Mi P P Eagene Patrick, Ilderton, Ont. II. (romettirmiper Sames Vule, ('rystal (ity, Manitoha, W. B, Watt. Hightield;J. W. Barnett, Rockland:R. (iibom, DelaWare: Harry Smith, Hay: Henry Wade, Toronto:
Robert Millei.Stouff ville: Joh Miller, Broughan:T Robert Nille , Souff ville: John Miller, Brougham:
(iundry, (ioderich: I. Ira Flatt, Hamiton: D. Weld, J. B Spencer, London. : Sold heifer, Mayflower The red imported two yearold heifer Mayflower highest price in the sale, falling to the bid of (col ane of the very het individuals and he ing within bargains of the day Nayflower the. a Dan founsearold to E. W. Bowen, of Delphi. Ind Roan Bees,
 The vearling heifer. Queen of the Lomans, wimner the herd of (apt, Robsom, Was a pime farorit, cow Nite fame of ypringtield ohio The (anatian



 He-r. It damell is con of tavill. Ont. Thi QAn): the nime-month hall alt. Masenta, il imp hat the proposed da The action of the vario practically imposible to

n the pre-eminence of the breed as pronounced by
he public, who on this occasion bure backed their The a verage of serb is made by coupling with heir dams three calves catalogned with them, though sold separately.
Following is the list of animals sold, with ad dress of purchasers, and price:
 Belle of the Ireher timp,1, year: F.F.Failor. Xewton.Iowa 18
 Iowa. Corone tiup,l, 1 yar: W, L, Landon, Winona, Minn... Crabbtone shepherdess, Q ycars: F. F. Fator, Newton, Dalmeny Xompareithth (impol Q years and h. $\because$ : F. S hora selamford, । years: Geo. Harding \& Son, Wan Fair Du hese (imp.). I years: F.... Edwarde. Weloster
 wal, lowa,
vabel limp, 3 years : 1 . X. Schlocman
$\qquad$ Mary (impl.ty years, and h.c.: (ieorge E. Ward, Ha warden, Matchlew lith 4 years : Geo. F. Ward Maytuwer th (imp) : years: F: W. Bowen, Delphi, Ind. May Queen (imp, 2 Sears John Isace Mark ham, Meadow Reauty bith imp., tyears: E. W. Bowen xiddred bith. 4 years: F. K Kelly
yilkmaid timp. 3 years: F. F. Failor











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## Whitewashing Poultry Honses

 asme whitewashing brush is not nearly so freely Whpliance were more tarcely availed of by those fince of the destructive disease onthreaks which of the combury. lice and other pards in many parts of the comity. Lice and other parasites would alsothe Lese provilent than they are if the insides of Conlty homers wew mone regularly treated to a pectally he montof the way corners, of poultry of arathom angh aturation with astrong solution inve. now

Neepawa Summer Fair
The Beantiful Plains Igricultural Society have at Neepawa. For the first time in the history of the Association a summer fair was this year held.
the dates being August Th and Sth. The weather was fine, although exceedingly hot. The Associa tion is yearly improving their stabling accommo dation, and also adding other permanent improveents to their grounds. President G. S. MeGreg board of directors, took a great deal of pains to make the fair a success in every detail, and deserve due credit for unselfish labor devoted to a good nent success of any agricultural country lies in the nent success of any agricultural country lies in the
number and quality of its live stock, and it is very gratifying to note the large increase in the number of exhibits of all kinds of live stock at this every department of live stock, except sheep, the exhibition was a gratifying success. In horses the number was nearly double that of any previous year and the competition was in many sections
keen. The judges were appointed to award the premiums in each of the different classes, heave horses being judged by John E. Smith, Brandon, and F. B. Davidson, Neepawa, and light horses by ton, V.S., Carberry. General satisfaction was yiven throughout, but certainly one judge could have done all the work just as well and more expe-
ditiously than two. itiously than two.
Shire, there were for aged stallion. ('lydesidale on Shire, there were four entries. S. Mclean's Pride
of the West, by the famous old horse, Charming Charlie, was awarded first place. He is a drafty, well-topped young horse. J. T. Murro's shire,
Grove Ringmaster, wasplaced of fair good quality, but somewhat under size.
Hugh Stewart's Woodbine Prince, the best actioned horse in the ring, but lacking in scale and light in the quarters, was highly commended. The
old horse, Charming Charlie, owned be S. Nel has outgrown his show yard form, and did not get a place. Three teams were entered in the draft class, Ist going to a handsome, showy team of light
greys, of Percheron breeding, shown by Rolert greys, of Percheron breeding, shown by Robert shown in thin condition, were Mod, with a good,
strong, useful team of $\mathbf{J}$. W. Jackson's, also in strong, useful team of $\mathbf{J}, \mathbf{W}$. Jackson's, also in
working condition, highly commended. brood mares competed, the 1 st going to K . Elliott and 2nd to J. T. Munro. There were four draft
foals, three of which were particularly good ones. After a careful scrutiny, the judges selected Alex. master for lst place, R. Elliots Pride of the West master for ist place, R. Elliot's Pride of the West
foal got 2nd, and J. E. Curtis' Ringmaster colt, highly commended. In. T. Munro won on two year-
old and S. Mclean on vearling The agriculiural old and S. Mc-Lean on vearling. The agricultural
class was a large one throughout-so large in some class was a large one throughout-so large in some
sections that at the request of the judges the direct ors opened special sections for general purpose
brood mares, foals and teams. brood mares, foals and teams.

There were four teams in the agricultural class:
(C. Humiston 1st, with a useful, well -matched pair of Clydesdale bred horses, well brought out; Alex. Kitchie getting End on a team of similar type, also well shown. In the brood mare class there were nine competitors: S. Mclean 1st, T.
Grasby 2nd, and S. Benson highly commended Giashy foals lined up. and it required considerable time before the judges could satisty themselves :
to the merits of the respective competitors. to the merits of the respective competitors. by ivalter Card, was given lst place with Stephen Benton's colt a close 2nd, and Curtis entry Stephen In the younger classes most of the entries were
shown in ordinary field condition. I). Fanor shown in ordinary a well-developed, strong, useful three yearold, brought out in good shape. She was awarded
ist. J. Curtis won in the two-year-old, and also in yearlings. In the general purpose class five teams Willoughby, In the brood mares Walter Card Won 1st and Mrs. R. (i. Street 2 nd. and in foals
$\mathbf{V m}$. Thompson lst and James Coulter In the carriage class there was considerable com-
petition, although there were very few entries of particular individual merit. Six faals were shown.
several of them being exceedingly promising younsters, most of these by the Coach stallion. Golden King, the only one shown in this class, owned
by Hugh Stewart. Arden. W. J. Vanning won
with a verv nice foal. R. Hatpenny End. Tn the with a very nice fald, R. Hatpenny 2nd. In the
other junior sections nothing specially meritorions appeared. In single drivers John Jackon won
1stand Robert Burns-md. In teams. Willoughty 1st and M. Kilpatrick - Ond . Rometers-In this class two Stamdard-hed tal.
lions were shown. Damo shown hy Stewat bros 1st, and Harry Fimmett, thown hy Willomght,
end. In brood mares and in foals. Benoon had the winning numbers, with a revi heredy lowking
 good foal. Filward Falli - End li,



Master were placed in the following onder: Nex
Miller, lat prize draft fual, and J. A. Curtizend and Brd. The owner of the Clydesdate. Pride of the year olds by his horse, which were won by two sou, I. Eamor and Robert Filliott specials were
also offered by the owner of the (Ivdesdiale. Chair man, the awards going to Walter (ard, J. Coulter, and W. Thompson, in the order named. -eepawa Plains devoted their attention almost clusively to wheat-raising, and the stock exibit at the annual fairs contained but few entries. This ear. however, there were no less than four herds exhibitors. Six aged bulls lined up in the short-venly-fleshed coan bull bitiel Leader, a smooth, Brandon, was awarded the lst place. He is some. clearly entitled him to this position, and also enabled him to win the Cattle Breedery diploma for the best bull, any age, of any beef lreed. W, (i
Pollock had the and prize bull in I'nion Hero, a smooth bull of good quality, but not as well wish. This left unplaced 1. Leats Stanley Tth, I. Sir Hamilton's Monarch of Sourisville, J. H. Lang's son. George Little showed a good. useful yearling Westbourne. Robert scott had the only entry in bull calves a rery young one. The section for Scottis Duchess of Langford, a smooth, thick fleshed white, and sud to W. Caud's roam. With the exception of the lst prize cow, all were shown from the pastures. Scott had two good entries in the two year-old heifer class. IV. Card had one of the best things in the show in a heifer calf sired by his stock bull. She is smooth, thick, deep, with the best females in his herd, but headed it with bull calf only a few weeks old This doubtless decided the herd prize in favor of Walter Card's herd
headed by his Ist prize aged bull. I few Hereford headed by his 1 st prize aged bull. A few Herefords
were shown in very fair condition by James Robertson. I). Is Hamilton showed a Jersey cow and heifer without competition. The grade classer were fairly well filled with goobl, useful sorts the younger sections. A. (caswell won lst on milking cow. The cattle were judged by (ieorge
Hope, Carbery, and D. Hamilton, of Shoal Lake ope, Carbery, and D. Hamilton, of Shoal Lake. exhibit in this department continues to grow. The ing representatives frem the herds of J. A. Mcliill, Joseph Laidler, (ieorge 1). Ross, and Robert Hope Five aged boars were turned into the ring, all of
them above average merit. Mc(iill had in Gene Booth, the 2nd-prize aged boar at Winnipeg, the
1st-prize winner, here. His place was strongly dis puted, however, hy Ross' Lord Rden, a strong, well Laidler showed Houest Tom, by Fitz Lee, and a good hog. bred by iz. Mckenzie. of Hligh Bluff, but rather young for the competition. Mc(iill won 1st and 2nd on hoars under a year, and lst on hoar standard Herd four grand. good sows were turned Out in the aged class, the Ist going to (hamer, the Norah. Rovs also had a good entry in this class but she was young and mursing a litter of pigs, and however, End prize for sow and litter. Hopers entry winning lst with a litter of very handome pigy the pigs were too young to show to good advantage-
If(iill won lit, and I Laidler -nd, on sow under six months, hoth of them very meritorious entries for best boar: There were twoexhibiton of Yorkshires dien. Iunn, who won lot on sow. with a
snooth. lengthy, evensided -ow : aloo on sow and litter ist on buar over si months, he having purwimere under six month, at Wimnipeg and Bran-
don). Tothis hoar was anvarded the diplomat in this clats. Dunn also won 2nd on lwar under six mont hy and sow muder six months. The other exhithitor in
thit clase was James Walker. who won zend on -ow,
end on sow and litter. It on boar orer a vear. on honar under six months ond lat on sow amder six
 Poland (hinat, having forwardone har amdasow,
 hewpand hore and left no rown for complatint on
thepart of the exhititen-


