PAGES MISSING



AGRICULTURE, STOCK, DAIRY, POULTRY,

VOL. XXXIII.

LONDON, ONT., AND WINNIPEG, MAN., AUGUST 1, 1898.

EDITORIAL.

In many sections of Central Canada the want of rain for several weeks has caused a serious failure of the pastures and a consequent falling off in the milk product of dairy cows, and a loss of condition in young cattle. These conditions serve to emphasize the necessity of making provisions for some succulent fodder to supplement the supply of feed when the pastures fail, as they are liable to do and as they generally do in the summer months. It is better to be sure of a supply than sorry for having neglected it.

The unusually large amount of space devoted to stock gossip in this issue may fairly be taken as an indication of the healthy condition of that branch of farming and of the increasing interest taken in improved stock in all lines. The fact that so much attention is being given to this industry in the busy days of the harvest season is a wholesome augury of the brisk trade in breeding stock which is sure to follow the "harvest home," and breeders will do well to put themselves in touch with prospective buyers, before the fairs begin, by advertising what they have to offer.

The fall wheat crop in Ontario has been harvested in excellent condition, and will yield well in most sections of the Province. Even in the localities where it did not promise well in the spring it picked up well before harvest time, and has proved better than was expected. The dry, hot weather of the last three weeks has not been conducive to the best returns from the crops of oats and peas. The former will in consequence be generally short in straw and, from rapid ripening, probably imperfectly filled, but the straw will be of excellent quality.

In passing through the country in the summer weeks one is struck with the fact that a very large proportion of farmers fail to adopt the best methods of handling plowed land in preparation for a wheat crop. It is common at this season to plow a clover sod or a barley stubble field for the purpose of seeding it with fall wheat. In the majority of cases the land in the field so plowed is left in the furrows as they have been turned, exposed to the influence of the sun and wind, which thoroughly evaporates every vestige of moisture from the soil, leaving it in a condition in which little, if any, decomposition of the sod can take place to convert it into plant food to feed the crop of wheat when sown, and at the same time rendering the land much more difficult to reduce to a fine state of tilth. There is no time when the soil will so readily crumble under the application of the roller and harrow as on the day it is plowed ; to leave it exposed to sun and wind for more than half a day makes the work of fining the soil much more expensive by reason of the added time and labor required. To make the best use of the time and of the land, it should be rolled with a heavy roller immediately after plowing, to press the soil, which aids moisture to rise from below into the plowed land, and to hasten the decomposition of the sod. The rolling should be followed by thorough harrowing to prevent the escape of moisture. The harrowing should be repeated, especially after each shower of rain, in order to get the greatest benefit from it. A field so treated will be found to contain sufficient moisture to start the growth of the seed when sowing time arrives, even though little or no rain has fallen in the interval. Knowing how liable we are to late summer drouths, it is wise to treat the land intended for wheat on the assumption that a drouth will occur, and thus be prepared for the worst that may come.

om

e.

_

IER

IG Etc.

RY ent ruc-

E.

The Fair Season.

The list of fairs for 1898 has been reduced by the number of those which have been held in Manitoba in the month of July. The Winnipeg Industrial, thanks to the good management of the directors, the improved aspect of business, and the fine weather, proved a grand success, the stock show being the best ever seen there and the attendance the largest in its history, as our report in this issue indicates. Winnipeg has set the pace for the fairs of this year. Toronto, with its mammoth Industrial, has fixed its date at August 29th to Sept. 10th, and all indications point to the usual success if not the realization of a higher standard than ever before attained. The prize list promises \$35,000 in premiums, by far the most liberal list of all the Provincial and State fairs on the continent, and the Association has undoubtedly the greatest aggregation of exhibition buildings in the Dominion. No show within our ken gives better value for the admission fee, nor so varied and extensive a combination of interesting, instructive and useful demonstrations of the capabilities of our country in agriculture and the arts and sciences.

The Western Fair at London follows close upon the heels of the Toronto event, with its silver ubilee exhibition, and has its dates fixed at Sept. 8th to 17th, the live stock section being planned to open on the Monday after the close of the Industrial. The Western Fair has had a singularly successful career, and is one of the most attractive and satisfactory exhibitions on the continent. Its grounds are charming, its buildings extensive and convenient in every department, its officers competent, courteous and energetic, its prize list liberal and comprehensive, and its location in one of the most beautiful cities in Canada. Visitors all and always carry away pleasant recollections of the Forest City and a favorable opinion of the Western Fair.

The Central Canada Exhibition at Ottawa ranks as one of the very best shows in the Dominion, and each succeeding year finds the exhibition improved, the grounds and buildings enlarged, the attendance increased and the interest enhanced. The buildings for the accommodation of stock are now among the most comfortable, complete and satisfactory to exhibitors and visitors to be found on any fair grounds in Canada. The prize list has been increased, and no fewer than thirty gold medals are this year offered in as many classes, in addition to the regular liberal cash prizes. Exhibitors are agreed that at no other exhibition are their needs and requirements more cheerfully met or their wishes more courteouly heard and considered by the officers and directors than at Ottawa. The Capital is, at the season of the exhibition. one of the most interesting cities in the Dominion to visitors, and such favorable railway excursion rates are secured for this, as well as for all the exhibitions named, that an opportunity is afforded to the people to enjoy a pleasant and profitable outing st small expense. The leading shows in the Maritime Provinces are the Provincial fixtures of New Brunswick and Nova Scotia, the former at St. John, Sept. 13-23, and the latter at Halifax, Sept. 22-29. These events are growing in interest from year to year and promise to be better this year than ever before. Prince Edward Island is not holding a Provincial Fair this year, and Quebec has its Provincial at the Ancient Capital, Quebec City, September 12-21. There is no announcement of a show at Montreal for this year. We confidently anticipate more than the usual amount of interest in the fairs of 1898. Times are better than for many years. Crops are abundant and prices improved. There is a vastly more cheerful aspect in all lines of business and a more hopeful outlook for the future. Farmers as a class have had a hard time for several years past, works; and Park, Blackwell & Co., a new concern

but the clouds have passed away and the sun shines on them now. They are entitled to a little outing, and the fairs afford the opportunity of combining business with pleasure. There are many valuable lessons to be learned by careful observation of the results of the skill and application of improved methods by our fellow farmers and stock breeders, and nowhere can these be more satisfactorily studied than at the fairs, where comparisons may be made. Who has not noticed that in many cases an animal seen at home on the farm and estimated as being up to the standard of first-class has fallen many degrees in our mental barometer, when brought alongside others of superior quality and more up-to-date in type and quality. The fairs set the standard of excellence in all lines of stock and many other products of the farm, and no one desiring to be reckoned a progressive farmer can afford to miss the opportunity they provide for studying the highest types of animals and the most approved methods of producing the best quality of products in all lines of agriculture and manufactures.

No. 459.

Canadian Bacon Capturing the British Market.

"There is no doubt," said an observant Ontario man, who had just returned from a trip to the Old Country with his fat cattle, to a member of the FARMER'S ADVOCATE staff a few days ago, "that Canadian bacon has caught the British market." This is evident from the fancy position held by the Canadian product on the weekly lists of quotations issued by Old Country provision dealers, and from the increase of Canadian exports to Britain during the past ten years. In that short period the value has mounted up from about half a million dollars per annum to \$5,814,841 worth in 1897, a jump of \$1,397,907, compared with 1896, and 1898 will probably show another advance even greater. Canadian packers are reporting a depreciation in the quality of Danish and Irish bacon, which is stimulating the demand for the Canadian product. As a matter of fact, Canadian hams are frequently sold as English "Wiltshire," Irish or Danish, by unscrupulous dealers, so that Canadian hog raisers and curers are not getting full credit, as has also been the case in the cheese trade, but which is being overcome by careful branding. But Great

Britain imports nearly \$55,000,000 worth of these pork products, and last year Canada sent less than \$6,000,000 worth. We send England more than half of all the cheese she imports ; our butter trade is developing rapidly, and we know of no reason why our shipments of bacon, hams, etc., should not at least correspond with that of cheese, or reach the vast sum of \$25,000,000 worth per year! Swine raising is the natural adjunct of dairying.

From some of our packers we have received varning reports that during the past three months they have been getting from some parts of Ontario too large a proportion of hogs that dress soft or "flannelly" pork, attributed by some to corn and clover feeding. However this may prove, we again warn our readers, as we have done repeatedly for years past, to guard against the wholesale and uncleanly methods pursed by Western States cornfeeders, which result in big, fat carcasses, and too often bring hog cholera in their train, a touch of which Essex and Kent farmers have had, to their sorrow, in years gone by. Stick to safe, successful plans.

Within a comparatively recent date we have witnessed the introduction and development of the bacon enterprise in the Maritime Provinces to the East and Manitoba in the West, while numbers of new establishments, such as those in Collingwood. London, and Toronto, have cropped up in Ontariothe old center of industry. We noticed a few days ago that the Wm. Davies Packing Co., of Toronto. were spending about \$60,000 in extending their

STOCK.

FARMER'S ADVOCATE AND HOME MAGAZINE THE LEADING AGRICULTURAL JOURNAL IN

THE DOMINION.

THE WILLIAM WELD COMPANY (LIMITED), LANDOR, OFTANIO, AND WINNERS, MANIFORM.

DON, ENGLAND, OFFICE : W. CHAPMAN, Agent, Fitnals Strand, London, W. C., Eng

JOHN WELD, MARAO

R'S ADVOCATE is publ THE FARME

9. THE DATE ON YOUR LAS

IR'S ADVOCATE, OF

HE WILLIAM WHELD CO., LONDON, CANAD

in the same city, were making a similar expendi ture, and will have a capacity of 1,000 hogs per day. The packers evidently have faith in the future of the trade, and in the capacity and intelligence of the Canadian farmers to produce the right sort of hog.

Some time ago we published particulars of the result of a trial shipment of Western Ontario hogs to the Armours, of Chicago, where they were slaughtered along with a specially selected lot of light Western hogs. The meat was found of excel lent quality, very firm, and the fat perfectly white. "It was a revelation to us," write the Armour people, "to see the splendid condition and fine appearance of the Canadian hogs, and we feel sure that the Canadian system of careful breeding and feeding is the correct one. We have seen some very fine hogs raised in dairy districts, and we believe that Ontario is singularly fortunate in this respect, having such a large number of dairy farms. These always bring good, healthy pigs with a very fine quality of meat. The Canadian hog-raiser is away ahead of the American at present, at least in so far as the English market is concerned. The Canadian singed Wiltshires command a very high premium, and rank almost equal with the finest Danish bacon on the London market."

Compare Chicago and Toronto prices on July Chicago, for best hogs, \$4.021 per cwt., live

The Winnipeg Industrial Exhibition.

The Winnipeg Industrial Exhibition. To be an all-round success, a great agricultural and industrial fair must be progressive, and in re-viewing the great Industrial Fair of Western Can-ada for the year 1808 one is justified in comparing it with its predecessors to see if *progress* is being made. An emphatic answer in the affirmative must be the universal answer by all close observers. In some departments there were not as many en-tries as a year ago, but unquestionably the average quality was decidedly superior. During the 1897 fair the rainfall of the whole season seemed to be concentrated into fair week, but this year the excessive downpour of the last of June and first of July appeared to have exhausted the waterspouts, and instead of rain the heat of a whole summer was focused on the fair. This, while making life somewhat of a burden, did not interfere with the attendance, and thousands from almost every part of the Province and Territories, as well as from Minnesota and Dakota, thronged the grounds dur-ing the week. The arrangements for handling the crowds of fair visitors were so perfect that in spite of all the crush, not one person was seriously in-jured. The special one-day excursions relieved in great measure the congestion in the city and worked most satisfactorily. American day was again a decided success, and the blending of Union Jacks with the Stars and Stripes on buildings, as well as on the persons of residents and visitors, was a pleasing and suggestive sight. The platform attractions, climaxed each evening by a most bril-liant pyrotechnical representation of the Siege of Luchnow, were throughout clean and entertaining, and the horse races were very much better than anything of the kind previously attempted by the and the horse races were very much better than anything of the kind previoually attempted by the Association. Owing to the excessive heat only one

scarcity of feed during the winter prevented farmers from getting their young horses into condition for the showing and they remained at home rather than exhibit animals out of condition. We cannot believe that the maximum has been reached, and confidently look forward to an increased number of competitors in all the principal classes at next year's exhibition.

AUGUST 1, 1

Year's exhibition. *Clydesdales*.— In the class for Clydesdale stallions, four years old or over, a very good lot of horses faced the judge, D:. Graham, V. S., of Claremont, Ont. Compared with last year, there were only about half the number, but with the exception of "Sir Arthur" all of last year's prize winners with some newcomparts. year, there were only about half the number, but with the exception of "Sir Arthur" all of last year's prize winners were shown, together with some newcomers, and much interest was taken in the judge's award, which gave the first prize to Tully Elder's "Prince of Wales," a grand topped horse which shows great improvement over his appearance of last year. While a little too small in the feet for a Clyde, he has plenty of bone and substance, and carries himself as if he expected the red ticket. Geo. Cartwight's "Golden Hero" second, the same position he occupied last year to "Erskine's Lad," which now is placed third. "Erskine's Lad" is a grand horse as to lege and feet, and would be almost perfect if his neck, girth and croup were equally as good. A newcomer in this closs was "McArthur" (imp.), shown by Dr. Swinerton. He is one of the veterans of the showring, having carried off the sweepstakes in Toronto in 1887 for the best horse of any breed. He is, no doubt, a great stock-getter, but his age tells against him in the showring. The three-year-old stallion class was repre-sented by only three horses, but one of them, Mr. Maomil-lan's "Burnbrae," was easily the best Clyde on the ground. Grand legs, flat bone and plenty of it, good top and middle, he is a horse hard to find a fault in, and we congratulate Mr. Maemillan on this latest addition to his stud. He is a little low in flesh for the showring, but is all the better not to be crowded while growing. Jas. McLeod carried little low in flesh for the showring, but is all the better not to be crowded while growing. Jas. McLeod carried of

PRINCE DANEGELT. IMP. (4937) OWNED BY J. A. S. MACMILLAN, BRANDON, MAN.; FIRST PRIZE MATURE HACKNEY STALLION AT WINNIPEG; SWEEPSTAKES OVER ALL LIGHT BREEDS AT BRANDON, MAN.

complete live stock parade was attempted, and this | Reid, of Forrest, had a walkover in the two-year-old filly

second prize with a very good horse, sweet and of good size, but a triffe rough in the hocks. "Pride of Balsam," owned by Jas. Hunter, of Dominion City, win-ner of third prize, is more of a rangy type and lacking in substance. Two-year-old Clydesdale stallions had only one represen-tative, "Dargai," by Prince of Wales, owned by James Ross; an excellent colt. No an excellent colt. No yearlings exhibited. Brood mares were well represented, J. Thom-son, of Hamiota, tak-ing first with "Lady Almondale" a grand mare, good in every way. T. E. Alger & Co., of Ponoka, took way. T. E. Alger & Co., of Ponoka, took second and third with two handsome mares In the three-year-old filly section there were few entries, but the first prize winner, "Kate of Parkwood," owned by R. Reid-Byerley, was a hand-some brown mare of good type; second, Alger & Company, with "Lillie." Robt.

weight; Toronto, \$5 85.

The Armour Packing Company on Raising Bacon Hogs.

In a letter from the Armour Packing Company, of Chicago, regarding a trial shipment of Canadian hogs, which they state were all Yorkshires, cured by them, they add :

"We have come to the conclusion that the best breed of hogs for the fancy export trade is a cross of a Tamworth boar and Yorkshire sow. The food for the first four months of the pig's existence would make really very little difference whether it be corn or smaller grains. However, from four months up to the time it is marketed, say for six months, we are of the opinion that the use of corn should be discontinued entirely, and the animal fed on peas, barley or crushed oats with a fair proportion of green vegetable food. We are also of the opinion that the weight of the hogs should not exceed 200 pounds, nor do we think that more than six hogs should be fed together in a pen, as then there is no crowding among them at feed-time, and it is necessary that the animal should be given all the comfort possible."

The statement in regard to the early feeding of the pig being immaterial is probably the most absurd that has yet been put on paper, being without support either in scientific theory or proper practice. No food could be much more deficient than corn for a young and growing animal, which should receive such foods as skim milk, shorts, peas and the like, with some green food and exercise in order to develop a strong, healthy, well-fleshed frame for the finishing or fattening period. It is just such nonsense as the above that disgusts intelligent farmers with the scribbling of impractical men on this subject.

roved one of the most attractive features before the grand stand on American Day. This is a feature of the fair that should be made more of, as undoubtedly it affords one of the very best possible object lessons of the development of the country and serves besides as a capital advertisement to the individual exhibitors of live stock.

The judging arena for horses and cattle proved so far satisfactory, but is capable of considerable improvement. More seating capacity around the ring is needed; the live stock catalogue and num-bering of the animals is still incomplete, but the experience gained this year will assist the manage ment in perfecting arrangements for next year. The selection of judges throughout all depart

ments seems to have been most fortunate, and in spite of the inevitable disappointment of defeated competitors, not one protest was lodged against the decisions of the judges—a record which may not be attained again for many a year. To live stock exhibitors perhaps the most un

pleasant feature was the necessity for loading and shipping stock on Sunday following the fair. We trust some more convenient arrangements can be made in future.

On the whole the Winnipeg Industrial of 1898 was the most successful in its history and reflects credit upon the board of directors who so generously devote time and energy to the undertaking, and especially to the untiring and enthusiastic manager, Mr. Heubach. upon whose shoulders the brunt of the burden falls.

HORSES.

To those who have seen the display of horses at the two previous exhibitions, the horse show of '98 must have been disappointing in several respects. While there was a distinct improvement in the quality of horses shown in several classes, there was a marked falling off in the number ex-hibited, especially in the agricultural classes, and in the classes of foals, yearlings, and two-year-o'ds. Probably the

class, no other being shown. An extra good filly was sho in the yearling class by J. Thomson, of Hamiota, and her full sister was an easy winner in the foal class. "Mare any age"-a close run between "Lady Almondale" and Jas. Mackenzie's (Burnside) mare, but the latter got it. In section for stallion and three of his get, "Golden/Hero" had a walkover.

Shires were few in number, but of good quality. The old favorite, "Blacksmith," won first in mature stallions. He is owned by the Rothwell Stud Syndicate. A massive yet compact horse, with great action. Mr. Munroe, of Neepawa, second with "Ringmaster," an excellent, good horse, perhaps a little coarse in his hoof heads. Mr. Munroe also took first in the brood mare class with "Flora, an extra good mare, a little of the Clyde type about the legs.

Draft Horses.—This c'ass was particularly good in many sections, and the judge, Dr. Graham, V. S., was much pleased with the quality displayed. Mr. D. T. Wilson again showed a splendid lot, taking first for threeyear-old, first for yearling, second for foal, and sweepstakes for best mare any age, an extra good mare. Mr. Cartwright, of Russell, also had some excellent exhibits, taking first for brood mare, and second and third in two-year-old class. In this class the two year-olds and third in two-year-old class. the first and second "as good as any to be seen in the East, and fit for English showrings," to quote the judges opinion. The first prize was taken by G. Trick, of Calf Mountain, for a beautiful bay by Erskine's Lad. Dr. Swinerton took first in the feal class with a backward provide the MeArthur in the foal class with a handsome youngster by McArthur. First prize for heavy draft team in harness was won by Jas. Mackenzie, of Burnside, with a very handsome and massive team, good enough for any showring., one of them the wianer of the sweepstakes in the Clyde class. Albert Lawson took second with an excellent team, and the team shown by W. J. Stinson, third prize, also deserves honorable mention. These were exceptionally good teams. For stallion and three of his get, "Golden Hero" again carried off the palm.

General Purpose Horses.-D. T. Wilson's mare "Gentle,"

AUGUST 1, 1898

es at nev

llions, four the judge, ed with last

t with the ize-win and mu

appearance feet for a

and carries

cupied last d feet, and croup were McArthur" he veterans pstakes in He is, He is, no inst him in was reprehe ground. nd middle, ngratulate d. He is a better not carried off

withavery sweet and but a trifle

he hocks. Balsam," s. Hunter, d prize, is

angy type g in sub-vo-year-old stallions

e represen-argai," by f Wales, mes Ross; colt. No

xhibited. s were well

s were well J. Thom-niota, tak-lith "Lady " a grand in every C. Alger & noka, took third with

me mares ee-year-old

there were , but the

winner, arkwood," R. Reidas a hand-

mare of

second, mpany, e." Robt.

ar-old filly

a, and her Mare any and Jas. ot it. In len / Hero

lity. The stallions.