H. Hutchinson, Light Brahmas; J, F. Walker,
lirown Leghorns: R. Cruick hank, turkey: WVal ter Card, geese; and T. E. Harrison, Pekin ducks. The special offered by the I nion Bank for ten bushels of Red Fyfe wheat grown in the County of
Beautiful Plains brought out a good exhibit, F. C. Harris winning 1st, and John Duncan 3nd. Harris also won on the four-bushel lot, P. M. Stewart 2nd. ples of white oats were shown. Wim. viller, lst. ples of white oats were shown. Wm. Miller, 1st; harley, and Geo. Dunn 1st on two-rowed barley and $\mathbf{J}$. B. Govenlock on peas. Two very clean samples of timothy seed were shown; 1st prize went to
1). McNabb, Znd to J. H. Irwin. James Robertson showed Brome grass and rye grass seed, also these grasses in sheaf. J. W. Drysdale won lst on a very good collection of grains in sheaf.
considering the season; in fact, by all pabldy good, we have seen anywhere this season. The principal exhibitors were: J. Wakefield, H. M. Hutchinson, Col. Aitwood. Saswell, B. Govenlock, W. Brydon, and sample of cultivatedand wild plums, asdid also good Watt. Robert Eilliott showed half it dozen of very hopeful-looking crab apples, but of course the fruit The dairy products were judged by Dairy fuper The dairyproducts were judged by Dairy supervery unfavorable as the excessive heat had nearly ruined the condition of most of the exhibits before they arrived, and the arrangements for keeping
butter in the exhibition building were entirely in adequate for hot weather. The principal prize went to Mesdames Halpenny, James Robert son, J. Andrew, and II. F. Warne. There was a
verv creditable, exhibit of homemade bread, cakes etc., and in the ladies department the entries wer numerous, of good quality, and tastefully ar ranged.
Provin
Provincial Weed Inspector Braithwaite had an building, and was present to explain the nature and characteristics, and best methods of eradication.

## Improving Cereals.

Quite appropriately, the Minnesota Agricultural the impental Farm devotes especial attention to whichprovement of wheat and other cereals, for years carried on a class of scientific Hayes has for dertaken to any extent by other similar institu tions. The effort and object is not only to increas the producing power of the best-known varieties of hybridization, selection and otherwise, the milling harvesting and other desirable pualities of these crops. isesides the production of new varieties by work is carried on fertilization, a more extensive tions, conducted somewhat as follows : ties of proved value, or well-established, promising hybrids, from 1,100 to $2,(0)$ ) selected seeds are plant
ed four incbes apart each way ripe, 100 of the best plants are selected and each har vested separately in envelopes. When the grain has become firm and dry, the envelopes, each of Wheh eontain the produce of one plant, are The next spring (10) seeds are selecteed from these and planted four inches apart, and from these the ten best plants are chosen, and harvested separate planting. This is carried on year after year until the superior qualities of the plant are so firmly es tablished that an increase of seed can now be com
menced. lhy carefully hushanding the menced. by carefuly husbanding the increase quantities is seon produced and placed in the hands of careful, clean farmers, who in many cases become seed-grann growers and distributors. Were this the work of the station in these lines would be lost, but Prof. Hayes has ably guarded against this oy a well-planned system, worked out by himself, farmers in almost every county of the Withte. When a variety has proved its superiority, and enough
for the first distribution has been produced, known ced growing farmers are allowed a start at $\$ 1.25$ of the crop will be sold for seed. Prof. Haves ab ints the growers to find purchasers by issuing cir quars from the station teferring to the excellent improved varioties are hoinf encrally yearsthes Thpowat wariet the are being generally grown over the State might easily be expected to increase from
one to three bu-hels per acre of the best quality of Our time with Prof. Hayes was very hrief and rent and the wheat plots then in coirse of har F-ting. Similar work is carried on with oats, bar
 at tol- in cultivation, rotation and the like. that it would setm, from a vi-itors point of view
that the expenditure in Prof Hayes department


Brandon Milk Test．
At the Brandon Fair a milh test was held undel similar rutes as at the Inlustrial．The Holstein $\$ 25$ in cash prizes．Wairy Superintendent Murray conducted the test，with the following results


## August Crop Report．

As might be expected as a result of the unusua weather conditions experienced this season，the
August crop report issued by the Department of Agriculture indicates the lowest average wheat yield ever recorded in Manitoba，viz，6土 bushels on the total area estimated sown to wheat．But o
this area（ $1, \$ M(\mathbb{i}, 215$ acres） $34,3,819$ acres are reported as having been destroyed by drought or wind，leav ing an average yield of $7!$ bushels per acre on the 1，t57． $2: 36$ acres left to be harvested，which would
make the total vield nearly $11,000,000$ ．This is prob make the total yield nearly $11,000,000$ ．This is prob－ the crop conditions at this date are unique．In the same field，when the harvest began，there was wheat fully ripe and other grain that had not ger
minated till the rains came，about the end of June， that was little more than headed out．
In tabular form the figures read ：
Area destroved bv drought and wind

|  | Wheat． | Mats． | Barley． |
| :---: | :---: | :---: | :---: |
|  |  | Aree |  |
| －W．Diotrive | 边 | （10x | 20， |
| XC．Di－trict | （is） H （1） | Higiomi | （1）．0x） |
| －Ditrict | \％111 | 哭230 | 6， $6.6 \pm$ |
| District | －150010 | III |  |
| Tow， 1 | 3¢ 019 | 113．sy | －3．41 | In the spotings，thin anreage formon the acreage sown




Total

| mamers． |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Area in | Vield per |  |
| 3．W．District | 16.9 mm | 16.5 | 示心穴 |
| S．W．District ． | 29．03\％ | 16.5 | 191．152 |
| §．C．District． |  | 16. |  |
| S．C－District | 边 | 17.1 |  |
| E．District． | 3x10 | 19.1 | ：17，137 |
| Total． | 135．111 | 17.3 | 2.680 .815 |
|  | Area in | Yield per | Tota！Tield |
|  |  |  | susher：0 |
|  | － | 111 |  |
| Peas | －is | ， | 6，010 |
| Acres re－sown for fodder crop ： |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Total |  |  |  |
|  |  |  |  | REAKING AND sCMMER－FALLOW



District．．．
 eport，good farming shows itself tuore emphatical y than ever before，properly worked summer
fallows，where not drifted by the winds，giving，in almost all cases，fairly good results．The test plots on the Brandon Experimental Farm are referred to where on soil exactly similar and under like pre
vious treatment the effects of poor，indifferent，and careful soil cultivation show results corresponding to the treatment given－poor，indifferent or good，as
the case may be．Reference is also made to nox the case may be．Reference is also made to nox
ious weeds．which made little or no growth till after the rains came，but which in many section have since that time shown their wonderful recu perative powers．The good work done under the tion of the grasshoppers in some of the light soil

daisy teakes odeen
weepstakes Holitein cow．Winnipeg Industrial fxhibition
districts of the central portion of the Province is also referred to
The live stock interests receive passing refer ence，the conditions being reported generally
favorable，with an ample supply of fodder now in sight．

Fort（Qu＇Appelle Exhibition．
The Central Assimiboia Agricutural Society held August 2 nd and 3 rd．The grounds are beautifull ocated in the（Qu＇Appelle Valley and this vear neri sheds for horses，cattle，sheep and pigs have been built．

## Attle：

The ex hibit of cattle was good．there beng more reeds represented than at any previous exhibition marked improvement in the quality of the stock was to be noticed．The shorthorn sections were well filled，and the competition keen．The lst prize n aged bulls went to a well－brought－out roan， Hayward ：he was sired by Indian Warrior：：2nd going to a large red lull，Comedian worlis，sired by British Flag，owned by J．R．North，Fort Wiu＇Appelle．In the two－year－old class，Robt．
Douglas，Hayward，showed a shapely red and white in Quaker Prince 3027.3 ，sired by colden Royal $2+412-$ and bred by J．H．Kinnear，Souris． He was awarded 1st place，the 2nd going to Chas
Stephens＇（Saltoun）roan，（ilencarse $2502=$ a good roan yearling，sired by Lynden Chief agh belonging to J．A．Mellonald，of Ft． Qu Appelle，was atwarded the red ticket in yearling class，A very promising young bull calf，Captain
（），shown by J．J．Shore，Ft．（QuAppelle，won in the chasis mider one yeare，Kenlis Prince， $31973=$ ， Wed by Lakeview Dick，and out of L ody Constance， The selton for wows three gears and over
and 116s ，owned by ．，R．North，was awarted he lst place，and a handsome large cow，the dam econd place．In two－year－old and yearling heifers， los．Gilenn was awarded list prizes．
A typical Jersey boll．Trimoph of Belveder Hrs M Jones，Brockville，Ont．，and owned by John A．I．French，Ft．Qu＇Appelle，was awarded 1st prize and diploma in the dairy breeds．
J．P．D．Van Vien，of Lakeview Ranch，File young stock，especially，being of high merit．He houng stock，especialy，being of high merit．He herd was headed by a young bull imported from the Stone Stock co，Guelph，Ont，，and the founda \＆．Smith，Brandon．Three young Hereford bulls recently sold by Mr．Van Veen to J．A．McDonald Ft．Qui Appelle，were exhibited by him，and were were shown：however，a fine large cow bred at the Experimental Farm，Ottawa，and exhibited by Jos． ilenn，very worthily represented the breed．
In Galloways，Mr．Van Veen was a large
winner，showing a number of typical animals．The herd was headed by a bull purchased from i）， McRae，Ginelph，Ont．
Two special prizes，one being a silver cup valued at $\$ .0$ ，given by the Hudson＇s Bay Co．for bull and number of exhilitors and a very superior lot of mimals．John R．North＇s herd，consisting of three strong femates and headed by his herd bull，come McDonald，whose females were weaker，but his vearling bull，Rattler，added much to the strength of his herd．The grades were out in larger numbers than the pure－breds，and were brought out in very taken off the grass．The section calling for jus with calf at foot brought out seven competitors， 1 st Going to La Munson，Ft．Qu＇A ppelle，on a Shorthorn holstein cross；2nd gong to a Shorthorn grad horn grade shown by Mr．I）．White，of Hayward The most exciting contest was that for fat steer； ow or heifer any breed．There were ten competi or＇s．Ahoing won for the Herefords on a choice heifer shown by Van Veen．
Professor Thos．Shaw，of the Minnesota Agricul ural College，who judged the cattle，made the judging ring a center of interest by explaining his aing the animals before him to illustrate the points referred to．Could this be more generally ane，the agricultural exhibition wonld prove vastly he Professor＇s awards gave general satisfaction The milk test to ascertain the best milk cow of any breed．judged by actual test，milking to be dire at $\mathrm{i}^{\mathrm{p} . \mathrm{m} . \mathrm{m}}$ ． Seven cows were entered，and the test was con－ ment Dailry at Campbell，Manager of the Govern－ nent Dairy at Qu Appelle Station，and one of the pelle Station．The result gave 1st and end prizes o two Shorthorn grades exhibited by（ieo．Reid， hersey pppelle，3rd going to J．A．I．French on ： morning＇s milking ：

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M-1,
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The exhibit of horses was acknowledged by all o be the best in the history of the society ser Rengina，placed the awards，and gave good solice in the heavy draft class，a big bay（llyde stallion， ith good bone and stylish action，was awarded not less than 2 ，（iik）lbs．，soundness to be considered， there were five teams of good useful horses entered． nated pair of gray（llydes good movers．A well－ Donald．were awarded ist place the oy J．A．Mc team of dark bays owned by J．Booth，Indian Head， dosely followed hy a mice pair of dark brown mares geldings not less than $\rightarrow$ s（i）lbs ferdged of mares or
 farorites，Ind going to J．Booth and 3rd to R．S． The don． l ， trongest competition being was better filled，the mares with foal at side，there being ten competitors In this section，a useful－looking lot with fairly good bred mare owned by a second went to N．Walsh，File Hills，on a mare of Sercheron breeding，and sid to E．C．Maloney．Fit． R11－ppelle．The section for foals of 1900 followed， owned hy F aration the of Clyde breeding， pelle Station：3rd also ivent to Mr．Jaloney，（ ${ }^{(1)}$ Ap There were six competitors in the section for teams not to exceed 2．Wid ths，and they were a Gmadian－hred mares and a Shire stallion，owned Ganadian－hred mares and a shire stallion，owned
and raised hy I）．White，Hayward，was awarded

Ist place, 2nd going to . Idd. Davison. Indian Head matched team of white faced bays owned by 11 tion in the Road and Carriage was more competiother, the sections being fairly class than in any
well filled. A two year-old bay stallion of good size, and a fair mover,
wats awarded lst place. He is owned by J. F. Black was awarded lst place. He is owne
stock, of Wide-awake Settlement.
Suck, of Wide-a wake Settlement.
to Geo. Gars of drivers entered the ring, Ist going Edgeley, and 3rd to F. W. Seymour, Springbrook. There were seven single drivers, R. Jackson, hrown mare of Hackney type. Second went dark hrown mare of Hackney type. Second went to J.
Booth on a big mare of the Coach type. Third went to $A$. Davidson on a neat bay
The saddle horse competitions fo
The saddle horse competitions for men and ladies were keenly contested, especially so in the latter.
It was really a clever exbibition that the voung ladies gave. Out of five competitors under 15 years of age, Miss Rulby Dick was considered the best rider. H. (\%. Lawson captured the red ticket for grntemen riders.
A few Shropshires were exhibited by Joser Fhessint, Wdgely. Fred T. Skinner, Katepwe, showed a few good Berkshire and Tamworth hogs
The aged Berk. sow, Madam Patti, sired by Black The aged Berk. sow, Madam Patti, sired by Black
Jack $11 \times 3$, of Highclere blood, and a young loar were good ones, as was also the Tamworth sow, Aweme 14is , bred at the Experimental Farm,
Ottawa, and purchased by Mr. Skinner from the Ottawi and purch
Indian Head Farm.
The exhibit of
The exhibit of red Fyfe wheat was very good. The Directors, in making the prize list, being determined to draw out competition, had offered seven prizes in this section. Alex. Donaldson, Qu'A ppelle,
with a splendid sample, was awarded lst place. This same exhibitor was the 1st-prize winner at Winnipeg Exhibition. F. T. Skinner was the Ist-prize winner in oats, and exhibited a fairly good sample. and Leghorn chickens of $19(0)$ were shown, also aged birds of this breed. Pekin ducks were also
shown. The exhibit of garden vegetables we shown. The exhibit of garden vegetables was the
best we have seen this year at a local exhibition. best we have seen this year at a local exhibition. object lessons of their handiwork
The Indian exhibit from
the Fit. Qu'Appelle Mis
sion School served to show what adepts these in knitting, in making in knitting, in making shirts and dresses, mats, Milits, beadwork, etc much admired. The Northwest Government had a and the Weed Inspector exhibited samples of the harmful weeds and adof eradication.
After luncheon, in the
Directors' tent, a few short iddresses were made, thi first speaker being Prof.


GOME TOPPERG FROM THE SHORTHORN HERD OF ANDREW GRAHAM, POMEROY, MANITOBA

## Brandon Fair

## \section*{POULTK1} <br>  

$\qquad$
The increased accommodation in the dairy building was
greatly appreciated, and made possble the inspect on of the
aery excellent exhibit by the many interested visitors. Dairy
 Superintendent Murray acted as judge and found very con
siderable difticulty in anating decisions in many clases as so
inuch hof the butter was of niformin much of the butter was of nuiformuls high quatilit. Theserins on
dairy butter ran very high. In the farm dairy, 3 -pound crock
there were soult us dairy butter ran very high. In the farm dairy, 30-pound crock-
there were some 18 entries, the winners ranking as below
Jolin Rolston, Rapid (ify? Robt wol


 But three creameries compet, Rapid City, Brandon, and
Morrir, the prizes being avarded in the above order. The
cheese exhibit was small. Ren Inutton, Birtle was alits. Trize cheese exhibit was small. Ben DMutton, Birtle was a atrits. Trize
winner on a good sample of factory cheese. The dairy supply
companies had tent plo companies had tente on of thectory cheese. The dairy supply
business througlont the tweek. The 1 and each did a rushing Musiness throuyleo the week. The R. A. I Itcer Co exhibited
 gricultural prodicts.
in A vers creditable exhibit of grains of 1 sym and green grain
it theaf of the preent enear was made and some of the exhib.
 collection of grains and graiss ecds to made by J. J. M. Vooddick.
Brandon Hills, was eecrured for Brandon Hill. was secured for the exhibit bein, made by the
Immigration Department at the Kansas and Illinois sion Immigration IVepartment at the Kansa and Ilinois State
fair gand will then be sent to larian the open ection for
fied Fyfe wheat. (ieo. Burton, Forrest, won with a very bright Red Fyfe wheat, (ceo Burton, Forrest, won with a very bright open sonls to Brandole electoral divisionond, In the section Brandon, won on white pats twith Geo. Burton, Forret ieseond:
Int the collect tonn not less than ten varieties. J. Mi Roddick
won fint. W. Saundcroon second


Among the Implement Men.


 The two roans, , ired by Imp. Knuckle Imater, were fint -prize bull calf and second prize heifer calf ; the red loull.




 o. goors, and AX Rays plows.
MACHINERY ON THE GROUNISS
machine companties ond the wirnnipeg Industrial a few threshing

 The IV. Be. Thatrong Compengl, of Guelph. Ont, showed a
vers full line of bugkies and carriages, all up to date and
beautifulls furnished A An exhibit in this line was also made by larshull, HClls

of the most successful of modern inventions for use on the
for cooking feed
The Cunif Siuble Burner was also on exhibition.





The Value of Deep Plowing.
I believe the question you have been devoting
considerable attention to for the considerable attention to for the past two or three fion of moisture, is one of the utmost ine conservathe farmers of Manitoba. If this extremely dy season would cause us farmers to put our brains as well as our hands to work, that we might obtain a vetter understanding of the principles of soil culti of growing crops, it might prove it blessing in dis guise. Perhaps a little of my own experience may prove of some use to someone, I at leastamalways
pleased to read the experience and ideas of min ,rather farmers in your columnes. and ideas of my
In the fall of 18s9, I plowed a field very deep, and the result was a crop failure on that field. The oncluded that the subsoil
was too cold and sour for was too cold and sour for plant growth, but I have
never had a poor crop on
that land siter that land since, and this
dry year it is the hest Ary year it is the best
we have on the farm.
This field has been crop This field has been crop-
ped for 201 years under a regular rotation: grain, I at first att ributed the good results to the mixing if the subsoil with the surface soil, but have now
concluded that tearing up
of the subsoil. the breaking up of the hard pan
that forms at the bottom of the furrow, when plowlepth every year, put he land into better, con-

College, who, in complimenting the management he presided as judge), said that, taking the stock all through, they had a hetter showing than at many of the county fairs over the line. He would like to
hiave seen the animals handled more before being hown, and he would also like to see more sheep bred. He believed Mr. Mckay, of the Experimental Farm, was discovering the salvation of the soil by seeding to grass, and he believed a splendid schento to eradicate weeds would be to sow to grass and
pasture sheep, as they would eat down weeds and grass when pasturing.
Senator Perley also made a brief speech, speak
ing words of encouragement to the exhititors and ing words of encouragement to the exhititors, and
expressed the hope that they would continue to expressed the hope that they Would contock industry. They were fortu mate in securing the services of a good stock judge. who had made the judging rery interesting. He
closed by offering a vote of thanks to Prof. Shaw losed by offering a vote of thanks to Prof. Shaw.
Hon. David Laird. Indian ('ommissioner, also made a few remarks, and referred to the advance made hy the Quilppelle 1istrict and the whole North-
west Tervitories since the time he made cortain dreaties with the Indian tribes, at alont the same preaties wis the exhibitiongroundsocrupy now, twentyplace as the exhish President of the surety Mi. dence for sparing them to se such rapid deveropto a very great extent with the Directors And
certainly this societs is very fortunate in having the best of service in this repeect. for a more enterWhich, nodoubt, is the reason President McIDonald, Sec.-Treas Rolert Williams, and
Jimese smith were often congratulated by visitors on the sucess foul management of the four th annual
exhitition of this joint society. Before the close of the exhitition, a nomber of horse races and port-

ohlamed. This of compe it a mather which the dealer are
betathe the decide for thembeches, but certain it is that a lated
 Mtered of the fairs Xearly all the teadink forms with hemd
 Made an claburate di play of their various lines of implements
in their reselective showrooms come of them hav ing machinery
in metions Tha Husey, Humpis Commen, in their large warehonses
were able to-how a full lime of their modern binders, mowerrakee etce in motion They ulto arry at omplete lime of














 M Th:

sorb and retain a far more abundant supply
of moisture than it otherwise would. i believe occasional very deep plowing enables the moisture, and also assists in uaking retain more moisture available to the growing plants when wanted. Hoping to hear from others. pants when

## Dividing Swarms.

De.in Sik, My experience with two swarms for the benefit of those of your readers that keep each of the swarms was to break up the combine, of itself in a sepmate hive. The plan adopted was containing young brood. Thisking hive a frame hive, filling up with frames of pont intation empty and into it, so prepared, a reasonable proportion of the combined swarm was induced to enter. It was
then removed to its stand. The same. then removed to its stand. The sampe course was
then followed with a serond hive. The next dats the two hives bering side by side on the stand daty One being evidently comsiderably the stronger, they
were shifted, the one being made to Were shifted, the one heing made to take the place
of the other, sime which everything seeme going on harmonionsly in werth hives. Therms to he first time I eversuceceded in effecting a forsed dissolution of such a partnership concern. What hapswarm was made practically independent hy the possession of young hrood, from which it might supply its.olf with a queen, if lacking, it is mot of
much importance any way.