A massive lunroe, of lent, good ads. Mr. "Flora, about the

y good in V. S., was Mr. D. T.

for threeveepstakes artwright, g first for class. In

re shown, the East,

es opinion. took first Arthur.

n by Jas.

d massive

them the Albert

the team

es honorms. For

in carried

"Gentle,"

was sho

FARMER'S ADVOCATE THE

by Golden Hero, a splendid mare with an extra good set of legs, carried off first for brood mare; D. Fraser & Sons, Emerson, second with "Roxy," also an excellent mare; A. Baxter, Suthwyn, third. Jas. Mackenzie also showed a mare deserving of mention. J. E. Morgan had a very nice one in the three-year-old class, the only entry. Of two-year-olds there was a slim showing numerically, though A. Cumming, of Lone Tree, took first and second with two nice fillies by Kintyre Hero. Of yearlings and foals, very few were shown. D. T. Wilson took first for yearling, and J. E Morgan first for foal, the latter a perfect little cart-horse type. Of general purpose teams, only three competed, and only two of these were awarded prizes, first going to Wm. Ross, Carberry, for a very showy team of bays, strong, active and hand ome; second to D. T. Wilson for a sweet pair of gray mares, half-sisters, one by Kintyre Hero, the other by Perfect Type; two grand mares; one of them carried off the prize in the next section for best mare or gelding, any age.

other of the prize in the next section for best mare or gelding, any age. Standard-breds. — The four-year-old or over stallion class was a splendid show. Dr. Quinn, V. S., of Brampton, Ont., the judge, said he had "never seen it equalled in Canada." Five were shown, and not a poor horse among them. After much careful consideration and minute inspection, the judge awarded first to "Touchet," a sweet horse showing quality in every point; exhibited by Wm. Armstrong, Winnipeg. "Touchet" is by Altamont, out of Tecora, and has a record of 2.144. Second prize went to "Pathmont," 2.094, a lovely, smooth, brown stallion by Altamont, almost equally as good; third going to "Oliver Bunker," excellent in style and conformation, with more size, bone and substance than most of his class, and should prove a great size. He is by Sharper, the well-known Manitoba favorite, out of Mollie Bunker. In three-year-old stallion class, I. G. Hargrave captured the red ticket with a handsome chestnut colt by Bourbonnair. In two year-olds the honors went to F. R. Moffatt, of Souris, who showed a sylish colt by Stanton Chief; J. G. Hargrave In two-year-olds the honors went to F. R. Moffatt, of Souris, who showed a sylish colt by Stanton Chief; J. G. Hargrave second with a good-looking son of Sharper. The brood mare class was well represented, and after a kren competi-tion the red ticket went to "Belle W," owned by H. Connelly, Winnipeg, a grand mare of good size and quality; "Cossack Maid," owned by Knittel Bros., second; J. A. Simpson, third. The three-year-old class was poorly filled, only two entries shown, but two good ones. First prize taken by "Stonewall Maid," owned by T. Scott, Atwell; second by "Iva H," owned by W. Armstrong, Winnipeg, a sweet little mare, lacking only size. The foal c ass was well filled, and several good ones were shown. First prize went to H. little mare, lacking only size. The foal c ass was well filled, and several good ones were shown. First prize went to H. Connelly for a fine, straight colt by Oliver Bunker, out of Belle W; second to J A. Simpson; and third to a colt by Sharper, owned by J. G. Hargrave, Winnipeg. *Roadsters.*—The first class—brood mares—brought out a

large field of good ones, in which the honors were easy until the judge picked out Mr. Raymond's fine mare for the red In the three-year-old and two-year old classes some ticket. In the three-year-old and two-year old classes some excellent young ge'dings and fillies were shown by Messus. Scott, of Atwell; Morgan, of Shoal Lake; Corrigan, of Pilot Mound; Goggin, of Ca berry; and others. The year-ling class also brought out some good ones, D. Fraser & Sons taking first with a colt by Disturbance; Dr. Shaw, second; R. H. Riggs, Thornhill, third; three excellent colt. In the foal class, first went to a lively colt of D. Fraser & Sons, Emerson. In team roadsters in harness three extra good teams rouncated. Dr.

harness, three extra good teams competed. Dr. narness, three extra good teams competed. Dr. McFadden won first with a pair of beautiful blacks, perfectly matched, sound as a dollar, and active as kittens. They are half brother and sister, one by Wildmont, the other by Sharper. The second prize went to A. F. Elliott for a rangy pair of bays; while the third was taken by W. R. Fursman's handsome team of

brothers by Amber, perfectly matched and a picture to look at, but deficient in speed and J. ass of single roadsters in harness faced the judge, some thirteen being shown, a very fair large ch ness faced the judge, some thirteen being shown, a very fair lot. T. F. Thompson, of Morden, took first with a beautiful chestnut mare; McLaren Bros., Winnipeg, second with "Casey," a handsome black by Wildmont; third prize went to Dr. Rutherford's brown mare "Gleam," a beautiful animal which has never been passed over in the showring. *Carriage Horses.*—The aged class of stallions was well represented by the old favorite "Knight of the Vale," ownel by Knittel Bros, of Boissevain. He is a sweet horse and fills the eve in every particular, appearance, style and owned by Knittel Bros, of Boissevain. He is a sweet horse and fills the eye in every particular, appearance, style and action. He never fails to bring rounds of applause when he appears before the grand stand in the parade. G. Napier, of Austin, showed a very handsome two-year-old stallion, "Banker," of the Cleveland Bay stamp. He gives every indication of developing into a grand horse, and may dis-pute the honors with Knight of the Vale yet. The brood marges and three-year-olds do not call for special mention. mares and three-year-olds do not call for special mention, unless we specify a handsome ches'nut shown by James uniess we specify a handsome ches nut shown by James Bray, of Longburn, in the three year-old class. In the two-year-old and colt classes some good youngsters were shown, several of them the get of Knight of the Vale. Pairs in harness was contested by only three teams, T. D. Stickle, of Carberry, carrying off first with a stylish team of bays; Raymond & Armstrong, Winnipeg, second with a speedy pair of good lookers, but more of the roadster than carriage type. In the single carriage horse class the red ticket went In the single carriage horse class the red ticket went to Knettel Bros., of Boissevain. who also carried off the honors in the class for stallion and three of his get, "Knight of the Vale" and several handsome colts and fillies being shown; also the veteran "Disturbance," and some good young colts in poor condition. Hackneys .- This class did not take long to judge, as there were few entries, and we need dwell only on Mr. J. A. S. Macmillan's "Prince Danegelt" (imp.). by Danegelt, which took first in the four-year old class. He is a lovely dappled dark bav, with plenty of bone and substance, a sp'endid top and body, and is a good mover. He was im-ported from England last year and makes his first appear-ance in the Winnipeg showring. He should prove a valu-able producer when bred to the proper stamp of mares.

than usual in most of the sections, and especially large in the four years and over stallion classes, in which eight horses were shown. These were divided into two classes, one of were shown. These were divided into two cases, one of the ordinary thoroughbreds, the other competing for a prize offered for the "Thoroughbred stallion best calculated to improve the common stock of the country." In the former class D. Fraser & Sons took first with "Disturformer class D. Fraser & Sons took first with "Distur-bance," by Terror, an old horse, but a good one; R. J. Manly Power, of Carberry, second with "Hard Lines," by Umpire, both prize winners of last year in reversed positions. Third prize went to Hudson's Bay, a good-looking chestunt with more of substance than quality, owned by John Fowler, of Carberry. Welgate, owned by Glen Campbell, was in excellent form, and many were surprised that the judge, Dr. TenEyke, V. S., passed him over. The other class, for Thoroughbred stallions test calculated to improve the common stock of the country, was easily wan by Dr. Dr. TenEyke, V. S., passed him over. The other class, for Thoroughbred stallions test calculated to improve the common stock of the country, was easily won by Dr. Rutherford's Kilburn, a grand little horse of the big-bodied, short-legged type, which nicks well with the ordinary mares of the country, as the examples of his get shown at the tair abundantly prove. Second in this class went to Wm. Bennie's "Saber." Kilburn also took first for stallion and three of his get. In two-year-olds several good ones were shown, first going to Reveille, a handsome chestnut colt of good quality, shown by W. Coultry, Winnipeg. J. Mitchell, of Brandon, also had a good one, "Idler," by Jase Phillips. The brood mare class was keently contested, and by an unfortunate mistake in the entry ticket, Dr. Shaw's mare, Lady Kavanagh, was not allowed to compete. G. A. Campbell, Glenlyon, first with Nora Campbell; Dr. Shaw second and third. The three-year-old filly class brought out several very finely bred ones of true race horse type, R. I. M Powers carrying off the red ticket with "Willovina" and second on "Wawanessa"; N. Royd's "Orphanet," by Order, third. The latter was probably the best bred filly on the grounds, if not in Canada, and is a very handsome, breedy filly as well, and promises to distinguish her elf on the race track. Several good young-

chestnuts, with light manes and tails, full BURNBRAE 8878, SIRE ROSEWOOD (7207), DAM YOUNG BLOOM (7554); OWNED BY A. S. MACMILLAN, BRANDON, MAN; SWEEPSTAKES AND 1ST PRIZE THREE-YEAR-OLD CLYDESDALE STALLION, WINNIPEG EXHIBITION.

and some of them will | third going

353

<text><text><text> Jewel, bred by the Crerars, of Shakespeare, Ont. Third was sent to Starling, of Greenway's string, leaving two really gool entries from the Marchment Herd unplaced.

Thoroughbreds .- The display of this breed was larger

no doubt require an extended notice in a year or two, but at

no doubt require an extended notice in a year or two, but at present we have no space to spare on them. *The Saddle Class* was represented by a large field which kept the judge occupied for some time; finally the first prize was awarded to Mr. E. G. McBain's "Dolly," a handsome brown mare and well trained; second to Dr. Rutherford's "Souvenir," and third to H. C. McDiarmid's "Biddy." Only a fair class as a whole. *Ponice* were not by any means numerous, but there were

Ponies were not by any means numerous, but there were some beautiful specimens shown. W. A. White took first for pony in harness, an elegant little turnout. In saddle ponies first went to A. B. Fleming, of Brandon, with a very pretty gray; T. W. Dykes 2nd.

CATTLE.

CATTLE. The cattle barns were comfortably filled, and the several beef and dairy breeds creditably represented. There was some falling off in grade and fat cattle, owing, doubtless, to the scarcity of feed during the past winter and spring. The single judge system, as usual, prevailed, and, as previously noted, such general satisfaction given throughout the entire c'ass that not a protest was made. Mr. Thos. Russell, Exeter, Ont., placed the awards on the beef breeds, and Mr. G. W. Clemons, St. George, Ont., on the dairy breeds. G. W. Clemons, St. George, Ont., on the dairy breeds.

SHORTHORNS.

SHORTHORNS. In point of numbers, quality and finish the "red, white and roans" held undisputed supremacy. Several exhib-itors that have come to be looked upon as fixtures were un-fortunate y absent. By a lamentable accident Mr. Barron, Carberry, was prevented from coming out, and consequently did not send his herd, to which he had made a number of valuable additions during the year. In the class for four-year-old bulls there were four entries.

Mr. Lynch's eight-year o'd Village Hero, a bull of immense scale and many strong points of Shorthorn character, was well brought out, and carries his age remarkably well for a buil of his weight. Hon. Thos. Greenway's Caithness, recently imported from his breeder, A. W. Smith, of Maple Lodge, and well known in Ontario showrings, proved too much for all competitors, and was awarded pride of place.

354

<text><text><text><text>

HEREFORDS.

HEREFORDS. The competition in white-faces was very materially in-oreased over former years, and Mr. Sharman, Souris, need no longer count on a walkover in this class. The new exhibitors were J. E. Marples, Delean; J. A. Chapman, Beresford; John Baird, Winnipeg; besides one or two single entries. Sharman's aged buil Valentine headed the first class called; John Gramm, of Pilot Mound, second with Protector from the Stone herd. Marples' two-year-old Spotless of Ingleside headed this class and was pronounced breed champion. He was bred by H. D. Smith. Compton. Spotless of Ingleside headed this class and was pronounced breed champion. He was bred by H. D. Smith, Compton, Que., and is a smooth, evenly turned bull of strong Héreford character. Sharman headed the yearling class with Pride of Eastview, recently imported from the herd of D. M. Wilson, Moe's River, Quebec, to head his herd. He is a very sweet, smooth bull, of good handling quality, good head and beautiful horns. Sharman also had 1st and 2nd on bull calves, 1st and 2nd on aged cows, 1st on cows three head and beautiful horns. Sharman also had 1st and 2nd on bull calves, 1st and 2nd on aged cows, 1st on cows three years old with Countess of Aberdeen, one of his best numbers. In two-year-old heifers, Sharman's Peach, a growthy, smooth, well brought out heifer, was given first over Marples' Daisy of Ingleside from H. D. Smith's herd. The latter was rather thin and not looking her best. Mr. Marples had forward one of the best things in the class in the first prize yearling Duchees of Poplar Grove ; Sharman 2nd on Isabel. The latter also had 1st and 2nd on heifer calves and the herd prize.

POLLED ANGUS.

The exhibitors of the polled blacks do not fash them-selves about extra fitting, but are content in sending their cattle forward in just nice grass condition, but year by year the quality of the entries improves. The principal exhib-

sending the red to Glennis's Daisy Teak's Queen; to this oow also went the sweepstakes for best female, and the special for best dairy oow any pure breed or grade, the judge pronouncing her one of the best cows in America to-day. The blue ticketwent to Hutchinson's May Abbekerk, a oow showing good veins, chine and skin, although her udder is not quite as shapely as might be. Third went to one of Oughton's entries. Hutchinson got 1st on three-year-old, a granddaughter of Daisy T. Queen, 2nd on two-year-old, 3rd on heifer calf, 2nd on herd, and 2nd on bull and his get. Potter got 1st and 3rd on two-year-olds; Oughton 1st on yearling heifer; Glennie 1st and 2nd on heifer calves, 1st on herd, and 1st on bull and two of his get. JERSEVS.

JERSEYS

heifer calves, 1st on herd, and 1st on bull and two of his get. JERSEYS. In numbers these famous little buttermakers were hardly up to previous years. The herd of Mr. Bray, having been dispersed since last Industrial, was represented in the hards of the Munroe Creamery Co., Winnipeg, and Mr. Byres, McGregor. In the aged bull class Mr. Byres' Rover Pogis got the red ; W. J. Buxton's (of Moosomin) Lord Pogis of St. Lambert, 2nd, and Wm. Murray's Belvedere Srd. The two-year-old class was headed by Jas. Walsham's Mrs. Jones bred bull, Belvedere Signal, who was afterwards dealared breed champion. He is a bull of fine dairy type, showing strongly dairy indications, and is shown in extra fine fit. W. V. Edwards, of Souris, showed a good second in Dean of Highfield. Munroe Creamery Co. with Linda's Pride had a first prize yearling bull, with Murray's entry 2nd. Edwards' Souris Chief, out of Yankee Rosebud, was lst in calf class, with Murray 2nd. In aged cows a very nice tot of six lined up, the Munroe Creamery Co. getting all the tickets on Manitoba Lady, Daisy Dean and Prairie Rose in the order named. Edwards' Yankee Rosebud, by Yankee Pogis, was 1st three-year-old, Duchess Malone 1st two-year-old, Baby Malone 1st yearling, and Mayflower 1st caff. Munroe Creamery Co. had sweepstakes female in Manitoba Lady and 1st on herd. The Ayrshires held their own and were very oreditably represented with entries from the herds of Messrs. Steele Bros., Glenboro; Thos. Greenway, Crystal City ; Wellington Hardy, Pomeroy ; W. M. and J. O. Smith, Fairfield Plains, Ont.; and And. Mutter, Brandon. Tor the first time in his history Steele's What Care'I got turned down from premier place, the judge considering that the Greenway entry, imp. Victor, showed better veins,

urned down from premier place, the judge considering that the Greenway entry. imp. Victor, showed better veins, thighs and skin. Smith's Richard B, by Tam Glen, was 2nd. thighs and skin. Smith's Richard B, by Tam Glen, was 2nd. Greenway had two entries in two-year old class—Surprise of Burnside, by Glencairn, out of Nellie Osborne, with a splen-did skin, fine typical head and strong dairy indications, and Leo of Rockton, a son of McCormick's Sir Laughlin. These stood in the order named, followed by Mutter's Sir Park. In the section for yearlings, Steele Bros. had the red on Perfection, bred by R. G. Stacey, a typical son of imp. Carlyle of Lessnessock; 2nd going to Hardy's Saint Patrick. In bull calves, Steele's Wee Willie, with good head and horns, splendid skin and good veins, headed the list, with Hardy's entry second. In the aged cow class, Steeles had three good entries and Mr. Greenway two; the Steeles had three good entries and Mr. Greenway two; the former's Heather Daisy, of their own breeding, taking the red and afterwards the sweepstakes for best cow in milk. red and atterwards the sweepstakes for best cow in milk. She is a typical Ayrshire, and had an immense udder of good shape and fine teats. Mr. Greenway's Nellie of Rock-ton took second. In the three-year-old cow class, Hardy scored with two good, milky-looking cows, Jessie and Pride of Percy. Greenway's Lassie Jean, with a beautiful skin and good veins, headed the two-year-olds, with Steele's Nancy Hanks and Whoa Emma following. The same exhibitors got 1st and 2nd in yearlings, and 1st on calves with Lady Dina, bred by R. G. Stacey : Greenway 2nd : with Lady Diana, bred by R. G. Stacey; Greenway 2nd; Hardy 3rd. Steele Bros. got the herd prize and also the Dom. Ayrshire Breeders' special for best herd.

GRADES.

D. Fraser & Sons, of Emerson, and Geo. Allison, Burnbank, were the principal exhibitors in this class, and every bank, were the principal charman were grade Shorthorns. In the grade dairy c'ass Sharman's Shorthorn-Jersey got first, with an Ayrshire grade second. In fat cattle D. Fraser & Sons had things pretty much

hog, Western Boy, with length, depth and fine Berkshire quality, and brought out in the perfection of fitting. He was afterwards accorded the male championship of the breed. In this class Graham had 2nd on another of Teas-dale's breeding, by Tom Lee, a Berkshire of something of the Tamworth type, and a boar that may develop into an extra hog of the bacon type. In boars under six months McKenzie got 1st and 2nd on a couple of Lady Bluff's pigs, Victor and Proud Ben, by Proud Victor. But three sged sows were out, Greenway's Snell-bred Kathleen, of great length and extra quarters ; McKenzie's Silver Maid making a close 2nd ; with Brown's Highelere 3rd, the latter a mag-nificent sow, but turned down by a defective udder. Sows under two years contained the sweepstakes female in Brown's Cora Bella, a Baron Lee, bred by Snell, a sow of great per-fection, and good enough to win in any company ; the same exhibitor's Alma, a Highelere, ranking 2nd. McKen-zie's Painted Lady headed the under year class, with two Higheleres from Brown's pens following. McKenzie's Lady Bluff furnished the 1st, 2nd and 3rd prize winners in sows under six months, members of the same litter as the lat under six months, members of the same litter as the lat and 2nd prize boars of same age. Brown had the red on sow and litter on Highelere Fame, also 1st on boar and three

females any age. Yorkshires were strongly represented by something over 40 entries. Premier Greenway made the strongest showing, 40 entries. Were presented in capital fit. Among his and all his entries were presented in capital fit. Among his winnings were : 1st on yearling boar, Yorkshire Bill, bred by A.Graham, of Pomeroy, who later on repeated his performance of last year by capturing the diploma for best boar any age. He is a lengthy, level, well-balanced hog, with strong breed character. In the under year class the same exhibitor again an easy 1st on the Brethour boar Oak Lodge Mighty 7th, a an easy 1st on the brethour boar case houge mighty with, a good hog in every respect, but may be a trifle heavy on shoulder. Among the nine aged sows were some grand old matrons, but Greenway's importation from Brethour, the famous sow Stamina, could not be beaten. She is a sow of famous sow Stamina, could not be beaten. She is a sow of immense scale, great depth and length, well-balanced, and good at both ends; she was also awarded diploma for best sow any age. In this ring Mr. Greenway also showed Markham Maid, a grand old sow of Pike's breeding, that for five years in succession has captured the sow and litter prize. This years in succession has captured the sow and fitter prize. This year she had ten strapping youngsters tugging at the maternal fonts, but the Maid did not get a place in the aged ring, nor did another good entry, Oughton's Six, from the same pens. First again went to the Greenway pens on the Featherstone sow, Jubilee Queen, in the under two years class. First and 3rd in boars under six months went to sons of Markham Maid. The herd prize, boar and three females, all bred in Manitoba, went to Greenway on York-shire Bill, Oughton's Six, and two under six months, daughters of Markham Maid by the Diploma boar. The daughters of Markham Maid by the Diploma boar. The open herd prize went to same pens on Yorkshire Bill, Stamina, Markham Maid and Jubilee Queen, a strong com-bination indeed. Andrew Graham, Pomeroy, made the following winnings: 2nd on yearling boar, on Clear Grit, of Featherstone breeding; 2nd on Snowman 3rd, under six months, by Snowman, out of a Marjorie sow; 2nd and 3rd on sows under six months, on pigs of same litter; lst and 2nd on sows under a year, on pigs by Snowman, out of Marjorie dams; all of his own breeding. James Bray, Longburn, also exhibited in several classes, winning 2nd on Snowman 2nd, of Graham's breeding; 2nd and 3rd on sows Snowman 2nd, of Granam's orecards; 2nd and 3rd on sows under a year; and 2nd on sow and litter. A. B Potter, Montgomery, scored 1st on aged boars with Montgomery Giant, a good; even hog with plenty of bone, bred by Bray. In under year, 3rd on Brampton Paddy, and 2nd on aged a new exhibitor here, won 3rd on the aged sow Primrose, a

good sow very well brought out. Chester Whites made a very creditable showing. The old exhibitors in this class, R. S. Preston, Pilot Mound ; R. McLeod, Dugald ; Ed. Vance. Emerson ; and M. Oughton, Wood Bay, were reinforced by a new competitor in Mr. Wm. McBride, Portage la Prairie, who succeeded in carryin off several prizes in young pigs, 1st on boar under six months, and 1st, 2nd and 3rd on sows under six months. Preston scored 1st on an even, strong-boned, well-balanced, aged boar, and afterwards sweepstakes on same animal ; also 1st on boar under two years, 2nd on sow under two years, and 1st on sow under one year, 1st on sow and litter, and 1st for herd, boar and three sows any age. McLeod got 1st, 2nd and 3rd on boars under a year, 2nd on boars under six months, 1st and 2nd on aged sows - the first a particularly good sow, the second a great brood sow, though a trifle coarse about the head. She has produced 125 pigs in five years, not a bad record surely. McLeod also got 2nd and 3rd on sow under a year. Oughton got 1st and diploma on aged sow, and a right good one she is, long and deep, good hams, fairly light shoulders, and a nice head. Mr. Vance's entries were not brought out in the best of fit, owing, doubtless, to his very serious illness for some months past. Tamworths.-In this class there were two exhibitors, both new exhibitors here: L. A. Bradley, Portage la Prairie, who procured his foundation stock from E. H. Carter, and W. E. Baldwip, Manitou, whose foundation stock was bought from H. D. Hallman, New Dundee, Ont. The Baldwin entries were of extra fine quality and of true Tamworth type, long and deep of side, nicely hammed, light shoulders, with long, typical heads. He got 1st on boar under six months, sow under a year, and on sow under six months. Mr. Bradley's entries were nicely brought out, but are hardly as uniform a lot. He got a number of prizes. Duroc Jerseys.-W. M. & J. C. Smith, Fairfield Plains, Ont., had forward some good Durocs and got 1st on everything shown. Gillepsie & Snary, Winnipeg, had a number of entries. Their pigs were not fitted and did not make a very attractive exhibit.

AUGUST 1, 1898

the quality of the entries improves. The principal exhib-itors in this class were : John Traquair, Welwyn ; A. Cum-ming, Lone Tree; Hon. Walter Clifford, Austin ; and A. B. Fleming, Brandon. The two former sent in their cattle in best shape, and got most of the prizes, Traquair having the male champion in the two-year-old Athelstane, bred by Robert Hall, Griswo'd ; also the champion female and the herd prize, his cattle having more size and substance than the others. Mr. Cummings' heifer calf, Rosebank Beauty Srd, was referred to by the judge as being the most typical Anems on the ground. Angus on the ground.

GALLOWAYS.

There was but one exhibitor of Galloways, Mr. J. A. Simpson, of Poplar Point; he showed one entry in each class, and made a very creditable showing.

THE DAIRY BREEDS.

HOLSTEINS.

The black-and-whites were more numerously represented than usual, although the herd of R. McKenzie, High Bluff, was missed this year. For several years the Holsteins have had to submit to the judgment of breeders of Ayrshire or Jersey cattle, but this year they had their innings and a judge of their own in Mr. G. W. Clemons, the well-known breeder, of St. George, Ont. Six aged bulls responded to the call, and the judge, after carefully comparing the dairy indi-cations of each individual, sent the red to Glennie's Yekma Mercedes King, shown in very thin flesh, but showing a great network of milk veins, good chine, thin thighs, and a good skin. Second went to C. C. Castle's Ometta's Mink Mercedes Count; and third to J. Oughton's (Crystal City) son of the first prize bull, out of Glennie's famous cow Daisy Teak's Queen ; this bull was in high condition, and

has previously been a winner. In two-year-olds J. T. Hutchinson, Hayfield, got 1st on Hayfield Prince Clothilde. Wm. McCoy, Silver Springs, 2nd, and A. B. Potter, Montgomery, Assa., 3rd. Hutchinznu, and A. D. rotter, monogomery, Assa., sru. Hutchin-son again scored 1st in yearlings and also 3rd, and Glennie 2nd, all being bred by Mr. Hutchinson. In bull calves Potter's entry was 1st, Glennie's son of Daisy Teak's Queen 2nd, with Hutchinson's Parloa's Aaggie Clothilde 3rd. Glennie's aged bull was dec'ared champion male.

Ten aged cows lined up, and the judge was not long in

to themselves. Their three-year-old steers, Laurier and Tupper, and heifers, red and roan, were walking monuments of what careful breeding and feeding will do for the bullock. Clinker, a fine two-year-old, will stand further feeding and will doubtless come again. D. W. Mills, of Carman, showed several good entries.

SWINE.

The accommodation for swine was increased by the addition of a building just double the length of that erected a year ago. This furnished ample room for all exhibits, and the only complaint heard was the lack of air for the swine during the excessive heat; this could easily be improved by replacing the close board front of pens, in part, by slats. A judging ring adjoining the pens, floored and with railing round it, would be a great improvement. All classes were judged by Jos. Featherstone, M. P., Streetsville, Ont., and his decisions met with general approval.

Berkshires. — Although several well known exhibitors were absent, there were about thirty entries forward, and the quality of former years well sustained. The heavy fighting in this class was between R. McKenzie, of High Bluff, and F. W. Brown, Portage la Prairie, while the Hon. Thos. Greenway, Crystal City, and Andrew Graham, Pomery, had entries in a few classes, with one entry from John Cram, Pilot Mound. Five aged boars lined up in the first ring called, they being placed in the order named : Brown's Tippicance, a boar of good scale, length, depth and even ness; Greenway's King Clere, a hog of good quality, with excellent legs and feet, but maybe lacking slightly in depth; McKenzie's Milton Lad, not as fresh as he once was ; leaving unplaced Brown's Barton Duke and Cram's Sambo. Boars under two brought out McKenzie's Perfection, a Baron Lee 4th, bred by Teasdale; this is a young hog of great quality, with good length and depth. Proud Victor, another son of Baron Lee 4th, bred by J. G. Snell, from the McKenzie pens, stood 2nd, and Graham's O. A. C. 3rd. In the under-

Poland-Chinas were more numerously represented than usually, there being four exhibitors: Messrs. Smith, Fairfield Plains, Ont.; D. Fraser & Sons, Emerson: M. Oughton, Wood Bay; and W. L. Trann, Crystal City. The quality in this class was certainly better than it has ever been. The Ontario herd was shown in fine finish and year class Brown had the winning number in the Teasdale contained several winners at the leading fairs of Eastern 1898

kshire

He f the

Teas-

ing of ato an nonths s pigs, e s ged

great

a mag-

Sows rown's at pery: the IcKen-

th two

s Ladw

n sows the lst on sow d three

g over ong his bred by rmance

y age. g breed

7th, a avy on and old ur, the sow of d, and

or best showed that for er prize. at the he aged

om the on the

o years

went to d three

Yorknonths, r. The re Bill, ng com-Grit, of der six and 3rd er; lst , out of Bray,

2nd on on sows Potter,

gomery y Bray.

on aged,

omeroy,

nrose, a g. The ind ; R. ughton, in Mr.

FARMER'S ADVOCATE. THE

Canada. Most of the red tickets fell to this herd-on aged boar, boar under two years, boar under one year, boar under six months; also, on aged sow and sow under year, sweep-stakes sow and boar, herd, and second on sow and litter.

stakes sow and boar, herd, and second on sow and litter. M. Oughton, a new exhibitor in this class, had forward some good pigs and got red tickets on sow under six months and on sow and litter. W. L. Traun, also a new exhibitor, showed a few good entries and secured several blue tickets. *Any Other Pure Breeds.*—Under this heading K. McLeod, Dugald, showed Suffolks, and being the only com-petitor, and his entries being of real good merit, he was awarded the prizes for which he entered, being 1st and 2nd words all the way down the list.

awarded the prizes for which he encered, being 1st and 2nd nearly all the way down the list. Pork-packers' Special, given by J. Y. Griffin & Co., for pair pige not to exceed 250 lbs. First to L. A. Bradley, Portage la Prairie, on Tamworths; 2nd to Andrew Graham, Pomeroy, on Yorkshires; with a pair of Berkshires of R. McKenzie's a good third.

SHEEP.

This was one of the most disappointing departments of the show, and one of the poorest exhibits of sheep that has been made at the Industrial. It is lamentable that so few farmers take an interest in sheep in this country. Many of the entries sent in were in miserable condition. even for the endries sont in were in interactic condition, even for home pastures, let alone the showring, and sent forward with no pretense at fitting, evidently with the hope of scooping up a little prize money where no competition would be met. Of course, there were a few noticeable exceptions to these remarks, and these helped to save this department, high is housed in one of the hot show here helped to fave the department, which is housed in one of the best sheep barns in Canada,

which is noused in one of the best sheep barns in Canada, from utter disgrace. Joseph Featherstone, M. P., Streets-ville, Ont., judged all classes of sheep. *Cotswolds* were shown by A. B. Smith, Moosomin; M. Oughton, Wood Bay; and F. W. Brown, Portage Ia Prairie. Some good individuals were shown in this class, but without any special fitting. Most of the prizes went to the Moosomin flock.

the Moosomin noek. Leicesters were shown by Jas. Murray, Lyleton; A. D. Gamley, Branion; Duncan Sinclair, Oakville; and D. F. Preston, Glenewan. Murray got most of the firsts, but his flock were not looking as well as they have done on former occasions. A. D. Gamley, a new exhibitor, showed shear-ling and aged rams in nice fit and got 1st in both classes and dilorms on hest ram any age.

and diploma on best ram any age. Lincolns.—This breed was represented by one exhibitor only, W. T. Lytle, Beaconsfield, who showed full classes, all in ordinary field condition.

Shropshires .- In this class were the best sheep and the best brought out flock, that of J. A. S. Macmillan, Brandon, who deservedly won all the firsts throughout the class on

who deservedly won all the firsts throughout the class on sheep of extra fine quality and finish, exceptionally well brought out. J. Oughton, Crystal City, showed a number of good, strong, useful entries throughout this class, but without extra fitting. *Oxford Downs.*—Three exhibitors competed in this class. P. B. McLaren, Clearwater, who has previously shown in good condition, presented his sheep thin and unfitted. A. Wood, of Souris, a new exhibitor here, but many years with Henry Arkel, of Gualph, showed through-out the class some good sheep in nice condition and won most of the rel tickets. R. W. Jickling, Carman, also a new exhibitor in this ring, showed some creditable entries new exhibitor in this ring, showed some creditable entries of home-bred sheep and got a goed share of the tickets. Southdowns.-W. M. & J. C. Smith, Fairfield Plains,

Ont., got most of the 1st and 2nd prizes throughout this class, the only other exhibitors being D. Fraser & Sons, Emerson.

Dorset Horns were shown by Edward Vance, Emerson, securing the prizes in class for any other pure breed. The sheep were shown in very ordinary field condition.

Quality Tests in Experimental Hog Feeding. To the Editor FARMER'S ADVOCATE:

SIR,-In reply to your inquiry, "Is Danish

soul of the situation is in your paragraph (referring to one Ottawa experiment), "Unfortunately no re-cord is given as to quality." Experimental records that do not give as an ultimate result of the experi-ments the actual quality of the meat cannot be

Toronto, Ont., July 19th. EDITORIAL NOTE.—The members of our staff have raised and fed a few thousand hogs for local dealers and export packers, and think that Mr. Flavelle has probably touched the weak point in Mr. Freeman's system, that of hurrying the pige into and through the fattening period too rapidly, good health and a well-fleshed carcase considered. We favor a little longer run in an orchard or plot where there is short grass to pick, with moderate grain feeding, till the last month or so, when they may be more confined and the ration increased. In winter fattening, access to a small yard is de-sirable, and a few pulped roots with the ration consisting of mixed grains. — Our correspondent complains that Mr. Free-man did not state that his hogs produced first-class bacon of proper sized sides. Mr. Freeman sells to dealers, and the live hogs have been going for years, we understand, to leading packers. As he has been getting top prices, he did not follow them further, naturally concluding that the buyers knew what was wanted and that the pige were satisfactory. If they were not right, he stood ready, like any intelligent farmer, to vary plans. Mr. Flavelle says his (the Davies) Company has quit buying hogs from Oxford and adjoining coun-ties. The counties adjoining Oxford are Norfolk, Brant. Waterloo, Perth, Middlesex, and a corner of Elgin. It would be interesting tok hacon

Brant. Waterloo, Perth, Middlesex, and a corner of Elgin. It would be interesting to know where there is a territory that produces more good bacon hogs than that great dairy district, and were the facts known it would probably be seen that a large proportion of the hogs that have gone to build up Canada's bacon reputation came out of that very country. It may be that the cream of its hogs have been absorbed by the Ingersoll Packing Co., which has built up a splendid English trade, and the Canadian Packing Co., of London, Ont., which is run on very strict Danish principles; latterly a Collingwood concern has been taking some hogs out of part of the territory specified. We noticed that while the 'Oxford and adjacent counties" hogs were getting the above rap on the nose the Toronto market buyers were cutting prices 50 cents per cwt against the hogs from Essex and Kent. Our July 15th issue article on "Experimental Pig Our July 15th issue article on "Experimental Pig Feeding" gave the results of all the records at hand of experiments bearing on pig feeding in relation to (1) animal health. (2) gains from various foods and mixtures, and (3) quality of flesh produced, the latter being about quarter of the article, chiefly the results of work done by the Danish Government results of work done by the Danish Governm with special reference to quality and the British markets and "attested" by experts. The conclu-sions were strongly against a corn diet. The points in regard to animal health and gains for food consumed may not concern the packer specially, nor the little coterie of political editors who lately appeared on the scene as authorities on swine raising, and who would deprive the long-depressed cat-tle industry of a greatly needed boon-freer access to U. S. corn, but they are important to the farmer, being vital items in the cost of production. But quality of product is an all-important point, and Mr. Flavelle's letter emphasizes the need, which we have pointed out in previous issues, for accurate investi-gation with various foods and methods of feeding different types of animals. Given certain pigs, fed

and the animals numbered, then killed and cured by competent packers who know the market require-ments thoroughly, we will have effect traced directly to cause, obtaining accurate and valuable data not available in the ordinary course of the trade in which thousand of hoge raised on hundreds of farms in different ways go forward weekly from local buyers to packing-house centers. We trust our experimenters will not neglect the opportunity to serve a growing industry.

Our Scottish Letter.

our experimentars will not neglect the opportunity between a growing industry. Our Scottlab Letter. TH GMIAND AND AGRICULTURAL SHOW. The most important event in the agricultural world here since I last wrote was the seventy-first show of the Highland and Agricultural Society, which took place at Kalso during last week. As at the Royal, in the Shorthorn section animals of screellent Booth bull, named Border Reiver, owned by Lord Polwarth, was first in the aged class. He was second at the Royal, being besten by the Socth bull, Marengo. The championship of the Sonthorn section went to a young breeder, which took place at the Royal, being besten by the Sonthorn section went to a young breeder, with a bull named Star of Dawn, breed by Mr. Aler-ander M. Gordon. of Newton, Msch. The sire of this bull, Star of Morning, is, in our opinion, the best individual bull at the head of a Shorthorn herd in Aberdeenbire. He was sire of Mr. Duthle's hampion bull, Pride of Morning, which carried all before him at the Highland Society's Show in Aberdeen in 1994. Star of Dawn, the Highland thampion of 1896, is a remarkably straight bull, and it would be hard indeed to find one of straighter bull bred by Mr. Gordon has been winning at the has bred have also taken bigh honores at the Royal and Highland. The bull classes at the Highland this year were particularly meritorious, but the same level was not reached amongst the females. The hest female at the show was also owned by Mr. Graham Stiring. She is is nown as Strowan Marchionese, and not only did abs lead the cow also some other judges with at the Highland, and rightly or wrongly, especially amongst the bulk, were vigotously dealit with at the Highland, and rightly or wrongly, especially amongst the bulk, were sotion the awards at the Royal were somewhand in dick bull, famede Proud Duke, secured the male hampionship. He was only placed third at the probability deal the dergyman in Buchingham-hye high and the Royal and another Ballin-dal

cariying nder six months. alanced, animal; der two d litter, Leod got rs under particu-hough a pigs in got 2nd diploma d deep, d. Mr. t of fit, months

hibitors, tage la E. H. andation lee, Ont. l of true hammed. t 1st on ow under of prizes. | Plains, n everynumber t make a

ted than Smith. son ; M. al City. n it has inish and Eastern

bacon losing its strong hold on the British market by deterioration in quality?" please note :- In a letter from our London agent, before us this morn-ing, we have the following : "The quantity of soft and inferior product coming from Ireland is 50 to 60 nor control of the plane between the store of the following is the store of the store o 60 per cent., and from Denmark about 30 to 40 per cent. You, of course, must be amazed to see the vast quantity of seconds and soft bacon you are at present shipping us from Canada. We have our work cut out to find buyers for it at any price." When the writer was in England recently, the

complaints were very earnest and very general as to the deterioration in quality of an important per-centage of the arrivals of Danish bacon. In many instances buyers who had hitherto refused to have anything to do with Canadian were induced to try it because of the discritication there fold with Can anything to do with Canadian were induced to try it because of the dissatisfaction they felt with Con-tinental (Danish). Unfortunately, Canada has missed reaping the full advantage of the most favorable conditions which she has ever had for putting a large quantity of high-class bacon into competition with this poorer quality of Irish and Danish. She has missed this opportunity because of the year large parcentage of soft hors marketed of the very large percentage of soft hogs marketed, which have made hundreds of boxes weekly of soft bacon. Canadian farmers have fallen into pre-cisely the same error as Irish and Danish, and have failed in consequence to reap the full advantage which would have been theirs if all the stock going forward had been first-class.

We do not know to whom you refer in your article on "Opportunities for Investigation in Swine Feeding," when you state "A good many deliverances have lately been tendered on this subject by parties possessing little accurate information or ex perience"; but this much we know, that through faulty feeding Canada has made serious losses, and has never in her history produced such a large percentage of soft product as during the past three months. All the "Points in experimental pig feed ing for profit" (July 15th issue FARMER'S ADVO CATE) are of little value, inasmuch as the whole in a certain way at our public experiment stations,

buil, named Dias, own brouder, it we mistake not to Delamere, the first two year-old at the Royal. Both were bred by Mr. P. Chalmers, of Aldbar, Brechin, a gentleman who owns quite a superior herd. Females of the A. A. breed at the Highland ware stronger than the males. The breed championship went to Lord Strathmore's lovely heifer, May of Glamis. She defeated all the bulls as well as the other female winners, and is one of the best two-year-olds exhibited for many a day. His Lordship also won in the class of yearling heifers, and it must be acknowledged that his late herd bull, Siberian, has made an impression on the breed second to that made by few in its history. The older females were not characterized by anything like the same quality as the younger ones, but the stock as a whole reached a high average of merit. *Gallonogys* are usually seen to good advanatge the Highland Society, but this year somehow the numbers were weak, although the quality was first-class. Mr. John Cunningham, Durbamhill, Dalbeattie, maintained his family's reputation and secured by far the largest share of first prizes. His stock excel in quality, and he is at once a good judge and a right handler of cattle. The breed historia II. of Durhamhill, and he was, altogether, first in four classes out of siz. *Highland Cattle* are only exhibited in numbers interesting feature, and were clearly entitled to all the attention bestowed upon them. The cham-pionship of the breed went to the Duke of Atholl, K. T., for a two-year-old buil which last year was second in his class. Another bull breed by His Grace was first in the aged class, and the first prize yearling bull came from Mr. William Nimmo, Coun-ty Durham. He was bred by the Earl of Southeek, and was highest-mireed vearling at the Oban buil sale in spring. Mr. V. Smith. of Ardtornish, 'a wealthy gentleman who owns land extensively in Western Argylishire, was very successful in many of the classes, and not a few of the best animals

rere bred by him, although owned by others. His attle are brought out to perfection. The climate of Argylishire seems to agree well with the hardy Highland breed.

Ayrshires — The Highland Society is not the best show at which to see a large exhibition of Ayrshires, but this year the quality was above the swarage, and the championship went to Cherry Ripe, a splendid milk cow, owned by Messrs. R. & J. McAllister, Mid Ascog Bute, and the best bull of the breed was declared to be the first prize two-year-old, Gigantic Stunner, shown by Mr. Robt. Osborne, which was also first at the Royal.

Osborne, which was also first at the Royal. Clydesdales have often been represented in larger numbers, but seldom has the average of the quality been higher than at the Highland Show of 1898. The breed championship in the male section went to Meesra. A. & W. Montgomery, for their two-year-old colt Benedict, a son of the remarkable breeding horse, Baron's Pride 9122. Benedict is a strikingly handsome two-year-old colt, well colored, of a good size, and like a show horse all the time. The same owners were also first in the aged class with an excellent horse named Montrave Sentinel, one of the most typical cart horses exhibiting at with an excellent horse named Montrave Sentinel, one of the most typical cart horses exhibiting at the present time. The first three-year-old horse, Prince Thomas, was both owned and bred in the County of Durham. He was bred by the Marquis of Londonderry, and is owned by Mr. H. Webster, a comparatively new fancier, who has had remark-able success during his short career. He took first in two classes at this Show, and last year had the championship of the females. Mr. W. S. Park, Hatton, Bishopton, was first in the yearling class with a superior colt, bred in Aberdeenshire. The championship of the females this year went to Sir John Gilmour, of Montrave, for his celebrated mare, Montrave Maud. This mare gained the Cawdor Cup in 1896, and has again won it. She is a daughter of the renowned Moss Rose, which

although, as their name indicates, originated in the border district, the fact that the prizes at this show held at the headquarters of the breed were gained by exhibitors far removed from the center proves the cosmopolitan nature of the Border Leicesters. The championship of the breed went to a three shear ram, named Challenge Cup, bred to a three-shear ram, named Challenge Cup, bred in Cumberland, and owned by Mr. Matthew Tem-pleton, Kirkcudbright. The first prize shearling ram came from Ross-shire, the first prize gimmer from Ayrshire, and the first prize ewe from East Lothian. Altogether we have had a fine show at Kelso. "Scotland YET."

The Flock at Weaning Time.

According to the decision of our best shepherds, as indicated by their practice, March and April lambs should be weaned early in August or before that date. This is important for the better doing of the lambs, as well as for the ewes, which have by this the barrene by the standard entry to this time become considerably reduced, owing to the dryness of the pastures and the frequent tugging by the lambs. The lambs, by more than half depending upon their dams for nourishment, do not assert their independence by seeking to get a not assert their independence by seeking to get a living apart from their mothers. It becomes at this stage within the province of the breeder who has the well-being of the lambs and their dams at beart, to interfere on behalf of each branch of the flock, and not only separate them but provide the con-ditions and restrict word reside to the well. ditions and pastures most conducive to the well-being of each. Weahing will result in less set-back to the lambs, and especially the younger mem-bers, by accustoming them to a daily feed of oats and oil cake, or oats and crushed peas, some weeks before weaning takes place. They will then have learned to look to the troughs as foster mothers, which they will soon adopt after the separation has taken place

The wise breeder will have provided a special

back, so as to give them an evener, smooth and plump appearance, which makes them more pleas-ing to a visitor. It requires some skill to do this well, but every owner of a pure-bred flock should be able to do this bit of dressing in a creditable manner.

AUGUST 1. 1898

Some sheepmen recommend and practice weaning the lambs gradually, principally to prevent in-jury to the ewes by their udders becoming over-stocked with milk; but our plan has always been to turn them into a dry pasture a couple of weeks and have them brought up, and those that need it milked out two or three times a week till they have become nearly dry, when a better pasture should be provided, which will soon show its effect in their improved condition. A shepherd who takes a pride in his charge will go over the ewe flock and trim them into neat form, removing the more prominent ridges from the last shearing and other prominent ridges from the last and the second prominent ridges from the last and the second provide the second provide the second be got into nice thriving condition by the should be got into nice thriving condition by the time the mating season arrives. There is no better time the mating season arrives. There is no better treatment to this end than ten days or two weeks, run in a well-grown rape patch, which not only tones them up but brings them into season in good time.

Selection of Rams.