The anmal meeting of the Farmers Institute
was held at Portage lat Prairie on Iuly esth, when the following ofticers were plected: President, when Fulton: Vice President, W. Mected: President, II: Sismons, (i, II, coarrioth, Jats, Mray, Jits, Dumtield,

Science and Practice of (reamery Buttermaking.



It is impossible to lay down any hard and fast
ules to be followed, as circumstances are so variable. Under normal conditions the process is much practical experience is necessary to cope with the Much has been done to educate the patron as well as the maker, but as the foundation for the
good qualities of the butter is made or marred whod qualities of the milk is his hands, his actions are wor thy of consideration. Gnder the patron's superdivers principles. some are conscientious and painstaking. Others, either from lack of knowlcare. As there is no dearth of information on care. As there is no dearth of information on
the careand production of milk, the patron should
be given such or referred to works issued be given such or referred to sat
tario, the "crean gathering "attermaking in the ". Oncream." The latter system is more modern and is superseding the former. It would bay the pat-
rons of cream-gathering creameries to invest in hand separatorg, as the cream would be of better quality and less would be left in the skim
milk and the skimm milk would be fresh and sweet. There is much less expense in hauling raw
material in the cream-gathering system, and as
this improves the system, it will be on a more equal footing with the separator creamery. In localities where there is a thick cow popula the roads are bad or the cow population is scatter-
the row
ed, a combination of the wo tystems would ed, a combination of th
ably give good results.
recencina the mat It is $\qquad$ ry for the man wh smell, that he the the butter. If a patron's milk is rejected, the maker should explain the circumstances, and if possible give information that will lead to the removal of
the evil source. The most reasonable method of paying for the milk is according to the per cent. of
fat contained in it. The method of paying accord fat contained in it. The method of paying accord
ing to the weight of milk is based on a fallacy. It re ing to the weight of milk is based on a fallacy. It re-
tards progress in breeding dairy cows for richness
of milk and encourages dishonesty. In regard to testing, strict business principles. In regard to tween the maker and the patron. It has been sug-
gested that a number of creameries secure the sergested that a number of crameries secure the serto be a step in the right direction, as at appesent there is a great dissatisfaction. Composite sam.
ples should lee taken and tested monthly during ples should be taken and tested monthly during

Themilk should be stratined into the rectiving vat. buring the summer it is advisable to heat the milk in a tempering pan to about $n=$ degrees; but during
the fall, winter and earty spring the milk is more tenacious of its fat and mpust the heated higher. Heating decreases this tenacity and gives a better
separation. At present it is a disputed point as to whether heating increases the difference between the specific gravity of the fat and the other con
stituents of the milk. The main points to be olserved in separating. milk are the rate of inflow and
the temperature of the machine. Some machines the temperature of the machine. Some machines
give the best results by heating the milk between give the best results by heating the milk between perature. It is best to skim the cream containing between 3 and an per cent. butter, as it takes less
labor to handle rich cream, and it also allows a low labor to handle rich cream, and it also allows a low
churning and ripening temperature. Samples of churning and ripening temperature. Samples of
skim milk should be tested tor determine the
thoroughmess of the work thoroughmess of the work. During the summer
months it pays to heat the skimmilk to $1(i)$ degrees. as it increases its keeping qualities, thus
making it hetter food tor calves. The whole milk may. be pasteurized, but it is more economical to heat the skim milk by passing stemen directly into
it. There is a diversity of opinion as to whether pasteurized creamor milk gives a better quality of a tembency to destoy the fine aroma of the raw butter of incrased keeping cmatity. It has a tenpracioed to athantage where any difficulty is ex


starter if it is grood flavored. (iood results have
been obtained by securing a pure culture of the been obtained by securing a pure culture of the
lactic acid germs as a mother starter. In the latic adid germs ats a mother starter. In the
course of time the starter is liable to go off in
flavor. In such cases a new culture should be secured. Some havesecured good results by ripening different samples of milk in sterilized sealers and
selecting the best as a mother starter. The best method is to get a pure culture from a bacteriological laboratory. A good starter 'has a pleasant, sharp acid taste and smell, and should be firmly
coling the crean.
perature, which is between 60 and -5 dening tem low ripening temperature gives a better body and cipening period, a deterioration in means a long to take place, as the cream is subjected to contaminating influences for a longer period. The utility
of a good starter comes in here as by means of it of a good starter comes in here, as by means of it
we can ripen the cream in a comparatively short period at a low temperature, and the flavor of the The amount of starter used varies according to the length of time in which the cream is to be ripened good results. When the cream has developed suffi cient acidity it must be cooled quickly to the chum? ing temperature, and held at that temperature for
at least., or $i f$ hours before churning. When cream is ripened sufficiently it has a smooth, thick crean appearance, and a sharp acid taste and smell. The alkali test is the most accurate method of deter mining the acidity. The acidity at which the
cream is to the churned should vary universally with the richness and directly with the demands of the market for which the butter is intended. Prof spilhan, of Washington Exp. Station, chaims
that for evers., per cent. increase of lutter-fat in that for every . per cent. increase of butter-fat in cent. in the development of acid. I think most of our buttermakers develop too much acid in their cream to suit the British market. The Dane, and some of our best creameries are adopting this method. The buttermaker should aim to have the cream of uniform quality from day to day. The
cream must be stirred occasionally during the ripening process to secure uniform temperature and ripening, and again just before straining into
the churn. Coloring should then be added if the market requires it.
The object of churning and separating is to re churning, the temperature acidity of the cream should be such as to bring the low a churning will cause a deterioration in tod and texture ; if too low the mass will be raised by friction to the temperature at which the fat globales witr athere to each other, and if too high it has I nder ordinary circumstances a temperap into oil is to 52 degrees in sammer and 52 to $5(5$ degrees in winter gives good results. When the butter be gins to break, cold weak brine should be added, as
it gives a hetter separation of the buttermilk and has a tendency to retard the gathering, thas giving a most exhanstive churning. itop the chum when the gramules of butter are as large as wheat grains slightlylarger, ind draw off the buttermilh

Have the wa hing wateru few deg
Have the washing water a few degrees colder than is good practice to leave the faucet of the chmon open and distribute water over the surface of the butter until it runsaway fairly clear. Then close cream. (iive the churn sor or:9 revolutions and draw off the waste water.
The butter may be salted in the churn, or after it has been placed in the worker. If salted in the
clumn, add albout one-eighth of an ounce extra salt per pound of butter. Distribute a portion of the salt eremly over the butter, and then give the churn
a duarter tum and add the remainder or another portion, and finally the remainder. After giving the churm a quarter thirn, the butter may then be gathThed by giving the charn three or four revolutions. requires less working when salted in the churn. The amome of salt varies with the moisture of the After salting, the butter should be left in the churn is exthacted from the hutter and the salt evenly in. corporated hy working.
In article which has beend done up, in a neat and

 parchment
Pack the
 Aumand and 20
a for immediate constmption, putit in cold storage as no matter how perfect it is when made, it soon it is inecessary that every creamery have a cold storage which may be kept as low as 40 degrees. The air of the cold storage must be pure and sweet,
butter is very susceptible to bad odors. butter is very susceptible to bad odor
For any degree of success it is necessary that the can produce manafturer work together, as neither can produce a superior article independenty
There should be a mutual good-will and understand ing between them. It is evident that neither can an run cress depends equally on both. If we will cheapen the cost of production and will be more profitable both for the producer and manufacturer Both must be alert, as these are days of strong competition. A course at a dairy school is to be highly
reconmended, as it tives a broader and more intelli gent knowledge of dairying.

Dual Equipment of Factories.
With the inception of what is called the "winter datrese factories with a plant for making butter in winter became a matter of practical importance, owing to the extra outlay and the larger qualifica tion required on the part of the makers. We no
tice that the New low Produce Reriew has bee interviewing a large number of American dairy men on the converse question, "Should creameries as a rule be fitted for cheesemaking also? "An eximination of these answers shows follows while a majority of our correspondents consider it best to confine the operations of the factories to the manufacture of one protuct or the other, a con equip for both, and several consider this advisable under certain circumstances. The latter view seems to us to be the nearest right, but we cannot agree with Mr. Englemann nake both products would apply to smull plat rather than large ones. It seems probable that in small plants the advantage gained by the ability to turn the milk to one product or the other would be
more than offset by the expense of maintaining two sets of apparatus, the necessity of having a make skilled in both butter and cheese making, and the interruption of outlet arising from the shift to one or the other product, especially, as Mr. Child sug fosts, wher
We are inclined to believe that the best work can be done where a maker de votes himself exclu sively to a specialty, and that equipment for both arge enough to employ a maker for each depart ment, and where the milk receipts are large enough to vary the proportion used in each department acpending the manufacture of either product The consumption of cheese in various parts of the country varies greatly, according to the quality Ind character of the goods generally obtainable. an important industry, the makers are obtaining a constantly-widening consumptive outlet for special makes of cream and other fancy cheese, to the attention : and the increased huse given increased this kind is naturally greatest in the sections where manufacture is carried on. We have little doubt hat in those sections of the $I I$ est in which the dairy ter production, cheesemaking might be taken up in creasing the profits of the factory, except in sections where the value of skim milk for feeding purposes is
Fecundity and Fertility.