The demand for well-bred sheep for breeding purposes has not been so good for many years as at the present time, and prices have reached a fairly satisfactory point. As usual, the best are most sought after, and bring the highest price. No class of stock can be more rapidly improved by the use of good sires than can sheep. A pure-bred ram of strong character will make a wonderful improvement in the quality of the offspring, even



FIRST PRIZE WINNERS IN THE SHORTHORN CLASS AT THE WINNIPEG INDUSTRIAL, 1898; THE PROPERTY OF THE HON. THOS. GREENWAY, "PRAIRIE HOME" STOCK FARM, CRYSTAL CITY, MAN.

PRAIRIE FLOWER : 1st prize heifer calf.

JUBILEE QUEEN; 1st prize yearling.

FRIEDA =27621=; 1st prize 3-year-old. GEM OF ATHELSTANE = 28324 = ; lst prize 2-year-old and sweep-stakes female.

DAISY OF STRATHALLAN 12TH =26107= ; 1st prize aged cow.

CAITHNESS = 22065 = : 1st prize aged bull.

twice gained the Cawdor Cup, and her son, Montrave Mac, was second at this Show in the aged class. Two of his daughters again were in turn second and third in the yearling class. The first prize brood mare, Mary Kerr, and the first prize two-year-old filly, Diamond Queen, were both got by the famous prize horse, Prince Alexander 8899, the first winner of the Cawdor Cup for stallions. Mary Kerr is owned by Mr. William Dunlop, Dunure Mains, Ayr, and the Diamond Queen by Mr. A. B. Matthews, Newton-Stewart, and both were bred in the Girvan district. The first prize yeld mare was Mr. Webster's Lady Lothian, which last year won the Cawdor Cup, and the first prize three-year-old mare, Golden Belle, is owned by Messrs. G. & J. Cocker, Fyvie. She was got by Gold Mine, trave Mac, was second at this Show in the aged G. & J. Cocker, Fyvie. She was got by Gold Mine, a fine type of cart horse, who won the champion ship at Glasgow as a yearling. The first yearling filly was the unbeaten Maid of Athens, owned by Mr. A. Guild, and, like the champion horse and many other good ones, got by Baron's Pride. Alto-gether, the show of 1898 has been a most successful one.

A BORDER LEICESTER FLOCK BOOK.

Apart from the individual animals exhibited. possibly the most important event of the week has been the inauguration of a Flock Book Society for Border Leicester sheep. These sheep occupy the same place in the sheep world as is taken by Shorthorns in the cattle world. They are undoubtedly the best tups for crossing purposes, and whether put to Blackface ewes or Cheviot ewes the result is always a most satisfactory commercial lamb. It was high time the Border Leicester men pulled themselves together and attempted the institution of a flock book, as there can be no doubt they lose to a large extent in the foreign trade from the absence of such a record. These sheep will un-doubtedly become popular throughout the world when their merits become as well known as they are in Scotland. They are widely diffused, and

lamb pasture to be ready to turn into at this sea-An aftermath clover field is generally accessi son. ble at this season, and answers a good purpose in sending the youngsters forward. Of course, it is wise to separate the sexes, as the more precocious bucks incline to tease the ewes, and thus prevent the best advancement of either sex. It is, therefore, necessary to have two pasture fields or a line of hurdles to run through the lot to be used. Here is where a patch of early sown rape, near the barn, is of great advantage. As it is generally desired to hasten the ram lambs forward as fast as possible, so as to be ready for the buyers later on, a couple of feeds of grain daily along with the rape will cause them to grow rapidly and lay on flesh. A quart per day of oats, peas and bran, in equal pro-portions by measure, for three or four lambs, is quite heavy enough feeding, except they are to be sent to the shows, when they should have all they will eat up clean twice a day. Free access to a grass pasture will afford a wholesome change and keep the flock contented.

The ewe lambs on fresh clover will grow well, even with no grain adjunct, but a breakfast of oats and bran, a quart for four, will not be lost on wellbred lambs, whether they are to be sold as lambs, shearlings, or kept in the breeding flock. Fresh water should be provided at this warm season, even on succulent pasture, as the frequent drinks of milk the dams provided heretofore will now be missed. It need hardly be stated that rock or loose salt should be within reach at all times.

Before separating the ewes and lambs all purebred lambs should have their ear labels put in, and their numbers entered in the private flock book, along with the numbers of sire and dam. can then be registered whenever the owner desires, when no doubts will be entertained as to their correct parentage. It is well, too, to go over the flock

from a very ordinary flock of ewes, and the continued use of a ram of the same class will in a very few years raise the standard of the flock to one of uniform type and quality, if the young ewes are retained and the old ones weeded out as they should be. It is advisable to select and purchase the ram early in the season-two to three months before he is needed for service. The change of feed and surroundings, everything being strange to him. is not favorable to the surest and best results in breeding, but, in our opinion, largely accounts for so many rams being unsure for the first two or three weeks after being brought into a flock of ewes. If a ram is brought from a considerable distance, considerable time is necessary for him to become acclimated. Besides these considerations, a better selection may be secured early in the season before the stock has been culled, and there is generally much greater difference between the value for breeding purposes of the first choice and the third than the difference in the price may seem to indicate. It is well to act on the assumption that the best is none too good, if the price is within our means, or is likely to be justified by all the circumstances. Many farmers seem to think a ram is troublesome to keep before the breeding season ar-rives, but there is little ground for this notion. The ram lambs should be separated from the ewe lambs in order that both may do well, and the stock ram may safely and quietly be kept with the ram lambe, or, if these are sold, two or three old ewes intended for the butcher may be placed with him for company. The practice of changing rams every year is not, as a rule, commendable. If a satisfactory sire has been secured, it is safer to keep and use him for two seasons at least, and if his lambs are extra good, it is wiser to retain him for breeding with the older ewes, while a young ram is used with his daughters, rather than let him go at an indifAUGUST 1, 1898

1898

and leas-this ould able eant inveren to

and d it

have

ould

t in akes and ther feed-flock the

etter eeks. only good

ding as at airly most class 8 **use** ram imeven

conin a ck to

ewes they chase onths f feed him. lts in

ts for TO OF ck of

rable

im to

tions, the there

n the e and seem ption

e ciram is

on ar-

The ambs

ram mbr,

ended com-

year ctory d use s are

eding with indif-

THE FARMER'S ADVOCATE.

ferent price, and trust to an untried ram for the whole flock. It is well to hold the older ram if he is satisfactory until you are pretty sure you have one as good to succeed him. The principal point to be observed in the selec-tion of a stock ram is a robust constitution, as indicated by a broad chest, good heart girth, a short, strong neck, a masculine head, and strong, straight legs and feet. In addition to these fea-tures, he should have a proud, confident bearing, be active and spirited, looking like "a prince among his peers," and showing what is known among breeders as *character*. His testicles should be a good size and hanging loosely in a large and well-covered sack, and if he has a determined dis-position, all the better. Close attention should be given to the quality of his fleece, as to fineness, density, luster and evenness of the staple on all parts of the body ; avoid coarseness of the wool on the thighs, and see that there are not two or three kinds of wool on as many different parts of the privation of wool on as many different parts of the kinds of wool on as many different parts of the carcass. Having secured these essential qualities, the fancy points may have attention, but they should be regarded as secondary.

FARM.

Preparing for Wheat Sowing.

Preparing for Wheat Sowing. Advantage should be taken of any opportuni-ties which may occur during the harvest weeks owing to rains which delay harvesting operations, or to the possible lapse of time between the ripening of the various grain crops, to keep the teams at work preparing the land on which it is in-tended to sow fall wheat. If a summer-fallow has been worked for this purpose, and it is not too wet to plow to advantage, it is well to have it plowed early so that the land may have time to get settled and impacted before the wheat is sown, and in order to do this it may be well to roll immediately after the plowing, and to harrow the surface freely in order to form the earth mulch necessary to re-tain the moisture in the soil which will be needed to give the wheat a good start when it is sown. If in order to form the earth mulch necessary to re-tain the moisture in the soil which will be needed to give the wheat a good start when it is sown. If at any time during the harvest, from heavy rain-falls, the fallow is too wet to work, and the corn and root land is too wet to work, and the corn and root land is too wet to cultivate, a piece of clover sod, or even of old grass land, may with ad-vantage be plowed for wheat, but the chances for a good crop will depend very much upon the amount of surface cultivation the land receives between the time of plowing and the sowing. The plowing should be done at least four or five weeks before seeding time. The roller should in-variably follow the plow the same day, and the harrow should follow the roller immediately, or within a day after, the harrowing being repeated after each shower of rain to hasten the decomposi-tion of the sod and to conserve the moisture in the soil. Wheat may be successfully grown after peas which have been sown on inverted sod, and if the land is loose and friable, as it generally is after the peas are harvested, and if the field is tolerably clean of thistles or other weeds, there is nothing to be gained by plowing it for wheat, but a better preparation may be made by cultivating it both ways with a broad-toothed cultivator, well sharp-ened to cut all thistles and move the soil to the depth of three or four inches, to be followed by a vigorous harrowing, repeated especially after each rain until seeding times arrives. The best time to sow wheat is just after a rain, and from the first to the fifteenth of September is a suitable time in the rain until seeding times arrives. The best time to sow wheat is just after a rain, and from the first to the fifteenth of September is a suitable time in the greater part of Central Canada. When sown much later than this it does not have time to stool out and make sufficient growth to cover the ground before winter sets in, and to get strong enough to endure the viscissitudes of winter and of the chilly endure the viscissitudes of winter and of the chilly months of spring. Just before sowing, the land should be well harrowed, and if necessary to give it firmness, it should be rolled before sowing. It should be so firm that a team will not sink more than an inch when walking over it. Soil in this condition, firm below and loose on top, will hold moisture even during a very dry time, such as was experienced in many districts in Canada last fall. Land prepared as we have indicated, last year produced full crops of wheat, while late plowed and hastily prepared fields had no moisture stored, the wheat sown got a poor start, went into the winter weak, and proved a partial or a total failure. The selection of good a partial or a total failure. The selection of good seed is important. It is well to choose a variety which has proven a good yielder in your own neighborhood, on your own farm or on similar soil and under similar conditions. Change of varieand under similar conditions. Unange of varie-ties had better be made on a limited scale until tested on your own farm, and when you find a sort that does well for you, stick to that sort until you are sure of another variety that will do better. There is much difference of opinion as to the proper quantity of another to reprint the start seed, but no fixed rule can be laid down. Much depends upon the conditions of soil and seed and weather. Five pecks may be enough in one case, weather. Five pecks may be enough in one case, and two bushels may not be too much in another. The quantity to be used depends upon the con-dition of the soil, the time of sowing, the stooling qualities of the particular variety, and the size of the seed grain. The special points to be ob-served in successful wheat growing are to plow early, to continue surface cultivation, secure a firm seed-bed with loose surface. Sow in good

season in a moist soil, and trust a beneficent Providence for the harvest. It is well to sow timothy seed at the rate of 5 to 6 lbs. per acre at the time of sowing the wheat or very soon after, even if the intention is to sow clover in the spring, as for some reason the clover may not catch and it is better to have a crop of timothy than no grass and no hay. If from a heavy rain the land be-comes packed and baked after the seed is sown, we would not hesitate to harrow it freely to loosen the surface and admit the air.

Hints on Preparation for Fall Wheat.

the surface and admit the air. Hints on Preparation for Fall Wheat. The dry weather which occurred during the season for fall wheat seeding last year has taught thoroughly pulverized at once, with frequent culti-during of the grain when sown. Tand which was thus treated last season con-tinued drouth, to bring up the crop promptly and without further working until seeding time, or ployed just before sowing the crop, produced as more sufficient working of the crops horduced as more ployed in the state of the preceding one. I would dowed just before sowing the crop produced as more ployed just before sowing the crops have given best results. If the manure is applied to the wheat of the soil and bring it as near the unface as possible. Each day's plowing should at once be ployed in the solit as near the unface as possible. Each day's plowing should at once be ployed in the solit and bring it as near the unface as possible. Each day's plowing should at once be ployed and harrowed to thoroughly pulverize the work frequently stirred with cultivator or harrow, and check evaporation. If the solit is after-wards frequently stirred with cultivator or harrow, and harrowed to thoroughly pulverize the states above to ensure prompt germination of the grain. Rolling the land before sowing is essential for secure a firm seed-bed; but rolling after seed-ing to secure a firm seed-bed; but rolling after seed-ing the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assist sur-favor having the drills cross the lands to assis before winter sets in. Lambton Co., Ont.

Dawson's Golden Chaff the Principal Sort.

To the Editor FARMER'S ADVOCATE: SIR, -Dawson's Golden Chaff is the principal variety of fall wheat grown here, with a little Red Clawson thrown in. I have grown Dawson's and Diamond Grit and Genesse Giant, all of which have proved good wheat. Though the spring was unfavorable and wheat was considerably hurt through April, these new varieties made up exceptionally well and stood thick with heavy head, but we have not had a season to try the real merits of any variety—no rains or damp to cause rust and smut; we never have to any extent. Where wheat has been a failure or even poor, it is due to the closing of winter and opening of spring, and where it is even light it is due to im-poverished soil and not sufficent plant food to bring it along. W. G. BALDWIN. To the Editor FARMER'S ADVOCATE : Essex County, Ont.

ties will probably surpass them in yield. My best wheat this year is a mixture of Reliable, Dawson, Golden Chaff, and G. Giant, grown on barley and fall wheat stubble, on part of which was used Bradley's fertilizer, about 200 lbs. per acre. The advantage of the fertilizer was quite noticeable in a thicker stand, larger heads and early maturity. It was only tried as an experiment in alternate strips over the field. The fertilizer was sown broadcast before drilling the wheat. From the 28th August to the 5th of September I find the best time to sow, and sow one and three-quarters bushels to the acre. Oxford Co., Ont. H. BOLLERT.

357

Fall Wheat on Fallow or Pea Stubble. To the Editor FARMER'S ADVOCATE :

Fail Wheat on Fallow or Pea Stubble. To the Editor FARMEN'S ADVOLATE: Sin, — We usually sow fall wheat either on summer-fallow or on peas stubble. If summer-fallow, the ground is usually plowed three times, and this is usually plowed three times, and the ground is usually plowed three times, and the usually after sowing; is that is, if it is too hoose, like "an ash heap," we use a cultivator and finishing harrow, if lumpy; roll before sowing and usually after sowing, although we are not sure that it is best to roll after sowing, expectally if seeded with timothy. However, if left to roll until spring it is often neglected altogether. If nicely undulating, 20-yard lands answer; if level, 12 yards. Sowing not too deep, but that all is covered a good depth; from 14 to 14 bushels per acre, from north to south, thinking the west winds will keep it better covered. We will sow Red Olawson, but there are other varieties in this locality that have done well. We have been sowing the last week in August and first week of September with your as soon as possible after the crop is off, then leave it for seeds and peas to start, when we plow it well with the single plow, sowing it a little thicker than to use a spring-tooth cultivator the direction the field was plowed, followed with the finishing harrow to cross it with, and not the oultivator, but always use cultivator and harrow to cross it with, and not the inishing harrow to cross it with, and not the finishing harrow to cross it with, and not the inishing harrow to cross it with, and not the inishing harrow to cross it with, and not the inishing harrow to cross it with, and not the inishing harrow to cross it with, and not the inishing harrow to cross it w

Fall Wheat Forty Bushels to the Acre. HARROW AND ROLL IMMEDIATELY AFTER THE

PLOW. To the Editor FARMER'S ADVOCATE:

 MARROW AND ROLL IMMEDIATELY APTER THE PLOW.
 Dittor Farmer's ADVORT:
 Dittor Farmer's Middlesex Co., Ont.

Fall Wheat After Peas.

To the Editor FARMER'S ADVOCATE :

To the Editor FARMER'S ADVOCATE: SIR.—I always grow my fall wheat on pea ground, which I prepare as follows: I turn down clover stubble in the spring, on which I draw and spread the manure during the winter; after peas are harvested I plow as soon as possible, harrow, and roll it, and if not fine enough, use the disk once or twice on it, so as to get a fine seed-bed, and have never lost a crop with this treatment. Another successful method is to either pasture clover or cut it early for hay; give it a coat of manure, plow, and then use the roller and harrow, and if weeds should come up, use the gang plow, but only work it shallow. When land is well drained, either natural or artificial. I prefer wide lands (about twenty yards wide). I regulate the drill to sow to the depth of two and a half to three inches; prefer to have the drills run north and south, but cannot say that I have seen any material difference from other directions.

Mr. A. McD. Allan, of Goderich, Ont., well known to the older horticultural readers of the FARMER'S ADVOCATE, has been appointed Fruit Commissioner for Canada at the Paris Exposition of 1900. He was an early director and president of the Ontario Fruit Growers' Association, and has had a long and intimate acquaintance with our fruit industry, being Canadian Commissioner on fruits at the Indian and Colonial Exhibition, Lon-don, Eng., a few years ago. don, Eng., a few years ago.

Good Crop Follows Good Preparation.

358

lst. Almost the only variety of wheat sown in this neighborhood at present, and the one that is giving the best satisfaction, is the Early Clawson. The only objection farmers have to it is on account of it not weighing as heavily per measured bushel as many of the other varieties.

The only only in the second se

Good Drainage and Rich Soil for Fall Wheat e Editor FARMER'S ADVOCATE :

To the Editor FARMER'S ADVOCATE: SIE, — To grow fall wheat successfully, there are two prime essentials. First, you must have good drainage, either natural or artificial; and, secondly, you must provide sufficient plant food in the soil to nourish the plant during its babyhood days. Now, there is no doubt whatever that the best crop to precede fall wheat is one of clover, either meadow, pasture or Alsike stubble. Plow early, not later than the middle of July, and plow deep and thorough. I am one of those who have never been convinced that it is all nonsense to get down to the subsoil. I was taught the old maxim in my early days—"To plow thorough and deep while slug-gards sleep, and you'll have corn to sell or keep," and I always remember this when I go to plow for fall wheat. Keep the land well worked after the plowing with cultivator, harrow and roller, so as to compact it well. As to width of lands, I think you need not be very particular about that, any convenient size will answer where drainage is good. I usually sow about seven pecks of finest quality seed to the acre, about three inches deep, and always up and down the longitudinal slope of the field, be it ever so little. For our latitude I consider the first week of September the best time to sow, and the variety best adapted to this section is undoubtedly ever so little. For our latitude I consider the first week of September the best time to sow, and the variety best adapted to this section is undoubtedly D_wson's Golden Chaff, with Genesee Giant a good second. I have noticed a few fields treated as here described in this neighborhood last year, and they are, without exception, the finest crops of fall wheat that have been grown around here for a great many years. It will be no surprise to find when threshed that they will yield forty bushels per acre. JOHN BURNS. Perth Co., Ont.

Destruction of Wild Mustard by Sulphate of Copper Solution.

In July 15th issue of the FARMER'S ADVOCATE information is asked by Mr. Eustace Smith regarding the operation of spraying a crop of corn and wild mustard with sulphate of copper solution with a view to destroy the latter. Until recently we have seen very little regarding the treatment, but the Farmer and Stockbreeder of a late issue contains references to trials conducted on various crops with sulphate of copper solution at the Tech-nical Laboratories of Chelmsford, Essex, England,

from which we quote as follows: "About the middle of April a field of barley was selected in which an abundance of charlock (wild mustard) was making its appearance. By means of a strawsonizer (sprayer), several strips of this, under varying conditions of weather and at different periods of growth, have been sprayed with 1, 2, 4, and 6 per cent. solutions of sulphate of copper applied in quantities varying between 10 and 100 gallons per acre. A 1-per-cent. solution was found to be too weak to kill all the charlock ; was found to be too weak to kill all the charlock ; a 6 per cent. solution was found to be strong enough to slightly damage the barley. Applied at the rate of 10 gallons an acre, some of the charlock escaped the spraying; 100 gallons was found to be far more than was necessary. A 2-per-cent. solu-tion applied at the rate of 25 to 50 gallons an acre during dry weather, and at an early period of growth, was found to be completely successful in destroying the charlock without interview. growth, was round to be completely successful in destroying the charlock without injuring the barley. At the time of writing, when the rest of the field is yellow with charlock, the strips thus sprayed are entirely free, and the barley is growing stronger and has a better color than in the rest of the field, there being no charlock to use up the nutriment of the soil. "Of the crops to which this treatment can be applied, no doubt barley is the most important, but it may be assumed that, if the necessity arises, any It may be assumed that, if the necessity arises, any other cereal crops may be safely sprayed in the same manner. It has been found that peas, although at first the spraying slightly injures the young leaves, are in the long run quite unaffected, and this method may therefore be used to destroy the charlock in this crop. "With regard to roots, mangels were found to be uninjured, but swedes and turnips, and some other plants allied to the genus Brassica, being of the same nature as charlock, would certainly be destroyed by this treatment. Of other weeds few seem to be effected by the spray, but thistles, though not killed, are blackened and stunted. A convenient spraving apparatus is the 'knap sack strawsometer.' Two men will be required, one to spray and the other to fill the reservoir when empty, and it will occupy two hours to spray one acre. From this the cost of labor in any locality

can be calculated. The cost of the sulphate of copper is 3d. per pound, and if five pounds are re-quired per acre, the total cost of material is 1s. 3d." The following specific directions will be found useful :

Procure ground sulphate of copper (bluestone or blue vitriol; dissolve 2 lbs. in every ten gallons of water. Or, procure a saturated solution of the sulphate of copper (about 32 per cent.), and dilute one pint of this solution to two gallons with water. *How to Spray.*—When spraying, pump hard enough with the one hand to make the finest possi-ble energy and with the other direct the spray.

enough with the one hand to make the finest possi-ble spray, and with the other direct the spray; walk down the field sufficiently slowly to ensure every leaf receiving some of the liquid. For this, from twenty-five to fifty gallons of the solution will be required per acre. Choose a still day for the spraying, or the fine spray will be blown off. The operation must be carried out in fine weather; a shower of rain falling before the solution has The operation must be carried out in fine weather ; a shower of rain falling before the solution has been absorbed is found to wash it from the leaves and leave the charlock uninjured. Spray the field, if possible, when the charlock first appears. At a later stage of growth, the charlock is shielded by the crop, and may partly escape. If sprayed when the charlock is in flower, although the solution does not adhere to the petals, and the bloom is not directly injured, the charlock is sufficiently dam-aged to prevent it from seeding. aged to prevent it from seeding.

POULTRY.

To Preserve Eggs.

When it is desired to use a pickle in which to preserve eggs fresh and wholesome the following mixture will give good satisfaction when newly laid, sound shelled stock is put in each day as laid : Place 4 pounds of unslacked lime, 1 pound of salt, Place 4 pounds of unslacked lime, 1 pound of salt, and 1 ounce of cream tarter in an earthen jar; then add 3 gallons of boiling water, stir well and allow the mixture to stand for two days, when it is ready to receive the eggs. The vessel should stand in a cool place where it is not likely to be dis-turbed. There should be quite two inches of the liquid standing above the top layer of eggs. As the water evaporates, add cold water up to where it previously stood in the vessel.

Chickens Dying Suddenly -- Lice the Cause.

In our Questions and Answers Department of In our Questions and Answers Department of July 15th issue, we replied very briefly to G. L. Lamb's enquiry regarding a serious trouble with chickens. We regretted we could not tell just what was wrong and just how to treat the flock successfully. Since then we have met a similar case in which a flock was dying rapidly. The same experience was encountered last year without the trouble being found out, but recently the cause was discovered to be lice on the head. One or two applications of grease on the head stopped the was discovered to be lice on the head. One or two applications of grease on the head stopped the trouble at once, but we would warn those who have charge of poultry against applications of grease beneath the wings, as it is apt to prove fatal to the chickens, but on the head it does no harm. It seems difficult to understand how lice on chickens' heads can result in sudden, fatal termi-nation, but other results of lice infestation are as difficult to understand as the one we have named.

Bowel trouble in summer, drowsiness, refusal to eat, slow growth, sudden death, gradual wasting away, constant crying, loss of feathers on the head, and other remarkable symptoms indicate lice in chickens. Brooder chickens never have lice, and as a rule grov than tho with other poultry. Large lice kill ducks suddenly and cause the death of many young turkeys. Whenever a sick fowl is found dusting itself it should be examsick rown is found dusting itself it should be exam-ined for lice. Many who understand how to get rid of lice do not believe their chickens are in-fested, and therefore do nothing for them. It is not the little red lice seen in the poultry house that does the great damage, but the large gray body lice which work on the heads, neck and vents, and which never laws the birds that accurate and which never leave the birds, that cause the serious trouble. These are not easily discovered, but require a diligent search to locate them. A single one of these voracious fellows on the head or throat of a young chick will sometimes cause the youngster to droop and die. A dust bath in a cleanly kept house will enable the hens to keep the little mites down, but the larger lice are not so easily disposed of. An ounce of carbolate of lime in a half bushel of dry, fine earth, or finely-sifted coal ashes, makes an excellent dust bath, but under no circumstances should wood ashes be used. To make a thorough job of getting rid of a bad infestation of lice, the house should be sprayed every day for a week with kerosene emulsion. made as follows: Cut up (slice) half a pound of hard soap in half a gallon of soft water. When the water boils, and the soap is dissolved, remove it from the fire, and add half a gallon of kerosene (coal oil). Agitate it with a spray pump for ten minutes, and a creamy mass will be formed, which becomes a jelly when cold. Add two ounces of crude carbolic acid to the kerosene before mixing with the soap. When you have finished agitating the mixture, add five gallons of water, or soapsuds from the family washing, and you have the cheapest and best mixture that can be made. Grease the heads of the chicks every second day until the lice are gone with lard, sweet oil, linseed oil or butter. The nits as well as the lice must be de-stroyed. Dust freshly-slacked lime freely every-

where—in the nests, on the floor, walls, and over the yard. A good dry mixture is: slacked lime, one peck; tobacco dust, two quarts, and carbolate of lime, one pound. Mix thoroughly, and dust liberally into the feathers of the mature fowls, as well as throughout the house.

Unfertilized Eggs.

There seems to be various opinions among poultry breeders as to the merits and demerits of poultry breeders as to the merits and demerits of allowing the males to occupy the same pens with the hens, or in keeping males with the flock if the poultry is allowed free range. Some claim that the hens lay better when no male bird is present, as he molests them and disturbs their usual placidas he molests them and disturbs their usual placid-ity. Some claim that the hens lay better, as they get more exercise, because of the many calls of the male bird to "Come and see what a nice worm I have." Some think there will be no eggs at all unless a male bird is present, and following out this idea to extremes, they keep nearly a dozen males with a small flock of hens. The result is, usually, very few chickens. I might here add that I usually find one male with a flock of thirty or forty hens gives more fertilized eggs than does two or more, provided the flock is not confined in pens. I have provided the flock is not confined in pens. I have come to the conclusion that it is not so much the absence or the presence of males that cause the dif-ference in the number of eggs laid, as it is in the reference in the humber of eggs laid, as it is in the breed of hens kept. Perhaps the advocates of the "no male" plan have active exercisers, while those who approve of numerous males have a lazier breed, which will sit in the shade till called to food. From experience I should favor keeping male birds, From experience I should favor Keeping male birds, for with a large flock of hens laying few eggs when a couple of roosters were present, I found, after kill-ing them, aflock of hens laying "fewer" eggs. But all agree that an unfertilized egg is better than a fer-tilized ; but very few merchants, buyers, grocers or ordinary consumers know this, or, if they do, they do the difference I four t do not appreciate the difference. I find they will do not appreciate the difference. I find they will not pay one cent on a hundred more for guaranteed fresh and unfertilized eggs than they do for a lot of ordinary eggs, which, for all they know, may contain a germ which has already begun to decay. In speaking to a dealer on the question of supply-ing unfertilized eggs, he asked, "What kind of eggs are they," evidently considering "unfer-tilized" to be a new variety of hens, or, perhaps, a different kind of fowl. A consumer said to me, "I would like to buy a crate of eggs for winter use when they are cheap, but I am afraid I could not pack them so that they will keep." I replied, "Get pack them so that they will keep." I replied, "Get them from someone who keeps no male birds with his flock, or unfertilized eggs, and they will keep forever." She enquired, "What difference will that make," and when I explained that where there was no life there could not be death and decay, she said she had never heard of it nor had ever thought of it before. The question then arises, "How shall we educate the dealers and the consumers to know the value of unfertilized eggs ?" We know they are much nicer for eating, even when new laid. Some writer has said, "Where no males are kept the hens are not so inclined to hatch, instinct teaching them it is useless." This does not prove true in my experience, as I have had a hen bring out chickens from a stolen nest about six weeks after the male was killed. Of course, that was not an exception, but I have also had them sitting for some time, and on breaking the eggs I have discovered no life germ in any of them. So that the fertilization or lack of it does not seem to be a cause of the propensity to hatch which is exhibited by some hens when they have the sligh encouragement. Another benefit to be derived from unfertilized eggs, where fowls have unlimited range, is the absence of those late flocks of chickens which come unexpectedly in the late summer and autumn, just when we do not want them : yet we hate to have them come out and get our attention, and are of very little value when they are raised. Middlesex Co., Ont. GYRA.

Summer Treatment of Chicks. LOOK OUT FOR LICE.

Now that hot weather is here, and chicks presumably all hatched, it behooves us all to find out the best means of hurrying them along—the cock-erels to the block, the pullets to the laying pens. This is more especially true in the west this year on account of scarcity of food supplies and con-sequent high prices. The first thing to look out for, and keep looking out for, is lice. The direct cost of fighting lice is small; the indirect, if neglected, is very heavy. At present we will consider that chicks have been well looked over; on the heads for large head lice, on necks for lice usually found there, and fluff examined carefully for the lively body lice, and all found clean. But do not be too sure that because you cannot see any lice that none are present. I once knew a man offer a dollar apiece for all lice found upon his chicks-a well-kept small flock of beauties. A mutual friend caught a hen, and astonished the owner by showing him that lice were present in considerable Lice, I firmly believe, are the cause of numbers. the death of one-half of all chicks that die young. For young chickens hatched twenty-four to thirtysix hours I have found nothing to equal stale bread soaked in milk and squeezed nearly dry. I some-times buy the cheapest grade of flour obtainable, mix equal parts, by measure, of shorts, and make bread of it, but make sure of having it made at least forty-eight hours before it will be required. They relish it and show by their growth that it is

AUGUST 1, 1898

over olate dust 18, 88

nong with f the

that sent, lacid-

they lls of

at all t this males ually, hens more, have h the ne difin the those food.

birds,

when

er kill-But a fer-

they y will anteed

a lot

, may decay upply-ind of

unferaps, a ne, "I er use ld not "Get s with

keep

e will where

nd de

or had

then nd the

eggs ?"

, even

ere no hatch,

a hen

ut six

e, that

them

eggs I

m. So eem to is ex-

ightest

good for them. I vary this by means of a mash made of equal parts of cracked corn and bran moistened with boiling water, if possible using that in which meat has been boiled. This is fed in a crumbly state, never by any means sloppy. I also use rolled oats, feeding them dry. At the age of two weeks or thereabouts I introduce cracked corn, coarse, as we get it at feed stores. Shake it in a sieve until all powdered portion is out, then throw larger pieces into the grass and allow the little fellows to search for it. Owing to high price of rolled oats I discontinue its use at this age. About ten per cent. of all food after this is meat, nearly always cooked, sometimes cut into suitable size pieces, sometimes adhering to the bone, but whichever way it is fed, the mad scramble of the youngsters shows how they enjoy it. At this age wheat cracked or cut into quarters is a most excel-lent food. Fresh bones crushed or smashed with wheat cracked or cut into quarters is a most excel-lent food. Fresh bones crushed or smashed with an old are or hammer are also much relished. At about a month old whole grain is given—wheat, barley and oats. I scatter it well in the scrub, grass and weeds; now withdraw all baked food except as a change of diet. Up till this time all chicks are treated alike, but now the developing combs and tails indicate the seres. The cockerels are placed in comfortable quarters, and fed chiefly upon corn meal, barley, boiled potatoes and meat, not, however, neglecting some green feed. I feed all they will eat up clean at least four times a day, and hurry to market. The pullets are given free range, housed in boxes scattered here and there. Their food in the morning consists of a mash made of cracked corn and bran, equal parts by measure. At noon whole grain scattered around, and also meat or bone scraps. At night, if they appear hungry, a further supply of grain is given, but usually they are filled up, happy, contented, and tired. No hard and fast rule is possible as to quantity of feed to be allowed; so that they are filled up at night, which can readily be seen by appearance of their crops, I am satisfied every-thing is as it should be. Being at liberty, they get their own green food. The well-known weed, shepherd's-purse, is acceptable. to all kinds of fowl. Now, in closing, let me advise all to take every possible care of pullets. The numbers fowl. Now, in closing, let me advise all to take every possible care of pullets. The numbers hatched are this season, I am convinced, much fewer than usual, and of those hatched, owing to the rainy spell, a large percentage have died. Allow plenty of clean water, sharp grit, and, above all, keep a sharp lookout for lice. W. Red River Valley.

APIARY.

A Skillful Beekeeper's System Reviewed.

Beekeeping, as an industry, or even as an adjunct to farming or other occupation, is not as general in a country so favorable to it as ours as its advantages would seem to warrant. True, it is an occupation for persons of leisure, but on a farm where the family comprises several members, a few colonies would be found to give very little trouble, and furnish an article of food which would be not only a relish but a healthful daily adjunct of diet. Going farther, we may state from experience that after the habits of the bees are commenced to be understood, and therefore the methods of manipulating them mastered, they become a source of real interest and pleasure, and if gone into on an extended and thorough scale, a means of consider-able revenue. If one has the qualifications of being cautious, observing, and prompt, beekeeping can be engaged in without fear of failure, and to persons who swell up and become seriously affected persons who swell up and become seriously anected with the stings, it may be some comfort to know that after a few stings the system becomes inoc-ulated against the effects of the poison, when a prod from an angry bee becomes of little more ac-count than a mosquito bite. count than a mosquito bite. The management of an apiary is not a difficult matter, and needs very little outlay to commence with. One handy with tools can make the hives and nearly all their attachments. True, no matter how full instructions are received, or how many bee books are read, many points will have to be picked up by experience and observation, so that picked up by experience and observation, so that to succeed in getting the most from the colonies, observation, perception and invention play an im-portant part. These and many other necessary qualifications have assisted the very successful apiarist and proprietor of "Evergreen Farm" and bee yard, Mr. S. T. Pettit, of Elgin County, who now, at the end of twenty-five years of studious experience, is looked upon by the more advanced beekeepers of Canada and the United States as one of the first authorities on aniculture. On July of the first authorities on apiculture. On July 20th we spent most of the day with Mr. Pettit, who, with his son, was busy taking off the last of this season's extracting. This will be finished in a few days, when the fine harvest of fat comb sections will be removed. Brochematic and one sections

THE FARMER'S ADVOCATE.

E FARMER'S ADVOCA
Those that have come out from winter quarters. This year swarming has been under the average, and, as a result, Mr. Pettit has only about one-third of his hives supplied with comb-section supers. The spring is usually commenced with 75 to 80 colonies, which come out in vigorous condition from the cellar. The hives used are of Mr. Pettit's own invention, having brood frames 9 inches deep and 14 inches long, and extracting combs 14 inches deep, and of the same length as the brood frames. The hives are built to hold 12 frames. When the brood is spread in the brood-chamber by placing they are confined to the brood-chamber until maple blossom commences. Shallow supers are then put on, and the brood is spread in the brood-chamber by placing for them the outside frames, which contain more or less honey. This is uncapped, so that the bees can readily remove it to the super, leaving room for the queen to lay in the brood ware. When clover homey flow of frames is only safe when the bees are sufficiently numerous and strong to keep the outside spread by the shallow supers first put on, but when the strength of the colonies and copiousness of honey-flow will warrant it, three supers, or 108 sections, are put on show become filled or nearly so. At the time of our visit nearly half of the comb-honey-producing store become filled or nearly so. At the time of our visit nearly half of the comb-honey-producing colonies had three supers, which in most cases constained about 14 ounces of beautiful, well-capped is nearly nearly nearly so. At the time of our visit nearly half of the comb-honey-producing colonies had three supers, which in most cases constained about 14 ounces of beautiful, well-capped is nearly particely. honey per section.

EXTRACTING HONEY.

honey per section. EXTRACTING HONEY. Mr. Petiti has his own method of taking off extracting honey. As soon as the frames become filled the first time in the season, the six fullest frames are selected out of each hive, and the re-maining six are shoved to one side, and empty frames placed in the empty half of the super. The date and side removed are written on the back of the hive, and as soon as full and capped the other side is extracted. By this means the bees are not delayed for a moment and the work of extracting is facilitated. This is the means adopted till the last extraction (which was in operation at the time of our visit), when all the combs are exchanged for empties. It is remarkable the amount of honey these bees are made to produce, viz : from 150 to 160 pounds per colony of extracted honey. Mr. Petiti has an ingenious and simple method of re-moving the full combs. When it is desired to re-move six frames, as is the custom early in the sea-son, the hive cloth is stripped off just the width of the six frames, a few puffs of smoke sends the bees. As the full combs are litted out they are each given a shake before the hive and then stood up at the back of the hive till the cover is put on and they are ready to be taken to the extracting room. The few remaining bees, which by this time feel lost and lonesome, are swept off with a feather, and all is over in very little more than a minute, with no commotion, no stinging, and no chance for robbing. The extracting is done by a large ex-tractor which handles four frames at once. The empty frames last put on continue to re-recive a little honey throughout the remainder of

The empty frames last put on continue to re-ceive a little honey throughout the remainder of the season till brood-rearing has ceased, about the middle of September, when the supers are all re-middle of september, when the supers are all remiddle of September, when the supers are all re-moved. This is done throughout the whole yard as nearly as possible at the same time. Each super is left uncovered and placed on the ground a few feet in front of the hive from which it was taken, and which is now covered with cloth cushion and hive cover. This sets the entire working popula-tion in active service carrying the honey into the brood chambers for winter stores. True, a big commotion is set up, but practically each swarm is attending to its own case, and no evil results from robbing or any other cause. About the end of September the hives are exam-ined to see what stores are needed, and feeding is proceeded with as it is deemed necessary. The food given consists of four-fifths granulated sugar and one-fifth honey. It is calculated to al-low each colony 30 pounds of stores for the winter months. months.

tage afforded by the wide and deep entrance is the ventilation and comfort afforded the bees, espe-cially in hot weather. Undue swarming is thus prevented. The extracting-honey hives are venti-lated at the top at back, but no top ventilation is given the comb-honey hives, except for a few days after a new swarm is hived, when it is necessary to afford them comfort in order to commence them working at an early date. This is usually perma-nently closed up on a cool evening when all have settled down. Another practice with a newly-bived swarm is

nently closed up on a cool evening when all have settled down. Another practice with a newly-hived swarm is to substitute two frames on either side of the brood-chamber for dummies, so as to contract the brood-chamber and get the bees working in the sections above. Late in the season six dummies, or three on either side, are inserted, but it requires the judg-ment of an experienced bee-master to manipulate these nice points. *Regarding the capture of sucarms*, Mr. Pettit always keeps his queens clipped, so that they are not able to take flight with the swarm, but commonly fall on the ground in front of the hive. She is picked up and placed in a cage which is placed in the entrance of a new hive, which takes the place of the old one, which is moved about two feet back and left there about six days. As soon as the issuing swarm find their queen is not with them, they return to the old stand, but new hive, find their queen, and at once proceed to occupy the hive. Some of these ingenious methods may be used in general practice, but not a few of the most valued of them originated with Mr. Pet-tit, who delights in giving to the beekeeping world the benefits of his experience and invention.

SHOWS AND SHOWING.

Exhibitions for 18	8.
Trans-Mississippi, Omaha	June 1 to Nov. 1.
stanstead, Kook Island, Que	Aug. 22 to 27.
Foronto Industrial	ug. 29 to Sept. 3.
Ohio, Columbus A	ng. 29 to Sept. 2.
Bedford, Ont.	Sept. 5 to 10.
Minnesota, Hamine	Sept. 5 to 10.
Metcalfe	Sept. 6 and 7.
Metcalle. Morrisburg London Western	Sept. 8 to 17.
Quebec	Sept. 12 to 21.
Prescott, Vankleek Hill	Sept. 18 to 15.
Richmond	INTERPORT OF THE CARACTER CONTRACTOR
Bowmanville. Ottawa Central.	
Brantford	Sept. 17 to 22.
Brantford. Wisconsin, Milwaukee. Napanee. Northern, Collingwood	Sept. 19 to 23.
Napanee.	Sept. 20 to 28.
Peningular, Chatham	Sept. 20 to 22.
Northern, Collingwood Peninsular, Chatham Presoott, Prescott	Sept. 20 to 22.
St. Thomas	Sent 21
Lanark, South Perth	Sept 21 to 28.
Lanark, South Perth Stratford Lindsay	
Lindsay	
Halifax. West Williams and Parkhill, Parkhill.	Sep t. 26 and 27.
Shedden	Sept. 27 and 28.
Northwestern, Goderich.	
Oxford. Kempville.	Sept 29 and 80.
Oxford. Kempville. Elgin West. Wallacetown Ontario and Durham, Whitby	Sept 29 to Oct. 1.
St. Louis, St. Louis, Motter	Oct. 3 to 5.
Markham P. C	
Woodbridge	
Ontario Fat Stock Snow, Diantiona.	
INOTE If Secretaries of Fair Bon	

lerived imited nickens er and yet we ention, ised. YRA,

ks pre-

nd out

e cock-

g pens. lis year d con-ok out

direct ler that

heads y found

e lively be too ce that a dollar -a wellfriend y show-derable ause of young. thirty e bread I someainable, d make nade at quired. hat it is

SOME NICE POINTS IN MR. PETTIT'S SYSTEM.

Beekeepers know generally how difficult it is to have the outside, either comb or extracting, frames have the outside, either comb or extracting, frames as well filled as those in the center of the super. Mr. Pettit has quite overcome this difficulty by allowing the entrance to extend clear across the hive, and by raising the front an inch and a quarter 20th we spent most of the day with Mr. Pettit, who, with his son, was busy taking off the last of this season's extracting. This will be finished in a few days, when the fine harvest of fat comb sections will be removed. By observation and conversation we gathered many important features of Mr. Pettit's system, which we will endeavor to give to our readers. Mr. Pettit, like most advanced beekeepers, makes a specialty of comb-honey production. The proportion taken is largely governed by the extent of the swarming, as new swarms are better suited to comb-honey production than

[Norn.-If Secretaries of Fair Boards will send us de of their shows we will include them in the lists of succes ing issues of the FARMER'S ADVOCATE.-EDITOR.]

The Terento Exhibition.

360

AT off Au istino: arporters of both From the safe the service was received from the safe the Paris asking for particulars of the opure, were promptly cont. This for Canada's great fair. Excursion as for Canada's great fair. Excursion as the safe of the safe of the safe of the form of the safe of the safe of the transform many points never touched transform many points never touched to from August 29th to September 10th from August 29th to September 10th from August 29th to September 10th greatfrying feature is the warranted at gratifying feature is the warranted of the indications favor s larger hat it is the ad this year exoundions touched before. It is a million will flock to a million will flock to ations favor a larger indiv os, catilo, pige sheep, and p nts will also be more gener i exhibit of bees and their Agriculture i ad pour Dairy products while a special II also be more generally rep bit of bees and their honey is cultural College, and Mr. R. F institution, is to deliver deliv Alterether 1898 promises to altere arbibition, entrice for give illustrations ar for Toronto's famous exhibits departments, as per prise list, o departments, for perise list, or the King Street Basi, Toront e with M

QUESTIONS AND ANSWERS

will be published in north is attach their name and addr arily for publication.]

Veterinary.

Sand rant

ALC: KIS Y

Fits Due to Constipation.

WILLIAM SHEA, Muskoka, Ont.:--"I have a valuable hound which has taken four fits at inter-vals of three weeks. When he goes into a fit he stiffens up for awhile, then kicks for awhile, froths at the mouth, and lasts about five minutes. Oan you tell me what is the cause and if it can be cured ?"