ELEETING: ND FEEDN: TO PRODOCE PlLAETS Everg The bremerr may desire.
anxious to get chicks oft as carly in the season as early pullets for winter egg productin who wants early pullets for winter egg production and early
hirds of both sexes for the early fall and winter shows. The principal reason why every breeder
cannot gratify his desires in this reepect is the lack of fertility which characterizes the eyget is laid in the winter month: To wercome this feature most Inl a measure succerd in getting eggs a fair propor-
tion of which will hatcch. It is just posible. howeree, that poultrymen ers, who have learned that the saying, "lake pro duces like," applies to feommity quite as much as any ot her proclivity. Not only the cattle breeders,
but the sheep loreeders as will have been ed menting in this line and have also reached the constrenathenad the proclivity to hered early can be the hereding stock. By following out these ideas the sheop breeders hate developed the celchrated
Dorset producing a large peopertion of twins and triplets two on three lambs. must he. aremarkalhe milker
ween fecundity and hea is a distinct connection be. It is in this connection mikimg propensity the sheep and cattle breeders become of direct interest to poultrymen. If the cows which come into breeding earliest and continue to breed with the oes it not follow thet the ealy metminkers, prolific laying pullet is the one to look to for eggs hat will prove the most fertile: It is right here, fict with the theories advanced by many poultryser for they now ascert that the to be the heaviest milkers and the most prolitic breeders are those which are allowed to follow the dictates of natme and begin freetmg at two years car later. If this eadly hearius on the part a ows results so well, is it not possible that poultrymen are wrong when they claim that eggs from patching are not is good as those from hens for o believe that pullets are iust as valuable in the breeding yard as hens, provided they have been
reasonably well kept from chickenhood up to the easonably well kept from chickenhood up to the
time of breeding. The question of keep undoubtedly has a great this respect one is liable to err in either direc tion. A pullet stunted in growth during the first months of her life would not be liable to be other hand, too high feeding will result just as disastrously, and among cattle breeders it is generally ecognized that a continued course of high feeding terile that at one time it was feared that the fami ly would become extinct through barrenness.
The earliest maturing and most prolific laving The earliest maturing and most prolific laying and her eggs set by themselves during the entire hatching season, which with me lasted from early aying early in I ecember, but none of the eggs vereset until March, when ten eggs laid in Fehruary
vere set along with three laid in March. Eleven good strong chicks.resulted, all of which lived to malurity. In March she laid twenty-one eggs, in A pril twenty-four, in May she went broody, but was he laid twenty-two, all of which were set and aremarkably large proportion of them hatched. The eggs laid in Jume were fully as fertile as those laid earlier in the season, and the chicks, in point of rom eggs laid by yearling and two-vear-old hens Two of her pullets scored 96 and 94 respectively in December, and as they inherited the early and prolific laying qualities of their mother, they are season. summer," but I believe that by a process of selection and careful attention to feeding a breeder will an extent that from his earliest and best laying pullets he may secure fertile eggs as early in the season as he mave said nothing about the part the male bird is expected to play in the production of fertile eggs, but I believe in going farther than the selection of a merely vigorous male, and getting one ored with the same purpose inv view that has ed the example of the flockmasters who seek assiduously after twin-born rams to head their flocks. and they offer figures to prove that by taking such a course the production of twins and triplets is greaty inare not correct, bat so far as I have carried my experiments thev, have been borne out.-Henry L. Al

QUESTIONS AND ANSWERS. Veterinary.


The enlargement is quite soft and seems to be loose and does not seem to be sore. The colt was born navel. Kindly give treatment.'
In many cases of umbilical hernia in colts, omentums(the weborsling by which the intestines the suspended in abdomen), drawing the protruded in testine up into the abdominal cavity. I would the colt giving nature a chance in this case. Watch the colt closely, and if the entargement is not the But if it is gradually or quickly becoming larger the safest form of treatment is the application of truss. This must be a bandage of either leather with a protuberance in the center which fits int the opening through which the intestines protrude keeping them in the cavity. The truss must bin colt's body or bands passing forward and attached to a strap ol band around the colt's neck. There is no danger of the truss working forward off the proper place, the
tendency is to work backwards. A person must exercise his own ingenuity to keep truss in place This, if truss be properly applied, will usually effect a cure in about two weeks, and the colt in the meat methods of treatment, such as applying othe skewers, ligatures, etc., but these opperations need to be performed by a professional man, and they are to a certain extent dangerous, as there is a dangel the rupture is hecoming larger, I would advise yes to let it alone, at all events until fall ; then, if neces sary, try treatment or employ a veterinarian. $\mathrm{J} . \mathrm{H}$. ReED, I. S. 1
peculiar ailment of young pigs.
R, Chateauguay Co., Que.:-"As I have beet I thought perhaps you could give me a cure. Ilost seven in April, and two more are taking it now. In the spring when they were atrout two weeks ord flesh of the lower jaw, forming a scal, on the out. side, but would keep decaying away until I could see nearly to the roots of their teeth. Some would do the same on the upper jaw. They would live
quite a while, but never do any good. Two or three of them appeared to be choking all the time. called a vet. in, who said he had never seen the like before. I broke out all their black teeth. I was
feeding the old ones on skim milk and ground oats, peas and barley. I have the same sow with anothe litter of eight, now about a week old. I notic two of them are beginning to swell and decay like grain (oats and barley meal) and whey - not a great deal of barley. I am throwing them in green oats as well. They are half Berkshire and half Chester White in good order, but not very fat. INon't you year and dispose of these
The the trouble described of those pigs in which the thesh of the jaw sloughed off, exposing the roots cases similar, is very peculiar. Thave never seen there appears to be a swelling of the throat (with by death, are not uncommon in young pigs whose substitutes, such as roots are allowed only in limited quantities. In cases of this kind the trouble appears to be due to digestive derangements, and can be avoided by allowing the sow plenty of exercise and easily-digested food, with plenty
green food, both during pregnancy and delivery It may be that the former cases are other forms if the latter, and can be avoided in the same way, of it may be that it is some peculiar disease, due either
to the peculiar surroundings or a scrofulous to the peculiar surroundings or a scrofulon
deathesis inherited from the dam, although she may not exhibit any symptoms herself. A cure of
diseases of this nature is very hard to effect. or Epsomsalts given to each of the young pigs to
cause a free action of the lowels, and if the sow shows any symptoms of constipation, she should receive the same treatment. Allow plenty of
exercise and green food, and I would not feed any whey. (iive the sow, in each meal, a tablespoonfil of a mixture of equal parts Epsom salts, sulphum
ahd powdered charcoal, and as somon ats the youns pigs will eat slops give them a little of the same Be sure and give sufficient laxatives to keep the
howels working freely, In addition to the above treatment, to those whose jatws are soughing.
wash the raw surfaces twice daily with warin water and apply a lotion of 1 part con wotive Can be effected in those that are showing symptomhut the disease may be averted in the othere
think it would be advisable to do a you sug\&




ver with white semm at the end of six daysahol appears, size of pea, right near evesight . effect right eye each time and gives great pain
Cow keeps shaking head continually. Could you let me know what can be done, or any treatment
 thalmial a disease of the eye that has been preva lent in various sections of Ontario for some years
Isolate all affected animals in a comfortable and partially darkened stable, give each a slight purga
tive of from the 11 lbs Epsom salts, according to size and age: feed liyhtly. Drop a few drops of the following lotion into each eye three times daily Sulphate of zinc, 12 grains: fluid extract bella Ionna, I. drops : distilled water to hake 2 ounce well with warm water before applying the lotion
If ulcers form, touch carefully once daily with stick of lunar caustic. Have patience and continue at the eve regaining its normal condition, even in athe eye regaming its normal condition, even in

## Miscellaneous

how mich shorts wolld, a pig eat in six
topigs borninspring they were weaned, how much shorts on an averag would a pig consume in six mont he:
ortherwise Fogive an answer to the above question in the feeder would try feeding pigs on nothing but shorts till six months old. Did he try once, he would not soon try again. An estimate as to the amount o would be of no value. No single feed should be fed ontinuously to any animal and mowe especilly i this true in the case of pigs. Where one kind of he desire for food in some the pig appears to lose at nearly so much as under better conditions. So probably eso pounds of food might be consumed
rom weaning time till six months old, while th normal consumption of food for that time would be formt too pounds. Shorts with ground sifted oat pigs gain in size, harley and oat chop may he substituted or added, and a very excellent ration for finishing pork is one composed of equal parts
oats, peats, barley, and shorts or bran. Too high a percentage of shorts in the finishing ration appears to have an injurious effect upon the quality of the neat. J. H. (irmisale, Agriculturist.

IERILE Boak.

Subscriber, Elgin Co., Ont.:-"I have a boar,
ix years old, that has been a great stock hog all his life till about two months ago, when he failed to get any mose pigs. Last vear he went to fifty sows this year so far about thirty. I have kept him, eve since I got him. in an outside yard. I fed mostly on
corn this winter, as I had now roots for him. He will serve sows, but he will mount several times be fore he serves them. He is in good condition
Will he become useful again, or can I do anything for him ?, IW'. have known boars to be useful as breeders hog it will be a run on grass and moderate feeding mixed with a moderate quantity of milk or swill. IDo not use him for a month, and give him a grass plot where he can have abondant exercise. |
suscrmber, Oxford co: "I have a herd of good Ayrshire grade com with a good thom hred Holstein bull, and would I have as good, sal able dairy cows? Prhaps some of the readers of
the famers: Aboratas have already experimented on this line." Here is a good subject for dairymen to discuss the Iolstein cross on the gradt. Ayrshire. Mr. E.
 be pleased to hear from dairy fafmers who have experimented with the cross referred to
Exuthe:k: "Kindly inform me through the hime Buff and Buff Grpington fowls, and also the Whief point of each the Lincolnshire Buff and buif orpington fowls are practically the same fime in lincoln-hire, but without any uniformity While Buff (oppingtons are bred to a distinct type hime Buft- Comsequently, the various points are Whin. The whief points to be looked for are anherof the : third, single comb, fometh, shape of phomake huft thonghout. The hirds are large



THE RETURN.




















 mannan we then - \&


## THE QUIET HOUR.

## A Plea for Amusement.

## 

$\qquad$
 And ing br nighthy with song birds and brooklets are croon
bright Earth mayy be wicked and wearry, yet cannot I help brein! There insunshine withont and within me. and how shoulte
God wopo or be sad!
God wond orot fiod me with blessings, meaning me only to
Amid anl the bounties and beauties He pours upon me and