Can you tell me what is the cause and if it can be cured ?" [Among all carnivors there is an infrequency of the action of the bowels, and the fæcces as passed and contain a large quantity of borics, costiveness will creatly. This must be dealt with by a careful regulation of the diet ; some such laxative element as cabbage, boiled liver and plenty of fat, with regular feeding, must be enforced. Symptoms are very well described, but do not cover all cases. The fits most frequently come on when the animal has been exerting itself. Its pace becomes slow and face looks distressed, although it apparently was in perfect health at starting. It falls to the ground, the limbs become rigid and quivering or violently convulsed, it foams at the mouth from champing the jaws, and very often bites the tongue severely. The eyes protrude, the cyeballe rolling, the life opening and closing spasmodically ; urine and face so does of aperient means dased and very weak and anxious to sleep. Treatment : The animal when selsed with a fit should be secured by collar and chain and cold water sponged on the head and face, not doused with it, as is the usual custom. Give a dose of aperient medicine every week, and careful attention to feeding will certainly provent them. Aperient for dose : Aloes, 5 grains ; it pot. 10 grains ; piper nigra, 2 grains ; gentian, 10 grains. Mix and divide into six pills, one every tay. Dr. W.K. Moter, Toronto.]

Ophthalmia Prevalent in South-western

THE FARMER'S ADVOCATE.

every summer, when it turns in different direc-tions about the size of one's hand, making hum look spotted. He is in good health apparently. Could you give me a reason and is there any cure?" The external covering or skin of the horse is generally smooth and thick and much more dense in the back, flanks and exposed portions of the limbs, and thinner on the under and more protect-ed parts. Over a greater portion it forms an exceedingly thin layer, but in certain breeds, more especially those of a mixed character, say a Olydes-dale or a pure-bred, it accumulates in solid masses of various forms. Under ordinary conditions the surface, flaking or peeling off in minute fragments. When they persist, as in this case, they give a rag-ged, uneven appearance. The amount and coarse-ness of this growth of hair varies much with the explanation, but the interesting part of this case is what part heredity plays in causing the modifi-cation, and details as to age, color, size, date and season of birth of sire and dam. In fact, observa-tion only could in any way determine the pecul-iarity with these particulars.]

Miscellaneous.

Sows Aborting.

Sows Aborting. SUBSCRIBER, Compton Co., Que.:—"Will you please inform me what is the cause of sows losing their pigs before their time of farrowing, say from eight weeks to three months from date of service? Is there any disease in hogs to cause such to happen? Pigs seemed perfect, half-grown in some cases, and in others not larger than walnuts. Is it any weakness of boar? This boar is healthy, only he occasionally grates his teeth. Can a disease be carried from one sow to another? These are valu-able brood sows. If there is a disease, is there any cure?"

Cure ?" [Abortion in the case of sows is not a very com-mon complaint, but occasionally a case occurs. We have not known it to become epidemic or con-tagious as it does in cows, though it may possibly assume that form. If there have been several cases in one herd, it will be wise to isolate those which have aborted ; indeed, if there is only one, it is well to do so. It is possible it may arise from some weakness or defect in the sire, or from his having been allowed to serve aborting sows, thus carrying the infection to others. This is a likely cause, in which case it would be well to change the boar. Sows which have aborted should not be served again for two or three months after aborting, or till they get into a healthy condition again, and to this end they should be allowed the run of the fields for exercise, and, if necessary, to keep up their strength, a little good feed should be given them in addition to what they find for themselves.] Clever, Ashes, and Round Silo.

Clover, Ashes, and Round Silo.

Clover, Ashes, and Round Sile. ARCH. MANSON, Lanark Co., Ont.:—"(1) I send you two plants of the clover species which I would like to find the names of. No. 1 seems to grow naturally, and I find it in patches around the fields. No. 2 I find in a field of clover. No doubt the seed has come in the clover; it seems to be troublesome and not to be desired on the farm. (2) What quantity of wood ashes per acre would you recom-mend for hay crops; how scattered; and what time of the year to apply? (3) There is one matter in connection with the construction of a stave silo which I would like some hints on. If a stave silo were constructed of dry planks, when it was filled were constructed of dry planks, when it was filled would the moisture from the ensilage not cause the

inclined to draw out of true, bending the rods if they become too tight. If scantlings form the stays, the wathers drawing into the wood indicate a need of lossning the nuts. It is found necessary to tighten up the bands in the spring after the silo has been emptied a few weeks. This is easily done and prevents them or the planks from getting out of place.]

Bulldog Wanted - Bats in Summer Cottage.

O. M. F. Parry Sound, Ont.:-"1. Could you or any of your many readers tell me where I could procure a pure or half bred buildog, and what would be the price of a, say month old, pup of the same? 2. What could I get to prevent bats from lodging in a summer cottage? Have been a great trouble in the attic of same cottage. Please advise and oblice " and oblige.

[1. A breeder of bulldogs has a customer waiting [1. A breeder of buildogs has a customer waiting to buy a pup just as soon as he offers him in our advertising columns. 2. It should not be a difficult matter to render a cottage bat-proof by using screen doors and windows, and covering all places of entrance with wire screen. Will some reader having experience along this line please reply to this question.]

Lumpy Jaw.

"INEXPERIENCED," P. E. Island, asks if the prescription given for cure of lumpy jaw, in FARM-ER'S ADVOCATE, February 15th, 1897, is the one now advised, or is an outward application pre-ferred? The case is a useful seven-year-old grade cow, in calf, which six weeks ago developed that trouble.

[Veterinarians generally, we believe, have more faith in the efficacy of the iodide of potassium treatment referred to than to any outward appli-cation, but some very satisfactory cures have been reported to us from the application of the specific advertised in the FARMER'S ADVOCATE, especially when used in the early stages of the disease.]

Sheep Hurdles.

R. MACONACHIE, Victoria Co., Ont :- " Could you will cedar do for the purpose?

[See FARMER'S ADVOCATE, March 15th, 1896, issue, page 132. 1. Twelve feet long and three feet two inches high answers for sheep. 2. Four bars, four to seven inches apart. 3. Oross stakes driven in the ground may be used instead of the end piece there in Fig. 1 on page afford to 4. Pine on shown in Fig. 1 on page referred to. 4. Pine or cedar are light and durable and answer best. Birch or ash should last fairly well, if piled up and or sen should last fairly well, if piled up and covered waterproof during season not in use. Five-eighths to three quarters of an inch would answer. 5. End posts are not necessary; cedar stakes two by three inches should answer. Board hurdles have been discarded at the Guelph Experi-mental Farm, and wire ones like Fig. 2, page 132, Vol. 33, FARMER'S ADVOCATE, are being used in their stead. their stead.]

Incomplete Creamery Statement.

PATRON, Middlesex Co., Ont.:-"The following table is a copy of a monthly statement received from creamery. Would you kindly criticise it, and tell what information it lacks."

A number of letters have been received from Western Ontario readers giving symptoms of sore eyes in their cattle, practically the same as the case mentioned on page 336, July 15th issue. One letter asks if the disease will affect the meat of animals killed for beef, and another whether or not the milk will be injured.

In reply we refer to last issue of the FARMER'S ADVOCATE on the page mentioned above. With regard to the systemic effect upon the animals, it may be stated that neither the meat nor the milk will be influenced to any appreciable extent.

Ophthalmia - Ear Tags.

L. C. McC., Elgin Co.: — "(1) We have a disease here that affects cattle in the eyes. The first symptom is that the eyes begin to run water, then in a few days a film comes on and renders them totally blind. It seems to be contagious; at least, it goes through the whole herd when it once gets started. It has been doctored in different ways. Some put in burnt alum; some use dry salt; others a decoction of white vitriol. None of them seem to have a very decided effect. What is it and what it the remedy; also, does it affect the it and what it the remedy; also, does it affect the milk so that it would not be fit to use? Where in Canada can I get ear tags for sheep ?"

[(1) The eye is too delicate an organ to doctor with uncertain applications. A qualified veterinarian should be consulted in such cases as above. See July 15th issue, page 336. (2) We have fre-quently been asked for the address of sheep ear-tag manufacturers. Will some manufacturer make his business known through our advertising columns.

Peculiarity of Horse's Coat.

MR. GEO. DUNNING, Prescott Co., Ont .: - "] have a horse seven years old that changes his coat prevent this. If iron blocks are used they are

or more of the planks inward? Again, when the silo is empty would the staves not shrink and become loose?"

[(1) No. 1 is Trifolium agrarium. It somewhat resembles Alsike (Trifolium hybridium), but grows to less size and has a silkier, more delicate, bloom. It grows from 10 to 20 inches high and flowers in July and August. It is not objectionable in hay or pasture, and should not be difficult to kill in a cultivated field. No. 2 is Medicago Lupulina, common yellow clover or Trefoil. It is sometimes called Black Medick from the black color of the seeds, which grow in clusters and are about the size of red clover seed. It is a fibrous-rooted biennial, flowering from May to August. It is not a bad plant in permanent pastures, but does not grow high enough to afford a crop to mow. It seeds liberally and thereby propagates itself increasingly in grass land. It makes good sheep pasture, as it is relished and is of rich composition. It grows freely on almost any soil, but shows a preference for those containing plenty of lime. (2) From 30 to 40 bushels of unleached ashes sown broadcast per acre is considered a good dressing. During the early spring, while the ground is still frozen after the snow is gone, is a good time to make the appli-cation. They may be scattered from a wagon or stoneboat by means of a shovel if one has not access to a fertilizer sower. (3) The articles on round silos in June 1st, 1898, issue of the FARMER'S ADVOCATE partially answer the questions asked by Mr. Manson on this subject. It is necessary to keep an eye on the bands for a couple of weeks after the silo is filled, and the nuts loosened if necessary. There is little, if any, danger of the planks forcing in, but it has occurred that hoops have been bursted by the extraordinary pressure. A few turns of the nuts is all that is required to

NOT A 48 A 49 ARLEDAY A 9	
Lbs. of Milk Test Lbs. of Fat Price per Lb	3.4%
Total	\$ 17 95
To Drawing To Butter, 15 lbs. at 16 <u>1</u> c	
To Cheque	6 17
	8 17 95

[The above monthly statement is complete, so far as it goes, but it lacks information as to details. Unless the milk were sold outright to the manufacturer furnishing this statement, the patron has a right to know how much butter was made from the milk, and what price this butter sold for, to-gether with other details. It is not the wish of the writer to stir up strife or discontent among patrons of creameries and cheese factories, or cause trouble between patron and manufacturer, but he does think that some manufacturers treat patrons as if they were not worth the trouble of furnishing them information. As we understand the cas except where the milk or cream is sold outright, the milk or cream and its products belong to the patrons and not to the manufacturer. He simply has the raw material committed to his care for a time, and at certain times—monthly is convenient he is expected to render reasonable account of his stewardship in a manner which patrons will easily understand. I cannot do better than refer readers to page 239, FARMER'S ADVOCATE for May 16th, 1898, for a suitable form of monthly statement to be used in creameries. It may be modified to suit special cases or it may be shortened in some particulars. H. H. DEAN,

Dairy Dept., O. A. C., Guelph.]

MARKETS.

FARM GOSSIP.

Maritime Provinces.

Dr. Wm. Saunders, Director of the Experimental Farms has just returned from the Maritime Provinces. He reports has just returned from the mariatile reveales. The reports the crops everywhere as very promising, although somewhat later than in Quebec and Ontario. The hay crop is almost universally heavy, and the cereals and roots are everywhere vigorous and healthy, with a promise of abundant returns. On the Experimental Farm at Nappan, N. S., having

On the Experimental Farm at Nappan, N. S., haying was in progress and the crop was very heavy. Some fine fields from the uplands were already cut and the hay safely housed in the barn. Oats, barley and spring wheat were just heading and all looked very healthy, with an excellent color. Potatoes and corn were somewhat backward, although growing rapidly. Field roots promise remarkably well. The outlook for a good crop is promising in every direction. The apple crop in Nova Scotia promises to be a much lighter one than was expected. Although the trees blos-somed freely, the fruit has not set well. Some varieties, however, are yielding very fairly. Small fruits are pro-

however, are yield ng very fairly. Small fruits are producing well.

ducing well. In the eastern townships of Quebec having was well advanced, and the crop being rapidly saved: The weather was excellent and the yield abundant. The crops of grain throughout this section also looked remarkably healthy and were just hea ling. Ottawa, July 16th, 1898.

AUGUST 1, 1898

ds if the licate

e silo done

g out

age.

ou or could

what f the

from great dvise

iting

our ficult using laces

ader

ly to

the ARM-

one pre-rade that

more sium

ppli-been cific ially

you is to

llow-what what onal the

ed-

be;

1898, feet bars, iven biece e or lirch

and

use. ould edar oard peri-132,

ving

it.

80

ils.

ac-......

om

to-the ng

he DNS ing

se, ht,

the

ply

r a

his

ily ers

th. to ait

Crops in the Northwest and British Columbia,

Favorable accounts continue to be received as to the crop prospects in Western Canada. Recent reports received by the Director of the Experimental Farms from the

by the Director of the Experimental Farms from the superintendents of the branch farms are most encouraging. In Manitoba in the early part of the season the growth was retarded for want of moisture; but copious and timely showers since have brought on a rapid growth. During the past fortnight grain has made great progress. The weather has been warm and seasonable, and the soil in a favorable condition of moisture. Wheat, oats and barley are all well headed. In some districts in the north-west and earth weat parts of Manitoba the general condition of the south west parts of Manitoba the general condition of the grain is soarcely up to the average, but in many other sections, especially in the large wheat-growing districts east of Brandon, including the plains about Carberry and Portage la Prairie, grain looks remarkably well and promises heavy returns.

The dry weather in the early part of the season has resulted in a light crop of hay. Roots and fodder corn are now growing very fast. In the district about Indian Head, in Eastern Assini-

In the district about Indian Head, in Eastern Assini-boia, grain is growing very rapidly. The early part of the season was dry, but timely and abundant rains have given favorable conditions of moisture, and crops of all sorts are now making a healthy and vigorous growth. The grain crops have been very good throughout this section of the country for the past two years, and with another good crop and reasonably good prices the outlook for agr culture in this part of the Dominion is most promising. In British Columbia the hay crop is reported as very good in all parts of the Province. Clover especially has given a heavy yield. The grain crops in most districts are healthy and vigorous and give promise of satisfactory

given a heavy yield. The grain crops in most districts are healthy and vigorous and give promise of satisfactory returns. Roots and fodder crops are also growing well. In the coast climate, where large quantities of fruit are now produced, the crop of plums is very heavy. The season has been generally favorable. The apple and pear trees blossomed very freely, but the fruit has not set very well, and the crops of these fruits will probably he below the and the crops of these fraits will probably be below the average. Small fruits are producing abundantly. Ottawa, July 21st, 1898.

Oxford County, Ont.

on view, labelled as such, cheek by jowl with similar "Amerion view, labelled as such, check by jowl with similar "Ameri-can" produce, and commanding prices one penny per pound higher than the latter. What better object lesson could be devised? Similarly significant testimony is, however, to be f. und in the leading trade journals. One large firm, of ad-mitted position, advertising in the *Grocer*, refers to the great hold which Canadian bacon now has with the trade throughout the country, and predicts that the day is not far distant when the Dominion " will enable us to entirely ignore the foreigner." ignore the foreigner.'

Refrigerator Car Service for Butter and Cheese.

To the Editor FARMER'S ADVOCATE. SIR.—The hot weather which at present prevails puts the refrigerator car service to a severe test and makes it imperative that the shippers as well as the transportation companies should take extra precautions to ensure against any possibility of the butter becoming heated at the creamery, on the way to the station, or at the station before it is loaded into the car. Information which comes to hind most to show that some of the creamery men are creamery, on the way to the station, or at the station before it is loaded into the car. Information which comes to hand goes to show that some of the creamery men are not as careful as they ought to be in handling the butter from their own refrigerators to the cars. Cars have arrived in Montreal lately with the butter from some creameries in good conditions, while that from others was very soft, indicating clearly that the butter must have been put into the car in that condition. If the butter is allowed to get warm and soft on the way to the station, or at the station, no refrigerator car is cold enough to harden it much, if at all, before it reaches Montreal. If the car keeps the butter in good condition after receiving it in good condition it serves its purpose admirably. Those who have to deal with the matter should see to it that the butter is achous direct from the creamery cold storage to the car as it is possible to arrange, for every hour that the butter is exposed to the heat means so much deterioration which can never be corrected. It might be well to point out in this connection that if butter is once allowed to become soft through heat it will take a much lower temperature to harden it again than that at which it was formerly held. To illustrate: The average melting point of butter is about 91 to 92 degrees Fahrenheit, but once it is melted the temperature must be reduced to about 74 degrees to solidify it again. JAS. W. ROMERTSON, Ottawa, July 26th. Comm'r of Agr. and Dairying. EDITOBIAL NOTE.—To some extent we believe the above

EDITORIAL NOTE.—To some extent we believe the above remarks will apply to cheese, which is generally drawn from the factories to point of shipment unprotected either from storm or sun, though in some cases coarse olloloth or can-vas has been used. What have our dairymen found useful for this purpose ? An exporter complained to us last week that when he looked into the car where his cheese had been placed the oil was running in streams from the boxes as a result of heat coming to the station. Curing-room ventila-tion and temperature in summer is another subject needing more attention than it has yet received.

Harvesting at the Ottawa Experimental Farm.

At the Central Experimental Farm the hay has all been saved well; 688 acres have given 1284 tons, an average of nearly two tons per acre. The heaviest yield was obtained from a field of 17 acres of first crop, which gave 53 tons, being an average of more than 3 tons per acre.

Kent County, Ont.

Kent County, Ont. We had ideal haying weather, and now wheat is nearly harvested, with very little rain. Threahing has commenced and the yield is from 25 to 35 bushe's per sore. The eample is splendid, some of it testing as high as 64 pounds per bushel. Highest price paid so far is 72 cents, but the pres-ent price is 70 cents. The general opinion is that the price will slump, consequently nearly everyone is selling as fast as it can be threshed. Oats are turning, and, although a very heavy crop, are standing up well. Corn looks ap en-did, but unless rain comes soon beans will be very light. Pastures are simply drying up, and this, in addition to the did, but unless rain comes soon beans will be very light. Pastures are simply drying up, and this, in addition to the abominable horn fly, is almost driving the milch cow out of business. It is only with the aid of supplementary foods that she can be kept milking at all. Prices for cows are simply "out of sight," \$35 seems the rock-bottom figure for any kind of a scrub. Prices are higher here than on Toronto market. There is a spec, in it for someone who will ahip in a carload of good milkers. Beef seems scarce, and good prices are realized for butcher stuff. Early potatoes ald for \$1 per bushel for some time, but now retail at 90 cents per bag. Small fruits are abundant and prices low. Butter and eggs are both advancing in price. Since last writing a gentleman, experienced in dairy matters, has taken the creamery problem in hand, and has already procured 325 of the 500 cows required to start, and if nothing happens it will be running by September. U.A. McG. will be running by September. July 21, 1898.

beavy

861

Calves sold at \$3 to \$6 per head; a few choice eight veals at \$7 to \$9 each. Skeep were more plentiful, in fact exceeded the d any remaining unsold at the close of the market quently prices lower, \$1.50 to \$2.75 per owt.

Lambs.-Spring lambs at \$3 to \$3.80 Mr. Wm. Levack bought 120 spring lamb yearlings at \$3 25. Milk Cous.-About 20 milk cows on quality, selling at from \$20 to \$44 each; so the general demand.

the general demand. Hogs. — Hog deliveries are light; prices continues of sing unfed or watered; these must not exceed 150 Light fat \$6.25 to \$6.75; heavy fats \$4.00 to \$6. Kent corn-fed hogs are culled at \$5 to \$6.25 per prospects are good for a further rise. Choice most was k

prospects are good unchanged and steady, selling at \$2.70 Dressed Hops.-- Uunchanged and steady, selling at \$2.70

Dressed Hogs.--Uunchanged and steady, selling at sale to \$7 per owi. Hog.-Twenty-five loads of new hay caused the market to slump down to \$5 per ton. Straw scarce and selling at \$6 per ton. Butter.--Market inclined to be easy; supply liberal. Dairy tube at 10c. to 114c. per 1b.; choice dairy pound prints at 13c.; creamery pounds 17c. to 18c. Ohcese.--Very quiet in Toronto. Dealers quote new stool scarce at shout 74c. to 3c. per 1b., and old choice at Sc. to 10c. mer lb.

per lb. Hides.-Prices very steady. No. 1 steers 91c., green. No. 2 green at 91.0 per lb. Hides. oured. 91c. per lb. No. 1 arcon at 91.10 to 81.25 each. Calf akins at 10c. per lb. Wasst.-New Ontario wheat is held at 70c. per bushel. No. 1 hard Manifola 95c. per bushel. Oats are quoted at 20c. per bushel; 300 bushels sold on Saturday at 30c. Bran cells at 90 and shorts at \$14 per ton. Toronto, July 26th, 1898.

Chatty Stock Letter from Chicage

arious grades of live sbook :	THE ST			Sec. 1
	Two			
CATTLE Extreme Prior 500 100. 60 100 500 0 1000 60 100 500 0 1000 60 100 500 0 1000 60 100 500 0 1000 60 100 500 0 1000 60 100 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 1000 6 10 10 500 0 100 70 10 500 0 10 70 10 500 0 10 70 10 500 10 70 10 500 10 70 10		50. 35 9	1807.	
00 lbs. up	ST.			
	5 50 6	42,510,520	8 18 5 00 4 00 4 00	2 88
050 @ 1900 4 25 to 4	5 40 5	50	40	1-1-1
0 0 1050		25	1-31	
mile	1 35	20		4 50 8 50 8 50
alves	00	50	4 50 5 50 5 50 5 50 5 50	
OTD-IEd Texas 1 35 CO				
		05	8 80	8.85
1 x 0 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1	4 16	51585	3 80 3 11 3 85 3 85	3410
Aght \$ 70 to		1-82		
				(and the set
Satives	5 10	5 25 4 75	4 25	8.00
Western 4 00 to	4 50	4 75	4 25	3 88
Toxas \$ 60 to		1000000		5-6-6

The live

a of th

investige catt hand 'n fly i n fly the good out Leving any good out Leving the Kollet, Mount Leving, of Mi

of 14 1292

wants to o The 10 against 2 d here last week sveraged is week, 223 lbs. a month ibe. a year ago and There is consid

We were favored with most delightful having weather and we got the crop saved in rea ly first-class condition. I never saw better; 41 loads from less than 12 acres. We trust that some of the dealers and exporters will look out trust that some of the dealers and exporters will look out for a foreign market for our surplus hay, for in our neighbor-hood it is of gilt-edge quality and would do us credit any, where. Fall wheat and barley are now in barns and stacks, and the threshing machines are commencing their work at \$10 a day. Wheat and barley are both generally good. Some expect their fall wheat to yield 30 bushels to the acre. We had two or three local showers which helped the roots and pasture very much. Roots are generally doing well; heard of one farmer who had mangolds four inches in diameter at the middle of the present month. Corn In diameter at the middle of the present month. Corn generally is good, but is tasselling out earlier than usual. Potatoes have a splendid appearance, and we have been using the new crop for ten days and they are fine in quality. Cows are milking faily well, but cheese does not rise as we were expecting, 7% c. to 7% being the price. Lambs have been doing well and are selling at 4c. I saw a Shropshire cross-bred lamb that weighed 36 lbs., that was dropped about the first of May. Some of the grass-fed steers are cross-bred lamb that weighed 86 lbs., that was dropped about the first of May. Some of the grass-fed steers are going off at from 4c. to 44c., but the dealers here generally like to buy by the lump. Farmers are commencing to plow sod for fall wheat when they have a spare day with the team. The farmers are very busy and day-wage men are trying to get from \$1.25 to \$1.50, which is higher than has been paid for some years. Berries have been very plentiful and are cheap, selling at 4c. to 5c. per lb. Live hogs are bringing 5c. per lb., but there will not be many ready until after the 5c. per lb., but there will not be many ready until after the stubble fields are cleaned up. D. L.

July 22, 1898.

Canadian Products in Britain.

The London Canadian Gazette says: Canadian food products are being brought more and more conspicuously to the notice of the English consumer, in essentially the right way, i. e., as Canadian produce, which by virtue of its excellence is entitled to top price in the market. Thus at the Army and Navy stores Canadian bacon, cheese and ham are

Loronto Markets. A better enquiry for export cattle, but the fat oattle were not of as good quality as those of last week. Prices were a shade easier. Good export cattle sold from \$4 50 to \$4.75 per owt. The bulk of the shippers sold at \$4.40 to \$4 50 per owt. W. H. Dean bought five carloads of exporters at \$4.55 Mr. H. Gould bought four carloads, average 1,280 lbs. each, at \$4.00 per owt. Meesrs. Duan Bros. bought six carloads, 1,270 lbs. average, at \$4.30 per owt.; two carloads, 1,330 lbs. average, at \$4.95 per owt. Butchers' Cattle _Supplier of the state of

Stringe, at \$3.50 per GWL; two Carloads, 1,550 lbs. average, at Butchers' Cattle.—Supplies of butchers' cattle have been rather easy for two weeks past, choice ploked lots selling at \$4.20 to \$4.45 per cwt. Loads of goed cattle sold at \$4.20. Very inferior rough cows and bulls sold down to \$2.75 per cwt. Mr. Wm. Levack bought 150 cattle, mixed butchers' and export-ers', at from \$3.85 to \$4.50 per cwt. Mr. Alex. Levack bought 30 butchers' cattle, 1,080 lbs. average, at \$4 per cwt. Bulls.—The export trade in bulls sold at \$5 to \$3.60, and heavy at \$3 80 to \$4.12 per cwt. Stockers.—The demand from Buffalo slack, prices low, selling at \$3 to \$3.70 per swt., the bulk selling at \$3.25 to \$3.50 per cwt.; some ploked lots fetched \$3.65 per cwt. Two car-loads sent forward. Feeders.—Heavy feeders were not in demand. The prices quoted were \$3.75 to \$3.90 per cwt.

try

Live Stock Exports.

The live a lay, July 20th a prepared by R. Bickerdi ed to Lon

The practical sheepman who gives proper care and attention to the details of the business will find as much money in sheep as in any other live stock, and that with the expenditure of less labor and capital than is required in any other line,

362

THE RED-HEADED LEAGUE.

Startling Detective Story with Thrilling Incidents. BY A. CONAN DOYLE.

Startling Detective Story with Thrilling Incidents. BY A. CONAN DOYLE. I had called upon my friend Mr. Sherlock Holmes one day in antumn of last year, and found him deep in conversation with a very stout, florid-faced, elderly gentleman, with flery yed hair. With an apology for my intrusion, I was about to withdraw, when Holmes pulled me abruptly into the room and closed the door bohind me. "You could not possibly have come at a better time, my dear Watson, 'he said, cordially. "This gentleman, Mr. Wilson, has been my partner and helper in many of my most successful cases, and I have no doubt that he will be of the utmost use to me in yours also." The stout gentleman half rose from his chair and gave a bob of greeting, with a quick little questioning glance from his small, fat-sniroled eyes. "Try the case," said Holmes, relapsing into his armchair and putting his finger-tips together as was his custom when in judicial mode. "Throw, my dear Watsion, that you share my how of all that is bisarre and outside the conventions and humdrum routine of everyday life. Now, Mr. Jabes Wilson here has been good enough to call ubon me this morning, and to begin a narrative which promises to be one of the most uso bocause the peculiar nature of the story makes me ann-to be one of the most. I sak you not merely because my friend Dr. Watson has not heard the opening part, but also because the peculiar nature of the story makes me ann-tous to have every possible detail from your lips." The portly client puffed out his chest with an appearance of some little pride, and pulled a dirty and wrinkled news-paper from the inside pocket of his great coal. As he glanced down the advertisement column, with hishead throust forward and the indications which might be presented by his drees or read the indications which might be presented by his drees or make the indications which might be presented by his drees or my friet parties and why more the submert. The porties his which might be presented by his d

to read the indications which might be presented by his dress or appearance. I did not gain very much, however, by my inspection. Our visitor bore every mark of being an average, common-place British trademan-obses, pompous and slow. He wore rather baggy gray shepherd's-plaid trousers; a not over clean black frock-onat, unbuttoned in the front, and a drab waist-coat, with a heavy, brassy Albert chain and a square bit of metal dangling down as an ornament. A frayed top-hat and a faded brown overcoat, with wrinkled velvet collar, lay upon a chair beside him. Altogether, look as I would, there was nothing remarkable about the man, saving his blazing red head and the expression of extreme chagrin and discontent upon his features. "Can you find the advertisement, Mr. Wilson?" asked Holmes.

trastees, with instructions to apply the interest to the pro-viding of easy berths to men whose hair is of that color. From all I hear it is splendid pay and very little to do.' "'But, said I, 'there would be millions of red-headed men who would apply.'

who would apply."
"Not so many as you might think,' he answered. 'You see, it is really confined to Londoners and to grown men. This American had started from London when he was young, and he wanted to do the town a good turn. Then, again, I have heard it is of no use your applying if your hair is light red, or dark red, or anything but real bright, blazing, flery red.'
"Now, it is a fact, gentlemen, as you may see for your-selves, that my hair is of a very full and rich tint; so it seemed to me that if there was to be any competition in the matter I stood as good a chance as any man that I had ever met. Vincent Spaulding seemed to know so much about it that I thought he might prove useful, so I just ordered him to put up the shutters for the day, and to come right away with me. He was very willing to have a holiday, se we shut the business up and started off for the address that was given us in the advertisement. "I never hope to see such a sight as that again, Mr.

me. He was very willing to have a holiday, so we shut the basiness up and started off for the address that was given us in the advertisement.
"I never hope to see such a sight as that again, Mr. Holmes. From north, south east and west, every man who had a shade of red in his hair had tramped into the citly to headed men, and Pope's Court looked like a coster's orange barrow. When I saw how many were waiting I could have given up in despair, but Spaulding would not hear of it. How he did if I could not imagine, but he pushed and pulled and butted until he got me through the crowd, and right up to the steps which lead to the office. There was a double stream you the stair, some going up in hope and some coming back drives up in despair, but Spaulding would not hear of it. How he did if I could not imagine, but he pushed and pulled and butted until he got me through the crowd, and right up to the steps which lead to the office. There was a double stream you the stair, some going up in hope and some coming back drives up in the office. There was a double stream with a steps which lead to the office. There was a double stream with a huge pinch of snut. "Pray continue your were restered." "There was nothing in the office but a couple of worden to each candidate as he came up, and then he always managed to find some fault in them which would disqualify them. Getting a vacancy id not seem such an easy matter after all. However, when our turn came, the little man was more favorable to me than to any of the others, and closed the door as we entered, so that he might have a private word with us. "This is Mr. Jabez Wilson, said my assistant," and he is admirably suited for ward, wrang my hand, and constructed men and so agreed at my hair until I felt quite bashful. Then sudden has demarked my hair until I felt quite bashful. Then sudden he would disqualify them. "How were," I am sure, excuese me for taking an obvious precaminated me warmly on my succes: "I' would be injustice to hesitate," said he. Yor will, have

duties !" ""Well, it is a little awkward, for I have a business al

duties? "Well, it is a little awkward, for I have a business al-ready,'said I. "Oh, never mind about that, Mr. Wilson,' said Vincent Spaulding. 'I shall be able to look after that for you.' "What would be the hours?'I asked. "Ten to two.' "Now, a pawnbroker's business is mostly done of an even-ing, Mr. Holmes, especially Thursday and Friday evenings, which is just before pay day, so it would suit me very well to earn a little in the mornings. Besides, I knew that my assist-ant was a good mau, and that he would see to anything that turned up. "That would suit me very well,' said I. 'And the pay ? "Yeell, you have to be in the office, or at least in the building, the whole time. If you leave you forfeit your posi-tion, forever. The will is very clear upon that point. You don't comply with the conditions if you budge from the effice during that time.' "It's only four hours a day, and I should not think of leaving,' said I. "No excuse will avail,' said Mr. Duncan Ross-' neither sickness nor business, nor anything else. There you must stay or you lose your billet.' "And the work ? "You have the "Encyclongedia Britannica" There

"THE RED-HEADED LEAGUE

IS DISSOLVED Oct. 9, 1890."

AUGUST 1, 1898

Sherlook Holmes and I surveyed this curt announcement and the rueful face behind it, until the comical side of the affair completely overtopped every other consideration that we both burst out into a roar of laughter.

and the result lace beam as, that is the consideration that affair completely overtopped every other consideration that we both burst out into a roar of laughter. "Pray what steps did you take when you found the card upon the door " at last inquired Holmes. "I was staggered. I did not know what to do. Then I called at the offices around, but none of them seemed to know anything about it. Finally I went to the landbord, who is an accountant living on the ground floor, and I asked him if he could tell me what had become of the Red-Headed League. He said that he had never heard of any such body. Then I asked him who Mr. Duncan Ross was. He answered that the name was new to him. "Well,'said I, 'the gentleman at No. 4? "Oh.' said he, 'the red-headed man ! His name was William Morris. He was a solicitor, and was using my room as a temporary convenience until his new offices, No. 17 King Edward St., near St. Pau's. "I started off, Mr. Holmes; but when I got to that ad-dress it was a manufactory of artificial knee-pads, and no one in it had ever heard of either Mr. William Morris or Duncan Ross, so I went home to Sare-Coburg Square to seek the advice of my assistant. He could only say that if I waited I should hear by post. But that was not quite good enough, Mr. Holmes. I did not wish to lose such a place without a struggle, so, as I heard that you were good enough to give advice to poor folk who needed it, I come right away to you. "And you did very wisely," said Holmes. "Your case is an exceedingly remarkable one, and I shall be happy to look into it. From what you have toid me I think it is possible that graver issues hang from it than might at first sight appear." "Grave enough," said Mr. Jabez Wilson. "Why, I have heat for yound a week."

into it. From what you have told me I think it is possible that graver issues hang from it than might at first sight appear."
"Grave enough," said Mr. Jabez Wilson. "Why, I have lost four pound a week."
'As far as you are personally concerned," remarked Holmes, "I do not see that you have any grievance against this extraordinary league. On the contrary, you are, as I understand, richer by some thirty pounds, to say nothing of the minute knowledge which you have gained on the subject which comes under letter A. You have lost nothing by them."
"No, sir. But I want to find out about them, and who they are, and what their object was in playing this prank — if it was a prank—upon me. It was a pretity expensive joke for them, for it cost them two and thirty pounds."
"We will endeavor to clear up these points for you. And first, one or two questions, Mr. Wilson. This assistant of yours who first called your attention to the advertisement—how long had he been with you?"
"About a month then."
"What is he like, this Vincent Spaulding?"
"Bound he's not short of thirty. Has a white splash of acid upon his forehead."
"Hough as much," said he. "Have you ever observed that his ears are pierced for earrings?"
"Yes, sir. He told me that a gipsy had done it for him when he was a lad."

"Hum!" said Holmes, sinking back in deep thought. "That will do, Mr. Wilson. I shall be happy to give you an opinion upon the subject in the course of a day or two. -To-day is Saturday, and I hope that by Monday we may come to

day is Saturday, and I hope that by Monday we may come to a conclusion." "Well, Watson," said Holmes, when our visitor had left us, "what do you make of it all i" "I make nothing of it," I answered frankly. "It is a most mysterious business." "As a rule," said Holmes, "the more bizarre a thing is the less mysterious it proves to be. It is your commonplace, featureless orimes which are really puzzling, just as a commonplace face is the most difficult to identify. But I must be prompt over this matter." "What are you going to do, then i" I asked. "To smoke," he answered. "It is quite a three-pipe problem, and I beg that you won't speak to me for fifty minutes." He curled himself up in his chair, with his thin knees

minutes." He curled himself up in his chair, with his thin knees drawn up to his hawk-like nose, and there he sat with his eyes closed and his black clay pipe thrust out like the bill of some strange bird. I had come to the conclusion that he had dropped asleep, and, indeed. was nodding myself, when he suddenly sprang out of his chair with the gesture of a man who had made up his mind, and put his pipe down upon the mantability.

who had made up has mind, and per manual manual provide the second secon

The set of the expression of extreme chargin and discontent upon his features. "Can you find the advertisement, Mr. Wilson? asked Holms." "Yes, I have got it now," he answered, with his thick, red finger planted hall way down the column. "Here it is. This is what began it all." "Yes, I have got it now," he answered, with his thick, red finger planted hall way down the column. "Here it is. This is what began it all." "Yes, I have got it now," he answered, with his thick, red finger planted hall way down the column. "Here it is. This is what began it all." "Yes, I have got it now," he answered, with his thick, red finger planted hall way down the column. "Here it is. This is most and the paper from him and read as follows: I took the paper from him and read as follows: I took the paper from him and read as follows: I took the paper from him and read as follows: I took the paper from him and read as follows: I took the paper from hom and read as follows: I took the paper from hom and read as follows: Apply in pareon on Monday, at eleven o'clock, to Duncan Roes, at the League. 'Pope' Court, Fleet Street. "What on earth does this mean?" I eleculated after I had twee read over the extraordinary announcement. "Babit when in high spirits." It is a little off the beatentrack, isn't if" said he. "And now, Mr. Wilson, off you go at soratch, and toll sail about yourned!, your household and the offset which this advertisement had upon your fortunes. You will first make a note, doctor, of the paper and cate." "I to the *Monsing Chronicle* of Lapid II, 1890-just two month ago." "Yest first hall the first the sail to foll the beatent rack, isn't if' said he. "And now, Mr. Wilson, off you go at soratch, and tell seal about yourned!, you household and the offset which this advertisement had upon your fortunes. You will first make a note, doctor, of the paper and cate." "I to not a very large affair, and of lap years it has not done in the sail you how that he is willing to oome for half wages, set learn the business." "He fin

"I wish to the Lord, Mr. wilson, that I was a red-headed man." "Why that? I asked. "Why, 'says he, 'here's another vacancy on the League of the Red-Headed Man. It's worth quite a little fortune to any man who gets it. If my hair would only change color, here's a nice little crib all ready for me to step into." "Why, what is that, then' I asked. You see, Mr. Halmes, I am a very stay-at-home man; and as my business comes to me instead of my having to go to it, I was often weeks on end without putting my foot over the door-mat. In that way I didn't know much of what was going on outside, and I was always glad of a bit of news. "Have you ever heard of the League of Red-Headed Men? he asked, with his eyes open. 'Why, I wonder at that, for you are eligible yourself for one of the vacancies.' "And what are they worth? I asked. "Oh, merely a couple of hundred a year; but the work is slight, and it need not interfere very much with one's other occupations.

slight, and it need not interfere very much with one's other occupations. "Well, you can easily think that that made me prick up my ears. 'Tell me all about it?' I said. "Well,'s aid he, showing me the advertisement. 'you can see for yourself that the League has a vacancy, and there is the address where you should apply for particulars. As far as I can make out, the League was founded by an American millionaire, Hezekiah Hopkins, who was very peculiar in his ways. He was himself red-headed, and he had a great sympathy for all red-headed men; so when he died it was found he had left his enormous fortune in the hands of

"No excluse winavan, so anything else. There you must stay or you lose your billet." "And the work ?" "Is to copy out the ." Encyclopædia Britannica." There is the first volume of it in that press. You must find your own ink, pene, and blotting paper, but we provide this table and chair. Will you be ready to-morrow ? "Then good-bye, Mr. Jabez Wilson, and let me congratu-late you once more on the important position you have been fortunate enough to gain.' He bowed me out of the room and I went home with my assistant, hardly knowing what to say or do. I was so pleased at my own fortune. "Well, I thought the matter over all day, and by evening I was in low spirits again, for I had quite persuaded myself that the whole affair must be some great hoax or fraud, though what its object might be I could not imagine. Vincent Spanding did what he could to cheer me up, but by bed-time I had reasoned myself out of the whole thing. However, in the morning I determined to have a look at it anyway; so I bought a penny bottle of ink, and with a quill pen and seven sheets of foolscap paper I started off for Pope's Court. "Well, to my surprise and delight, everything was as right as possible. The table was set out ready for me, and Mr. Duncan Ross was there to see that I got fairly to work. He started me off upon the letter A, and then he left me, but he would drop in from time to time to see that all was right with me. At two o'clock he bade me good day, complimented me upon the amount I had written, and locked the door of the office after me. "This went on day after day, Mr. Holmes, and on Satur-

the office after me

me upon the amount i had written, and locked the door of the office after me. "This went on day after day, Mr. Holmes, and on Satur-day the manager came in and planked down four golden sovereigns for my week's work. It was the same the next week, and the same the week after. Every morning I was there at ten, and every afternoon I left at two. By degrees Mr. Ross took to coming in only once of a morning, and then, after a time he did not come at all. Still, of course, I never dared to leave the room for an instant for I was not sure when he might come; and the billet was a good one, and suited me so well, that I would not risk the locs of it. "Eight weeks passed away like this, and I had written about Abbots, and Archery, and Armour, and Architecture, and Attica, and hoped with diligence that I might get on to the B's before long. It cost me something in foolscap, and I had pretty nearly filled a shelf with my writings, and then """To an end?"

To an end?

"'To an end?" "'Yes, sir; and no later than this morning. I went to my work as usual at ten o'clock, but the door was shut and locked, with a little square of cardboard hammered on to the middle of the panel with a tack. Here it is, and you can read it for yourself.' He held up a piece of cardboard about the size of a sheet of note-paper; it read in this fashion:

patients spare you for a few hours?" "I have nothing to do to-day. My practice is never very absorbing." "Then put on your hat and come. I am going through the city first, and we can have some lunch on the way." We traveled by the underground as far as Aldersgate, and a shert walk took us to Saxe-Coburg Square, the scene of the singular story which we had listened to in the morning. It was a pokey little shabby genteel place, where four lines of dingy two-storied brick houses looked out into a small railed-in inclosure, where a lawn of weedy grass and a few clumps of faded laurel bushes made a hard fight against a smoke-laden and uncongenial atmosphere. Three gilt balls and a brown board with "Jabez Wilson' in white letters upon a corner house announced the place-here our red-headed client carried on his business. Sherlock Holmes stopped in front of it with his head on one side and looked it all over. Then he walked slowly up the street and then down again to the corner, still looking keenly at the houses. Finally he returned to the pawn-broker's, and having thumped vigorously upon the goor and knocked. It was instantaneously opened by a bright-looking, clean-shaven young fellow, who asked him to stop in. "Thank you," said Holmes. "I only wished to ask you.

step in. "Thank you," said Holmes. "I only wished to ask you how you would go from here to the Strand." "Third right, fourth left, "answered the assistant promptly,

closing the door

closing the door. "Smart fellow, that." observed Holmes, as he walked away. "He is, in my judgment, the fourth smartest man in London. and for daring I am not sure that he has not a claim to be third. I have known something of him before. "Evidently." said I, "Mr. Wilson's assistant counts for a good deal in this mystery of the Red-Headed League. I am sure that you inquired your way merely in order that you might see him." "Not him."

"What then ?" "The knees of his trousers. Now we know something of Saxe Coburg Square. Let us explore the parts which lie

behind it. The road in which we found ourselves as we turned around the corner from Saxe-Coburg Square presented as great a contrast to it as the front of a picture does to the back. It was one of the main arterles which convey the traffic of the city to the north and west. The roadway was blocked with the immense stream of commerce in a double tide inwards and outwards, while the footpaths were black with the hurrying swarm of pedestrians. It was difficult to realize as we looked at the fine shout and stately businees premises that they really abutted on the other side upon the faded and stagnant square which we had just quitted. "Let me see," said Holmes, standing at the corner and glancing along the line. "I should /like to remember the order of the houses here. It is a hobby of mine to have an exact knewledge of London. There is Mortimer's, the tobacconist, the little newspaper shop, the Coburg branch of road in which we found ourselves as we turned The

3

the City and Suburban Bank, the Vegetarian Restaurant, and McFariane's carriage-building depot. That carries us right on to the other block. And now, doctor, we've done our work, so it's time we had some play. A sandwich and a cup of offse, and then off to violin-land, where all is sweetness and delicacy and harmony, and there are no red-headed clients to way us with their conundrums." "You want to go home, no doubt, doctor," he remarked, as we emerged from St. James Hall two hours later. "Yee, it would be as well." "And I have some business to do which will take some hours. This business at Saxe Coburg Square is serious. I shall want your help to night." "At what time ?"