This is a column especially devoted to religious
subjects, and some of you may think the subjects, and some of you may think the atove title
a little unexpected in such a connection. The old a little unexpected in such a connection. The old
ascetic idea of making life as miserable as possible crushing down the body in the hope that in some mysterions way the soul may be benefited, is still
strong in men's mind 0 Out strong in men's minds. Our Lord hats said, "'Con-
sider the lilies of the field," yet we refuse to consider the lilies of the field," yet we refuse to con-
sider the countess flowers scattered broadcast over the world, and seem to fancy that only nencessarry
things such as grain or potatues are of any real consequence. It you are talking about religion,
they say you Religion may ennoble work to do with sulferinusement. even inspire men with joy and gladness: font surely pleasure and amusement, in the ordinary sense of the words, are not religions acts. We uinght mix
religion into a game with a sick child or int amusing book read to an invalid $;$ but to play base-
ball or tenis or lie in a hald ball or tennis or lie in a hammock for an hoors,
reading, for our own amusement that reading, for our own amusement that can hardly
be done for God's glory! Can it not: Then it ought never be indulged in. Who has drawn the invisible line between things secular and things
religious? If we are only religious on Sul religious? If we are only religiocus on sumday or
when we are saying our prayers, then we are when we are saying our prayers, then we are
missing the best part of Christianity, it is a misisiong for every day and every hour. (iod fills all space does He not fillall timee too:
What are our orders? "Whether ye eat or
d.ink whe drink or whatever ye do, do all to the glory of fiod."
We might call eating and drinking secular but the Bible sars they, and everything else, should
be religious $i$ int be religious. "'Whaterer ye do," must include
nmusenent, or else if we are going to be to Chirstians, amusenments must be shat out of our freel this to be cruel and unjust, and even immosimely It is one great evil of modern edncation that it is apt to grind chindren down until their lives have
little little or no play-time in them. Does (iod wish o
command such cruelty? See the course. Deprive a child of his birthriest buch able amount of play and be lecomes dull and stupid, and never entirely recovers from the loss.
This fact is expressed as a truism in the saying, "All work and no play makes Jack a dull boy. world return to the flowers. (God has filled the and necessary things. Even the potatoes liavi silk tassels, zand the orchards are like fain with every spring. The snow cames down in beantiful crystals, the leaves "ven in decay, are clothed in
hrilliant colors. The sunset sky is levond the power of any earthly surtiset to sky is heyond the thickly in the lovely yreen golden balls scattered ing seasons lreak the to ear and eye the chang fresh zest to existence How tired we should get of winter if it lasted all the year, but we thoroughly enjoy the skating, sleighing or showshoeing whein
it cones as a welcome change. Surely (iod would
not if He had not intended His children to eniont things There was only one kind of fruit in the Garden of
Eden which Adam and Eve were forlidden to Eden which Adam and Eve were forlidden to
taste.
There was surely a good reason why our Lord
worked His first miracle at a feast, providiug not a
 pleasure Yet to make pusstime (note the word)
the business of our lives is a crima ? Ta the set ourselves, year after year, to ${ }^{\circ}$ kill time. is murder one of the greatest gifts of (iond. There is to accomplish it all, that it is no wonder conscienexcept for needful sleen it a sin torax their ellom ind minds are hrighter, and more alle townk with pleasime ammsement is taken To work steadily on wilhout ah holiday year atter year is most exhimstdoctors orders In order to devote our very best powers of minal and hody to codds servire we ment not straine eithey momber, the command has been writhen and. re
 "ment are more exhanstigy then work. and
mathinery of our human nature. Laughing is just
as natural as crying, and far more useful and sitis. factorything more: Inon't be satistied with having a good time yourself see that other people have it chance to enjoy themselves too. Look arter the
elders of the family : don't let them feel that lif a treadmill, while you aredoing nothing but anemsis. curself. Pleasure is certainly carried too far when it is enioyed at the expense of other people. Think
how many, hours of hard work aure doing up of your pretty summer costumes preparing of your nice pimnic baskets. Who does all this hot work? Does she ever have an outing or A young man told me the other day that his young fellow, so take a week's holiday, and heres, the money for the week.
Do you think any employer ever lost by such esteem of his employees, and they wrould wain the far more energy and goodwill, and repay him in yon: pooid .ive, and it shall be given unto together, and ruming over, shall mond shaken your bosom. For with the same measme thall yo Some Che shatl he measured to you again." ". Social amusements, buthe sterny aloof from all ertacy himself more holy than his Naster dian © frine dian condemn such innocent plewtum a willinetsend unworthy of a (hristian. He was self: "The Son of Mun He has held up a little child as am exumberng gaiet and at heathy child is hrimming over with obey (iod :"The. It is said of those who serve and perity and their seans in plensumer days in prose amusume should be careful never to indulge in amy from time to time to our Master's fape, in cyes remembance of His presence The knowledge
that He is with us should increase joy, until it may be truly said of us:



## Inecipes.

Fill an earthen bowl closely with sumall cubes of place hot hlacklerry juice (hlackleerriesconoked int soft, with sugar to taste, and passed through the sponge acide juice the bread will alsorib, siet the sponge aside in a cool place for some hours,
then turn from the bowl. Serve with sugar and crean and black berries, if liked.

$$
\| \text { Ill, } p l, \ldots, \ldots \text { (Gather th }
$$

fully ripe. Parboil them in plums before they ar to burst. Pour off the water (using seven pints of water to five pints of plums); cook until very ender ; strain, allow a pint of sugar to a pint of
juice, and boil rapidly to jelly. drowseluery. Take common wild gooseberries and ohserve the above directions, using "pound for poted of sugar.
Red and Black Rensplemens - Take equal yuana tablespoonful of water, heat, and crush, add : few Weigh, andallow so on until all have been used to each pound of fruit. If a small quantity ongar minutes, or until a little dropped on and cook fifteren and no noisture is seen poond the edge glisters requires constant watching during the process, Comen! and lanplerry. This is made like cur rant and gooseberry, hut with no vinegar or spice If used alone (rud 1 pples. Plums make too rich a jam quantity of stewed sour apples: rub thour ike sieve : athow three-guarters of a pound of sugar to ond pound of mixed fruit. Gook three-ymarters of
 of sugat tot wo quatp of hatakberries and one phat
lick the herries from the stems berien and he: Them, amb press out the juice. To cereyse three pints mimmes, ald fom pomnds of gramentated sugat tend skimmed well hefore the sugher is aldeded.
> ('rush amd strath the juice fromg grapes that hater



also with swimming pools, games and amusements
of all kinds. They manch to their meals like soldiers to the cound of music or the beat of a drum. The teachers are very kind to them, and the chil-
dree oon learn to love them dearly. dret on learn to love them dearly. do kindnesses, helping in this good work trying to the world better and happier? Some children like to think of all the kind things they would do if only they were rich. They would go to poor families and take them plenty of nice food and comfortable clothes. They would give dolls and not rich, they don't give anything. To give what not rich, they dont give anything. To give what
we don't want ourselves is not the best kind of giv ing after all. It is more blessed to give than to receive, but those who give something they really care for themselves understand best the real happiness of giving. And, remember, the little kindnesses
may count up very quickly if you are really on the lookout for them. Greta was only six years old, and very small for
her age. $\because \mathrm{I}$ 'm so little," she sighed, "iand there isn't anything I can do." "Tut!" her. "Who opens my paper, and finds my spectacles, and brings my stick to me?"
"And who puts the ribbons in my cap, and gives
I hope you are out of hospital
y this time, Jimmie, and able to mount your war-horse again. I feel
sure you were an honor to the iegil ment in the way of cheerful obediif pain. Our and plucky endurance seems to be in a flourishing condi-
tion. If you are honestly trying to keep the two rules of ly trying to for opportunities of showing kind ness and looking out for good qual ities in others, it will certainly be a the people around you. But I don't want you to enlist without considering what you are doing and making

Whatsocer you find to do.
Do it boysw with all your migh
ever be $i l$
Ora beitli in the rirght.
Tritles even lead to Heav
Trifleer form the life of man,
so in all hings. grat and ammall things,
lse as thorough at you can.
Sotless truth and honor bright
Al not give a fir for hime
Who ways any lic is white:

Mathe tems when we speak,
Mat deceive m' lut beliere me.
In himelf he is a sineake.
A great many people are trying to Show kindness to others; like our
Lord Jesus Christ, they go about doing good.
In hearing of you will be interested many poor little children in the great many poor little children in the great
city of New York. You know it is dreadfully hot there, and the little children get weak and miserable, because they are shut up in hot, close
rooms, sometimes five or six fatmilies lire in one room. They can scarcely breathe, it is so hot and stuffy, and many of them have not nearly enough to eat. They have no grass can paddle in, nothing but hot rooms and hotter pavements.
Twenty-five years ago a kind gen-
tleman took a lot of these bovs and theman took a lot of these hoys and hay. You can just imagine how thoroughly they enjoyed it. Then differ-
ent fresh-Air societies were started:
and now, every summer. a large
number of these children know what number of these children know what a real outin
means. There are two floating hospitals, whic carry as many sick children as possible wight away from the hot city. The poor, tired mothers
go too, and come back, after hreathing the cool sea hreeze for hours, feeling ever so much happier and
stronger. Last summer more than sixty thousiand stronger. Last summer more than sixty thousand patients were carried on these floating hopitals,
About five thousand were very ill, but not one died while they were out. Another society gave out-
ings of one day each to more than fifteen thonsand ings of one day each to more than fifteen thonsand
women and chiddren. You, who live in the conntry women and children. ing meeame. The chiddren treasme the memory of
that happy day for years, and live it owe mat ono again in dreams.
Then there is a large farm where hoysare tanght
to work. Thev are taker where they have been kicked and beaten and hardlys used. They are given good ford and decent cothes
When they have been trained a little while they are placed in grood homesomb siven a chance to
work their way up respentably amd happils. they had been allowed to grow up in the slumthey would have heen taneht mothins but wirkedness, out whe rery fine follows mimathernildren

'An Evening Song.'
climes. There is much grace in the attiture foreign fair young musician, and in her face is the look one ansorbed in her art. The earnest listeners, to face of thentry drawn, the attitude and thoughtful good. Those shady clasped hands being especially fountain, with its little winged cupid at the to a think their charm to scene, and we can almost think we can ourselves hear that sweet evening

## Our Library Table.

" (Crayford." Mrs. Gaskell. Amongst the rush of books with which the reading public is
literally deluged in these rapid days, to come across a book like "Cranford" is like a refreshing rest after a long journey; the journey may have been enjoyable enough, but who does not appreciate the
rest? Many, doubtless, have read "Cranforl" long ago, but there are perhaps only of the younger readers (not meaning children authoress. It deals with Eng of it or its gifted many, many years ago, and, in country life of many, many years ago, and, in spite of this,
reminds one forcibly of some old-fashioned places now, keep up old customs. It the chronicle of what we, in these
days, would call a somewhat collor days, would call a somewhat color quiet, that the advent of a few new residents, the opening of a new shop, sufficient to throw the whole vila into a flutter of excitement (lyag ford, as the opening chapter an Aounces, was in possession of the entirely composed of maiden amos (with a few widows) who considered man as rather out of place aroongst
them. (O n e can easily fancy he would be.) Cranford was not a rich community, but even the poores concealed their anxieties under a smiling face, and never spoke of "money, considering that was not Mrs. Forrester, for instance, gave a
party in her baby house of a dwellng, and the small serving maiden request that she might get the tea tray out from underneath, everyone took this proceeding as, the most was also the case when the lady pre tended she didn't know what was for tea, in spite of the fact that she had herself made all the cakes, bis-
cuits, etc. The two chief characters in this quaint and charming book are the Misses Jenkyns, daughters of Granford's late rector; and the de scription of Miss IDeborah, the elder of the gentle Miss Mattie, shows a fine discrimination. When Captain Brown and his two daughters take spot, there is a flutter indeed namowe all these good ladies, but at last he is accepted as a friend. The wordy war Brown Miss Jenkyns and Captain the famous I)r. Johnson and Dickens who in those days wrote under the name of "Boz") is one of the funniest -Have you seen any numbers of the lickwick Papers . (apital thing " Yes, she hat seen them:
indeed she might say she had read them (mark the guarded style of this
puss his saucer of milk, and buttons my boots for added grandmother and rolls my chair up to the fire?" asked fathers his eyes twinkling
rggs. mind somebody who can feed chickens, hun one." said mother. Then Tom chimed in .. I know if youngster who can find my things when they get Litule (ireta sumbe beamed with delight as grand ather patted her head and said: "Every little task husus do willingly and cheerfully makes the orn I aun sure you can find hundreds of surth oppor They They get out of the way very quickly, though, if past you Your loving friend, P. Send in your letters for the prize compectiHick Theress irility, What a pity so fine : Whing fellow should the deat and dmat.


Tmust say I don't think they are by any means equal to Dr. Johnson; still, perhaps the author is young. Let him persevere, and who knows what his model." Then the very strong-minded lady IIiss Pole is capitally described, as is also the Hon the society of Cranford, and is looked, who lead type. In contrast to all the stateliness and often silliness of this little old fashioned society of worthy ladies, there is in undercurrent of truest friendship Jenkyns hor sister now dead years Mise Mattie her fortune (if anything so tiny can be called such wherenpon a private meeting is held by all her old riends, who then and there subscribe a certain sum many, even a small sum meant going with something. but no one grudged this little tribute little Miss Mattie never knew of it, for a pardonable little fiction was made up, so that she thought thinks the Recording Angel notes not this kind fiction). The way in which this is all told is -xquisite. Space will not permit of further detail. lepineation of each character and there fine is the Whmeatom of bach character and there are many
that it is truly a multum in paro, and at book to
do us good, even though we cannot but smile at
the "set" ways so well described. Kome authors before us so that we feel we know them apd love other books. Gare also well worth reading ", of her other books are also well worth reading-" ". North
and South.". Wives and Danghters."."Mary
Barton," and mant others.

The Visible a Picture of the Invisible. If it is really true that the spiritual world is very much like the natural world, built on a similar plan and following the same general pattern, then each new scientific discovery should be a parable, open-
ing our eyes to spiritual truth. We see things invisible reflected dimly in the mirror of the visible worla.
drawn nearer to the Creation, they ought directed attention to this fact, that the commonas matters are full of spiritual meaning. Think how in His parables, the highest lessons are drat in from setting her bread to rise is a picture of the woman secretly, but surely, leavening the world. Another sweeping her house, shows that same church diligently seeking the souls she has carelessly allowed weeds, planting seed in rood ground bs in with thin soil, plowing a straight furrow without pook, ing back these, and many other things familiar ho us all, He sets before us, lifting the veil which us to seek diligently for the treasure hidden not only in the pages of the Bible, but in everything He speaks to us Bible is not the only Word of God. He speaks to us through every flower, every duty, old, and we may fancy that He never speaks to men now, hut that is a very mistaken idea. Perhaps like Adam, we are conscious of wilful, unrepented we cannot hear it because we are living in a rush of cares and pleasures. Like Martha, we are very busy, and think it is a proof of idleness to sit quietly nd isten to the Masters teaching. Like Elishas and troubles, while the air is full of God's messen gers sent for our defence.

Earths crammed with heaven

The Boer Delegates.
"Well, sir," said Mr. I) .... (is a fine rayciption th' Boer dillygates is h... "! this country."
" They'll le out here nex "week," satd Mr. Hennessy, "They will that," Mr. Dooley replied, "an' we"l show thim that our interest in small' raypullics fightin' f'r their liberty ain't disappeared since we much inthrest as iver, but we have more inthrests elsewhere.
"Oom Paul, he says to th' lat-ads; ' (io,' he says,
'to me good an' great trind Ma-k, th' Wanst, an'lay th me good an great trind Mack, th' Wanst, an'lay 'that th' situation is jus' ths same as it was durin', Wash'nton's time, he savs, on'y Washnton won have won to strike a match on, he says. An off was doin' pretty well. Hinnissy. They were fightin Englishmer, an' that's lawn tinnis to a vale fightin
man. But afther awhile th English Government put in a few recreent but gallant latads from thent
 an' Mike McKitchener, an' Terrence O'Frinch-an' they give the view-halloo an' wint through th' Dutch iv August picnic might go through a a singerbund So be th' time th dillygates got to Europe it was: pears, squirt the br-rave hut misguided Dutch apBritish Ambassadure this afternoon.' Th see th hissy, 't was ol' Kiruger's play to keep on winnin'
battles till th' dillygates had their say. Th' amount s reglated, Hinnise be th frir a sthigglini people th' people can do. The wuruld me la-ad is with th andher dog on y as long as he has a good hold an' a

| All Violin Makers. |  |
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| The only plate on the world where violin making |  |
| E ${ }^{\text {a }}$ said (t) constitute the staple industry is |  |
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## Whe Wolf and the Boar.

One very cold day the wolf found it hard to get, said the fox this state he met with the fox. "Ah," as fond of pork as I good I cans tell you. If you are enormons pig is to be met with. He's rather more than I can manage myself, so if you like we will go was nothing he liked better thas delighted. There young pig had fallen a victim to his appetite, to the "He anows my re of the farmers in those parts. He knows my voice," said the fox, "so he won't tly and say a friend wishes to see him, he will be out at once. Then you must pin him by the throat, and I will come up and help you. If youget a firm grasp and hold on, there will not be the slightest diffimatch for a pig any day; and besides, I ; "I am an ous with hunger, and shall make an extra exertion to get such a delicious meal." "Well, good fortune to you," replied the fox, "and I hope you will ricl A way went the wolf, and did exactly as the fox had directed, but instead of the fine fat pig. out rushed a fierce wild boar. The wolf was so astonished that made the best use possible of his legs, and by fortune arrived home in safety. When he told his mother, a wise old wolf, what had happened, she thing that is to some always inform yourself that all he tells you is true If that boar had been only a fine, fat pig, you may whatever about hox would have told you nothing

## Chinese Scandal-Merchants.

In China there i a profession for ladies, strange the curent coin of the rualm. It is carielated in elderly ladies, who go from house to house of winh and ople, announcing their coming by beating a drun house. This offer accepted they the lady of the her the latest scandal and the newest wn and tel on-lits, and are rewarded at the rate of halfacrown portion, besides a handsome present should some portion of their gossip have proved particularly ac

## Something Unusual.

## He hunted through the library. He looked behind the door.

Cesearched where baby keeps lis toy
To ion the nursery floor:
He called mamma to look,
He eren started sister up
To leave her precious book.
He couldn't find it any where,
Had walked in throush the eprap
And stolen it, the scamp!

And then mamma came down the stair
Looked through the clocet dour
nooked through the closet doo
And here it hung ulon its peg.
As il had humy before.
And Tomme:

Two Scots Stories.
A Scotchman started once on a long walk, weal of a mile or so, it occurred to him that it would be as well to economize shoe leather. So he took off round his and, tying the laces together, slung then while he struck his great toe, and nearly broke it against an enormous "stane" lying on the road After the first paroxysms of pain were over, he said
to himself, "What a mercy I had not those gond boots on! !"
Another Scotchman was waylaid by roblers, and hesisted so manfully that he was not overcome imtil When secured and searched, he was found to have nothing but a crooked "sixpence" on his person "If this had been straight," remarked one of the band, who was not lost to
would have killed us all."

Clerk-Lady been here this morning, sir,
Complaining about some goods we sent her: Employer- Who was she ches al little woman with a full-sizme, sir, but P’unch.

An elderly gentleman was hurrying to catch a Hain. He was rather short of stat ture and stout of hody: but notwithstanding that, he was making Hrat headway, and moved at a rare pace. A friend.

## A Whistling Language

It seems that there is really a whistling language. astead of speaking when they hold converse with bach other The language is composed of we with were, like any other language, and the inkabi antsattain great proficiency in it, so that they can


in hole 1 am dashes, belead me and I mean the same, behead




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*)
*)
13. 4. \(1, \frac{12}{}\), -tanding water.
The whole mames a gallant hero.
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My serond is to weary ye
Conth is ins self. you bet:
ind my tifth is found in)

My fourth a a conimetion ever.
My fifth a vowel never.

Presto: In such a litte while
've changed into a sudden simile

My. in.es is a dishonest deed,
tid we may often of it read
Wh second is a tiny word.
And total is a little bird
Youn may see earh spring if yon "hoose

Answers to July ?(0th Puzzles.
po your duty, come what will
Neither a borrower nor a lender be.
For loan oft loses both it self and friend,
And borrowing dulls the edge of huslandry
Gix me a bell, a bell of brass.
Tell Andrew to be quick
Cou are full of evasion mans burlen


 Ida, Eva, Fumbi, Bertie, Mary. Ethel, Elle
The quich fox jump: over the lazy brown dob.
$\qquad$

A Homemade Clothes Reel
It costs quite a sum to buy a good clothes reel cheap and durable reel may be made in a fow hours． Dig a hole $1 \frac{1}{2}$ feet in diameter，and $2 \frac{1}{2}$ feet deep feet long；nail a slat across their bottoms to keep inches apart：also spike a tinch cube（I） between them and 3 feet from the

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3inch lole ing ；bore a S－inch hole in the arm just below the axle（i）；place
the arm and axle upon the 4 －inch cube，and hold by four pieces of wide band iron（gg），each 1 foot long，
two pieces to a side．The two upper bands should be nailed to the scantling 2 inches from the top， from the first．Bore a ${ }^{3}$－inch hole in scantling（ B ）， just above the lower band（g）；also another， 6 inches above ground，in scantling（A）．In this put a wooden pin（．）．and let it project about 6 inches．（iet wide，for the lever（H）．Bore as．inch hole 2,2 inches from one end，and 1 foot from the first bore a 3 －inch hole．Buy a piece of iron 2 feet long， 1 inch
wide and inch thick．Giet the blacksmith to put wide and inch thick．Get the blacksmith to put headed $(6-i n c h$ screw bolts，made of tinch iron． Get another bolt and burr about 3 inches long，and
of same material．Take one of the 6 －inch bolts，put of same material．Take one of the 6 －inch bolts，put
it through the 5 －inch hole in the end of the lever then screw it into the hole in the arm．Put the other 6－inch bolt through one end of the iron，and screw it into the hole in the scantling．Put the screw it into the second hole in the lever，and put the burr on well Procure 4 pieces of $1 \frac{1}{2}$－inch boards， 6 feet long， 21 inches wide，and fit each into the
equal distances in the rim of the hub，and through K K）wires are put，which fasten to the arm pieces
2 each row being 2 feet from the next．Grease the axle well and put on the reel．Now your clothes eel is complete，except the painting，which may be any desirable color

As Poultry Feeding Stations are Con－ ducted．
ot the editor Farmer＇s Advocate：
Sir，－Mr．F．C．Hare，of Ottawa，has been here during the past week，in the interests of the（iov－ ernment，and established a poultry－fattening station nder the management of Mr．Thos．Sainsbury，of ing the coops expect to have them ready by the 9th inst．，when operations are to begin at once．
The birds are to be bought in the surrounding country．Rocks or Wyandottes are preferred，but ony of the larger breeds will do solong as they have price to be paid is from 0 c cents to 63 cents perpound according to yuality．Two hundred are wanted fov the first shipment，and thisnumber will be increased if the returns prove satisfactorv．The birds are placed in the coops and are so confined during the fattening process，which covers a period of four weeks．The coops are $6 \frac{1}{2}$ feet long by 16 inches square ；each coop is divided into three compart－ ments，and each compartment contains from four to five chickens；V－shaped troughs are fastend around The sides of the coops，in which the food is placed． angly fine，is mixed with milk，preferably sour，and boiled until it reaches the consistency of porridge． The chicks are fed on this three times a day for the
first two weeks，twice a day for the third week and the fourth week they are fed by means of the，and mer：with this machine the operator can feed from two hundred to two hundred and fifty per At the end of four weeks they should be fit for market．Theyare killed by wringing theneck，pluck－ ed while warm，pressed into shape，and placed in cold storage，which should enable us to place them
before our loritish buyers in the very best possible before our British buyers in the very best possible prove a success，as it will help to relieve a glutted ocal market and also place the poultry business up－ on a better paying basis．

Chatty Stock Letter firom Chicago
Following table shows current and comparative live stock
prices ：
Beef catle． Fxtreme．Two Top Prices

| Prize List IBrandon Fair． horses． |  |  and four females 1 Cumming <br> CALLOWASS：Bull 4 year or over． 1 year， and bulf any age；cow 3 and |  <br>  |
| :---: | :---: | :---: | :---: |
| SDALES．Stallion， 1 years or over | Eving．focererger Fills．gelding or entire． | heifer．2 cear age：cow． 3 a |  |
| both of Brandon．Stallion．foaled $189 \mathrm{c}-1.1 \mathrm{E}$ |  | J A Simmeon．Porla | lamb iW，M：mill，2．13 Jickling Ram，any |
| Smith．Brandon．Brood mare and foal 1 and | of | Hrimforisi－Buthy | drapewes aged 1J BJickling．Two |
| E Smith．Filly foaled 189－1 J R Thomp | Atwell： 2 （has $T$ | marm，Brandon：，Jt Marples，leloan．｜all |  |
| foaled 1898－1．${ }^{\text {a }}$ A－Macmilian，Mrandon ： | harneses under mindsel Mry Me | alf 19 Chapman．Brandon；\％J E |  |
|  | mare or gelding－ $11 / \mathrm{M}$ Macmillan，Brandon； | orover I Clapman， 2 Marple （ow 3 ye | ling and lamb，if whe |
| don．Stallion，foaled 1899 I J B Thomprons： | 2 Howard | heifer． 2 years． 1 yearand calf ：and herd，bull |  |
| Hamiota： 2 Tulls Elder．Foal of lgme 1 1 ， |  | FAT COTTLE Sorr 12 and 3 vars or |  |
| progeny：tallion any are and fomatc，any | Baink of（a） |  |  |
|  |  | or over and heifer under iseare therect |  |
| Shires．Stalion，years wr over mary | any age and two of her pro | Braidon． | 1 A danle \＆P E：Comelt Two ew |
| 1898，foal of 19M1，and mare and（wo of her |  |  |  |
| progeny Het Dilart | － 11.8131951 |  |  |
| 1 Hughes \＆Long．Brood mare with foal | Tascels son． |  | BERKぐMIEEC，－Boar |
| $1898-1$ A Struthers．Filly or gelding，foiled | Manituba and－orthwes Tertiories Simple |  | 1 Mc．（iill．Necpawa．Boar， 1 year or under 2 |
|  | driver in | Bull calf 1 Eilward | nonth－and under 1 Mar 1.1 A Medill．＇Boar． 6 |
| Forrest： 2 J Baker，Brandon Mills | Saddle pony 1 Picketing．Mimedora： 2 |  | mreding－ow |
| Thomp |  | II 1 | ； |
| Mare and foal－11 Miloon， 2 Mr．Plail．Fills | poris | isacre il | 1 T |
|  |  | Mrandon |  |
| aman． |  |  |  |
|  | don．Saddle poms 1 L．avom，（ien | （iremway．B |  |
|  | of his bet | ， |  |
| 1 I Makee．Brandon： 2 W Elder．Rounthwai | ｜riphema，Alla | 川ton | 1 |
| Mare and foal 1 ，A Gramm rorrect ${ }^{\text {a }}$ | Cat | ysar－and walf：and heral bitll and fome |  |
| Wilson，Asesipp | （1） | TF： | amilumir |
| Fil | 13me ${ }^{2}$ atar |  |  |
| 1899－1 1 | Tay $=2$ C－kydy | M | －o， |
| Forrest．Foal or A Foster．Chater |  |  | Was |
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mrandon Prize list (Co
Grains And Grasses Two busherie Red AND GRASSES.















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Benit.
DAIRY producrs.




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 RTHORNS
 JAMES BRA AMES BRAY,
LONGBURN, Man D. FRASER \& SONS,
 brool porand-china Pi igs a specialys. Yount
stock tor sale.

Shorthorms $\begin{gathered}4 \text { Heiters and } 2 \text { young Bull } \\ \text { Choice ones of lival Sal Silor lured }\end{gathered}$ bull Also imported cliso Admiral Lheir took
C.ION. SHORTHO TAMWORTHS
coring to nuares and moth seves, at pries ach

W. G. STYLES,

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Nonald Mc Beth, of Oak Lake, recently sol
o Bratdon Bros. Melgund, the soung ©lyde Out of 15 entries made in the poultry clase ing. of Winnipeg, won 13 prize. Joseph Wild R. M, Kenzie. Maple Lodge Stock Farm,
High Mlutf. Man. writes usinder date of the Wh of Alyust, reporting the following sales:
One pair of Berk hires to cach of the follow ing:

 T.ea, Man. I. .i. Jackson. Minnedoa, Jame
Mottall, Giak ille ;and T. H. Kelley. Dauphin

 - wred by ourselves Mor pair of sharling cwe any age by an old Englisisipuport od ewe
fown three times at Winnipeg and each time
 our ewe hat captured diplowas it our loca
show here yeterday Ally, sth) we were very show here yesterday lays sth) we were
suce fal. howing cattle and -heep and
ning many award.: A thort converation bet ween Mr don Fxhibition, orrourht our same ate the eran print
 bred Leicesters, includes some good breeding
ewe- After several year experience. Mr

 Their own support on prairie pasture during
the sumber, and are piven all the hay and
water they care to consume during the winter




 much plea-ure and profit in hi- cheep-rearing.
his returns in -ome ceans reachink as higha.
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August : 21, 1900 Winnipeg lprige
(iRADE BEFF-Con










 WV Edwards. 3 H H Wilson Two calves
under one Jear old - Diploma, W V Edwards,
8 C H Willon.














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 3J Oughton, Middlechurch; ${ }^{4}$ A A B Potte
Boar. under 6 month, Iand ${ }^{2}$ A B Potter. and 1 James Bray. Breeding sow, 2 years an
pver- 1 Brethour \& saunders, 2 and 4 Jas Bray 3. Thireenway Breding sow, I year and unde
1 Brethour \& Saunders, 23 and $\&$ T Greenw 1 Brethour \& :aunder, 23 and 4 T Greenway
*ow, over 6 months and ander 1 vear 1 and
Greenwas. 3 and $\$$ Jas Bray. Soll T Greenway. 3 and 4 Jas Bray, Sow, under B Potter. ow, any are Diviploma, T Green-
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sow and litter of piss not less than four under
amonths-1 and 3 T ireenway. ? A Po

 Jas Bray. Boar, any age (special)-W
Cockburn. Sow, any age s.special) Brethour \&


 mg sow, 2 vemrs and over- $1 \mathrm{~A} B$ Smith, W Tran. 3 NW HcBride. Breeding sow, 1 year
 Low under 6 months 1,2 and 3 Wh McBride.
Sow any age Diploma. Mcride. Boar




 sow, 2 years or over-1 and 2 L A Bradec, 3 W
Bald win \& Son, 4 E Bald win. Breeding













 Boar, under is months-1 and ${ }^{2} \mathrm{~W}$ M Suith
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