1898

ement of the n that

e card

Then I

know is an if he eague. Then I

at the

e was room were No. 17

at aduncan ek the

hout a

o give you. case is o look sight have arked

gainst e, as I ing of ubject them."

d who nk — if ke for

And ant of

ment-

on his lash of

served

or him

ought. you an o. To-

ome to

ad left a most

hing is npla as a. But I

ee-pipe

knees ith his bill of

he had hen he a man on the

on," he d your

er very

rough

te, and cene of orning. lines of railed-clumps

smoke-

upon a headed

pped in Then to the

y upon at up to ed by a him to

ask you

omptly,

walked man in a claim

ts for a I am

hat you

thing of hich lie

turned

nted as es to the vey the vay was a double re black ficult to business upon the

pon the

mer and her the have an er's, the ranch of

nt.

shall want your heip to-night. "At what time ?" "Ten will be early enough." "I shall be at Baker street at ten." "Very well. And, I say, doctor, there may be some little danger, so kindly put your army revolver in your pocket." He waved his hand, turned on his heel, and disappeared in an instant among the crowd. It was a quarter past nine when I started for home and It was a quarter past nine when I started for home and street to Baker street. Two hansoms were standing at the door, and as I entered the passage I heard the sound of voices from above. On entering his room I found Holmes in animated conversation with two men, one of whom I recog-nized as Peter Jones, the official police agent, while the other was a long, thin, sad-faced man, with a very shiny hat and oppressively re-pectable frock coat. "Hs! our party is complete," said Holmes, buttoning up his

Sherlock Holmes was not

to a head. In the meantime, Mr. Merry weather, we must put

to a head. In the meantime, Mr. Merryweather, we must put the screen over that dark lantern." "And sit in the dark !" "I am afraid so. And first of all we must choose our posi-tions. These are daring men, and though we shall take them at a disadvantage, they may do us some harm unless we are careful. I shall stand behind this crate, and do you conceal yourselves behind these. Then, when I flash the light upon them; close in quickly. If they fire, Watson, have no com-punction about shooting them down." I placed my revolver, cocked, upon the top of the wooden case behind which I crouched. Then Holmes shot the slide across the front of his lantern and left us in plich darkness-such an absolute darkness as I have never before experienced. The smell of the hot metal remained to assure us that the light was still there, ready to flash out at a moment's notice. To me, with my nerves worked up to a fit of expectancy, there was something depressing and subduing in the sudden gloom and the cold, dark air of the vault. "They have but one retreat," whispered Mr. Holmes. "That is back through the house into Saxe-Coburg Square. I hope that you have done what I asked you, Jones !" "I have an inspector and two officers waiting at the front dor." "Then we have stopped all the holes. And new we must

door." "Then we have stopped all the holes. And now we must

door." "Then we have stopped all the holes. And now we must be silent and wait." What a time it seemed! From comparing notes after-ward it was but an hour and a quarter, yet it appeared to me that the night must have almost gone and the dawn be break-ing above us. My limbs were weary and stiff, for I feared to change my position; yet my nerves were worked up to the highest pitch of tension, and my hearing was so acute that I could not only hear the gentle breathing of my companions, but I could distinguish the deeper, heavier in breach of the bulky Jones from the thin, sighing note of the bank director. From my position I could look over the case in the direction of the floor. Suddenly my eyes caught the glint of a light. After ti was but a lurid spark upon the stone pavement. Then it lengthened out until it became a yellow line, and then, without and warning or sound, a gaah seemed to open and a hand sppeared-a white, almost womanly hand-which felt about in the center of the floor. Then it was withdrawn as

and soda in Baker street, "it was perfectly obvious from the first that the only possible object of this rather fantastic business of the advertisement of the Lesgue and the copying of the Encyclopædia must be to get this not over bright pawnbroker out of the way for a number of hours every day. The method was no doubt suggested to Clay's ingenious mind by the color of his accomplice's hair. From the time that I heard of the assistant having come for half wages, it was obvious to me that he had some strong motive for secur-ing the situation."

ing the situation." "But how could you guess what the motive was?" "I made inquiries as to this mysterious assistant, and found that I had to deal with one of the coolest and most daring oriminals in London. He was doing something in the cellar-something which took, many hours a day for months on end. What could it be, once more! I could think of nothing save that it was running a tunnel to some other building

nothing save that it was running a tunner to some other building. "So far I had got when we went to visit the scene of ao-tion. I surprised you by beating upon the pavement with my stick. I was accertaining whether the cellar stretched out in front or behind. It was in front. Then I rang the bell, in front or behind. It was in front. Then I rang the bell, in front or behind. It was in front. Then I rang the bell, in front or behind. It was in front whether the or some skirmishes, but we had never set eyes upon each other before. I hardly looked at his face. His knees were what I wanted to see. You must yourself have remarked how worn, wrinkled, and stained they were. They spoke of those hours of burrow-ing. The only remaining point was, what were they burrow-ing for I walked around the corner, saw that the City and Suburban Bank abuted on our friend's premises, and felt that'I had solved my problem." "And how could you tell that they would make their

"And how could you tell that they would make their attempt to-night " I asked.

attempt to-night " I asked. "Well, when they closed their League offices that was a sign that they cared no longer about Mr. Jabez Wilson's pres-ence-in other words, that they had completed their tunnel. Saturday would suit them better than any other day, as it would give them two days for their escape. For all these home after the concert I called upon Scotland Yard and upon the Chairman of the Bank Directors with the result that you have seen."

Un Joyeux Chapitre

(An Amusing Chapter). By the exceedingly jolly faces of these three holy men one may easily imagine that the book being read from is of a quality to correspond with their humor. The title is hidden, but that, after all, is of no consequence, for "what's in a name." The faces are most expressive. The reader looks like a born comedian, and evidently revels in his work, while the slightly uncertain look on the face of the look on the face of the monk who is, apparently. a little hard of hearing, is capitally drawn. The unrestrained enjoyment of the portly Father in the big chair shows that he certainly is not deaf, and thouse a good joke and knows a good joke when he hears it! The imposing rows of volumes on the shelves look very learned indeed, but we wonder whether they are all of a saintly character, or whether some of them also contain "Un joyeux chapitre."

We hear of the "Friar of Orders



363

1

And s jolly old monk was he; But we'll back these three in this picture to day To be each one as jelly as he.

Som. Watson and I will follow in the second." Sherlook Holmes was not very communicative during the long drive, and lay back in the cab humming the tunes which he had heard in the afternoon. We ratitled through a labyrinth of streets, until we emerged into Farring don street, and had reached the same orowded thoroughare in which we had found our-selves in the morning. Our cabs were dismissed, and fol-lowing the guidance of Mr. Merry weather, we passed down a narrow passage and through a side door, which ended for us. Within there was a small corridor, which ended in a very massive iron gate. This also was opened, and led down a flight of winding stone steps, which ter-minated at another formidable gate. Mr. Merryweather minated at another formidable gate. Mr. Merryweather dark, earth-smelling passage, and so, after opening a third door, into a huge valut or cellar, which was piled all around with crates and massive boxes. "You are not very vulnerable from above," Holmes "Mor from below," seid Mr. Merryweather, striking his "Nor from below," he remarked, looking up in surprise. "You have already imperilled the whole success of our expedition. Might I beg that you would have the goodness to sit down upon one of those boxes and not to interfere?" The solemn Mr. Merryweather perched himself upon a The solemn Mr. Merryweather perched himself upon a The solemn Mr. Merryweather perched himself upon a threader of the solemn Mr. Merryweather perched himself upon a the downe of those boxes while Holmes fell on his knees upon the floor, and with a lantern

goodness to sit down upon one of those boxes and not to interfere?"
The solemn Mr. Merryweather perched himself upon a crate, with a very injured expression upon his face, while crate, with a very injured expression upon his face, while and magnifying lens, began to examine minutely the cracks and magnifying lens, began to examine minutely the cracks between the stones. A few seconds sufficed to satisfy him, for between the stones. A few seconds sufficed to satisfy him, for "We have at least an hour before us." He remarked. "for "We have at least an hour before us." He remarked. "It have for the youth a solution of the will not lose a minute, for the sooner they do their work the longer time they will have for their escape. We are at present, doctor, as no doubt you have divined, in the cellar of the city branch of one of the principal London banks. Mr. Merryweather is the Chairman of Directors, and he will explain to you that there are reasons why the more daring criminals of London should take a considerable interest in this cellar at present."
"It is our French gold?"

UN JOYEUX CHAPITRE.

suddenly as it appeared, and all was dark again save the single lurid spark, which now marked a chink between the

single furth spark, which now instruct a confine between the slonge. Its disappearance, however, was but momentary. With a rending, tearing sound, one of the broad white stones turned over upon its side, and left a square gaping hole, through which streamed the light of the lantern. Over the edge there appeared a clean-cut, boyish face, which looked keenly about it, and then, with a hand on either side of the aperture, drew jiself shoulder high and waist high, until one knee rested upon the edge. In another instant he stood at the edge of the hole and was hailing after him a companion, lithe and small like himself, with a pale face and a shock of very red hair. "Ut's all clear," he whispered. "Have you the chisel and bags? Great Scott! Jump, Archie, jump, and I'll swing for it f

bags? it?"

it?" Sherlock Holmes had sprung out and seized the intruder by the collar. The other dived down the hole, and I heard the sound of rending cloth as Jones clutched at his skirts. The light fisshed upon the barrel of a revolver, but Holmes' hunting crop came down upon the man's wrist, and the pistol clinked upon the stone floor. "It's no use, John Clay," said Holmes, blandly. "You have no chance at all." "So I see," the other answered, with the utmost coolness. "I fancy that my pal is all right, though I see that you have got his coat tails."

"There are three men waiting for him at the door," said

Holme^s. "Oh, indeed. You seem to have done the thing very completely. I must compliment you." "You'll see your pal again presently," said Jones. "He's "You'll see your pal again presently," said Jones. "He's quicker at climbing down holes than I am. Just hold out while I fix the derbies. Now would you please march up-stairs, where we can get a cab to carry us to the police station." And John Clay walked quietly off in the custody of the detective.

upon it.' "Your French gold?" "Your French gold?" "Yoe. We had occasion some months ago to strengthen our resources, and borrowed, for that purpose, 30,000 napoleon our resources, and borrowed, for that purpose, 30,000 napoleon from the Bank of France. It has only become known that we from the Bank of France. It has only become known that wit have never had occasion to unpack the money, and that it is have never had occasion to unpack the money, and that it is still lying in the cellar. The crate upon which I sit contains 2,000 napoleon packed between layers of lead foll." "Now," observed Holmes, "it is time we arranged our little plans. I expect that within an hour matters will come

Just look at the one who the chapter doth read, At the one with his hand to his ear, And the third who, though doubtless of orthodox creed, Seems a friend of good jokes and good cheer.

But let them laugh on in their sombre old roem, We will warrant their hearts are all right. Human nature's not meant to live ever in gloom, And a good monk may sometimes see light.

Recipes.

HUNGRY CAKE.

One pound flour; ³ pound sugar; ¹ pound butter; 1 pound currants; 4 eggs; 1 cup milk or cream; 3 teaspoonfuls baking powder. Beat up well first the butter and sugar, then the yolks, then the milk, and then the whites beaten stiff; then the flour, in which the beking wowder has been stirred, and the which the baking powder has been stirred, and the fruit last. Bake in shallow tins.

CREAM NECTAR.

CREAM NECTAR. One pound sugar dissolved in 1 quart of boiling water; 2 ounces of tartaric acid dissolved in 1 pint of cold water. When the syrup is cool mix both together; flavor with 1 ounce of pineapple; stir in the white of one egg, beaten stiff; bottle. Use 2 tablespoonfuls to a glass of cold water. Add a little soda if preferred effervescent.

ICE CREAM.

Four eggs: beat the yolks with 1 teacup of sugar for about ten minutes; stir in 1 pint of milk and 1 pint of whipped cream; beat the whites stiff and stir in last; freeze.

MAYONAISE DRESSING.

Two eggs beaten well; stir in $\frac{1}{2}$ cup of vinegar; mix a tablespoonful of mustard with a little vinegar

and stir in with 1 teacup of brown sugar, $\frac{1}{2}$ tea-spoon Oayenne pepper and 1 teaspoon salt. Have a cup of boiling vinegar on the stove in a double succepan and stir in the above mixture until it just thickens. Add 2 tablespoonfuls butter. When removed from the stove stir in 1 cup of sour cream.

364

STEWED CABBAGE. Out a head of cabbage in halves; soak in cold water one hour, then drain and shake dry; remove the stalk or hard part and chop the remainder very fine; put it in a stewing pan with boiling water mough to cover, and boil twenty minutes; drain in a colander; turn into a heated dish, and pour over to cream sauce.



The Wandering Cow.

"The cow has escaped from the Ark!" oried Noah—"the cow has escaped from the ark! And wandered away and hid from the day somewhere in the nursery dark; So, Billio, be careful, and Jimmie, go slow; 'twould be horrid-ly award, i vow. If you in your gropings should happen to step on a poor little dun-brown cow.

"Now where shall we look for a little dun cow—just where is she likely to be? Far off in the camp of the soldiers tin or swimming hard by in the sa— A swimming with joy in the saw-dust waves and tossing the boats on her horns. Gr solemnly chewing the iscquered manes of the Japanese

"Or else do you think she has clambered up the sides of the

mantel-piece, And there to the tick of the nickel clock, is taking a moment of case ? Or, horrible thought, oh, terrible thought ! must we fearsome-ly search for her In the sinc flue-pipe that leads far down through the nursery

"Do you think that perhaps she has wandered off and has tumbled adown the stairs, Or can she be up on the bureau there a combing her painted hairs? Is she down in the kitchen or up on the roof, or hid in the attic cold. Or has she run off to the music box to list to the 'Warrior Boild's

has she

"Oh where, oh where, would a dun cow got Pray tell me if you can," gried Noah, "The rain's coming on, and I want to close up and bolt fast my Arkian door. "Twould never do to be caught in the rain, out there on the cold, wet moor," For her color's not fast, and if it comes off she'll be a done cow for sure."

The Place to Put Riches:

"You'll help, Rufus, of course, won't you? All the boys intend to lend a hand, which in this case

means giving money." "I would if I could afford it, but indeed I've got to keep all I can earn and all I can get this sum-mer. There's something special I want to do." The boys in Mr. Oarson's class were collecting a little sum to buy some comforts for a sick com-rade. Mr. Oarson heard the talk between Rufus and Ralph, and it troubled him. He had heard and Ralph, and it troubled him. He had heard from others that Rufus was bent upon being a rich man, and had even now begun to hoard his earn-ings, hoping to have a certain sum in the bank by a given time. He was getting an anxious look on his face, and showed in various small ways that he was carrying some sort of a weight. Hoping to help Rufus without speaking to him directly, Mr. Carson gave out this subject for the next monthly meeting of the class club, which was an institution much prized, with its informal dis-cursions: cussions :

And then she "hadn't time enough" to get to school in season; And so she missed her lesson, and her teacher asked the reason. Why, she "hadn't time" to learn it! Now I think it queer-don't you !-Where she found the time to read that book of fairy tales QUITE THROUGH.

Oh, she's always very busy when the table should be set (If we waited her convenience, why, we might be waiting yet!) And both her brothers know quite well that she could never

For a fraction of a jiffy, just to help them mend their top.

Ah, mel The fact, I fear, that each unbiassed mind must

Is, the things she hasn't time for are the things she doesn't like!

Ants' Cows.

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

THE QUIET HOUR.

A Silence and a Song.

A Silence and a Song. I am alone, dear Master-Alone in heart with Thee! Though merry faces round me And loving looks I see. There's a hush among the bilthe ones, While a pleasant voice is heard. A truce to all the tournament Of fashing wit and word. And in that truce of silence, I hay aside my lance, And in that truce of silence, I hay aside my lance, And through the light and music send One happy upward glance. I know not what the song may be, The words I cannot hear : The but a gentle melody. All simple, soft and clear. But the sweetness and the quiet Have set my spirit free. And I turn in loving gladness. Dear Master, now to thee. I know I love Thee better Than any cartly joy. For thon hast given me the peace Which nothing can destroy. I know that Thou art nearers still Than all this merry throng. And sweeter is the thought of Thee Thou hast put gladness in my heart, Then well may I be glad! Without the secret of Thy love. I could not but be sad. I blees Thee for these viewant hours With sunny-hearted friends. But more for these sends. O Master, gracious Master, With sunny-hearted friends. But more for these blowed us. And sweeter is lowed us. And whom not having seen. What will Thy presence be, If such a thrill of joy can crown One upward look to Thee! To Thee, who hast so loved us. And whom not having seen. We love : on whom in all our joy. As in our grief, we leas.

ent's calm,

F. R. H.

dark closet which we have not resolution to open and set to rights, of course the King has not full possession; it is not all and really "His own"; and the very misgiving about it proves that He has therefore not yet "come again in peace." It is no use expecting "perfect peace "while He has a secret controversy with us about any withholding of what is "His own " by purchase. Only throw open all the doors " and the King of Glory shall come in," and there will be no craving for other guests. He will "fill this house with glory," and there will be no place left for gloom. Is it not so? Bear witness, tell it out, you with whom the King dwells in peace. Life is filled with bright interests, time is filled with happy work or peaceful waiting, the mind is filled with His beau-tiful words and thoughts, the heart is filled with His presence, and you " abide satisfied with Him." Yes, tell it out!

AUGUST 1, 1808

The human heart asks love; but now I know That my heart hath from Thee, All real, and full, and marvellous affection. So near, so human, yet Divine perfection Thrills gloriously the mighty glow. Thy love is enough for me !

There were strange soul-depths, restless, vast and broad, Unfathomed as the sea; An infinite craving for some infinite stilling; But now Thy perfect love is perfect filling! Lord Jesus Christ, my Lord, my God, Thou, Thou art enough for me. F. R. HAVERGAL

F. R. HAVERGAL.

UNCLE TOM'S DEPARTMENT

MY DEAR NEPHEWS AND NIECES,-

MY DEAR NEPHEWS AND NIECES,— The annual commencements are over, to the great relief of the school youth, and, I trust, also to the greater honor of many of my boys and girls. Not even the advent of jolly old St. Nicholas is more esgerly awaited than is the coming of the local paper which contains the realization of many a hope, or, perchance, the confirmation of a lurking fear. Nor was your old uncle the least interested of the readers who scanned the reports of entrance, leaving, etc., examinations. "Why?" you ask. Oh, because he was interested in a certain number of boys and girls whose names he hoped to see 'way up in the honor list. And perhaps he was not proud to find them just where he hoped—perhaps he was not, but I doubt it ! The successful passing of an examination, diffi-cult as they have now become, is generally attended by a certain justifiable vanity. But how many of the successful ones have given to their over-

by a certain justifiable vanity. But how many of the successful ones have given to their over-wrought teachers their proper share of the credit? How many have thanked them for the untiring zeal that has, more than anything else, placed them where they are? Just try it for once (if you have not already done so), and, believe me, you will be more than repaid by the glad look of pleasure that will greet you in return. A pupil can lighten materially the arduous labor of a teacher by co-operating with and showing his appreciation of his efforts; it is only when teacher and pupils work in unison that the best results are obtained. To many this examination is the door to higher

unison that the best results are obtained. To many this examination is the door to higher studies, perhaps necessitating departure from home to attend high school or college, and the mingling with totally strange companions. Some years ago (not so very many, either) this was often a painful time for young pupils, for even in the best colleges the practices known as "hazing" were allowed. "Tom Brown's Schooldays" gives an interesting illustration of this deplorable practice. "Hazing" simply means that the older pupils forced the "fresh" ones to do all sorts of services for them, even to blacking their boots; and made them the butt of many practical jokes characterized princi-pally by cruelty, and thus the first year of college life was generally a thing to be dreaded. Now, however, better laws prevail and no such terrors await the small boy, and the pupil who brings with him good-temper, cheerfulness and honesty, and who respects his teachers and himself, will find smooth sailing in any school or college to which he may go. If he go prepared to stand a few jokes without losing his temper, joining in the laugh at his own expense, he will soon find himself un-molested; while the surly, resentful pupil is but the more tormented.

"The place for money-what position should it hold? How important is it, and what should we do with it?"

do with it?" There was an animated discussion, you may be sure, and a helpful one too, but you shall not be treated to the full minutes of the meeting. As his contribution to the discussion, Mr. Carson read from an old, old book, words written by one Thomas Taylor, in the seventeenth century: "When a man takes a heavy trunkful of plate, "When a man takes him stoop but if the same

or money, it makes him stoop, but if the same weight be put under his feet, it will lift him from the ground. In like manner, if we put our wealth above us, it will press us down: but, under our feet, it will lift us toward heaven."

feet, it will lift us toward neaven." "How this voice," continued Mr. Carson, "rings out from the long ago! Let us take heed, boys, that we keep riches in the right place. They are to rise by, not to stagger under. Make stepping-stones of them, not weights."

The Girl Who Hadn't Time.

I know a little lassie—yes, I know her very well. Her name, you ask ? I don't believe she'd like to have me tell; But I suppose I'll have to call her something in my rhyme, And so I'll name her (just pro tem.) "The girl who hadn't time."

This morning at the breakfast table I was much afraid Her hair had not been combed at all—'twas such a "tousled" braid! She "hadn't time to comb it "! Ha! All very well, mayhap! But I wonder where she got the time to take the second nap?

Full Satisfaction in the King.

"Yes, let him take all, forasmuch as my lord the king i ome again in peace to his own house."-3 Sam. xix., 30.

It is when the King has really come in peace to His own home in the "contrite and humble spirit" (not before)—when He has entered in to take His abode there (not before)—that the soul is satisfied with Him alone, and is ready to let any Ziba take all else, because all else really seems nothing at all in comparison to the conscious possession of the

Treasure of treasures. Sometimes this is reached at once in the first Sometimes this is reached at once in the first flush of wondering joy at finding the King really "come in peace" to the empty soul which wanted to be "His own house." Sometimes very gradu-ally, as year by year we realize His indwelling more and more, and find again and again that He is quite enough to satisfy us in all circumstances; that the empty corners of the "house" are filled one after another; that the old longings have somehow gone away and the old ambitions van-ished; that the old tastes and interests in the things of the world are superseded by stronger things of the world are superseded by stronger tastes and interests in the things of Christ; that tastes and interests in the things of Christ; that He is day by day more really *filling* our lives—we "count" (because we really find) one thing after another "but loss for the excellency of the knowl-edge of Christ Jesus my Lord," till He leads us on to the rapturous joy of the "yes, doubtless" and "all things !" all things !"

"all things!" Now have we got as far as saying "some things" without being quite sure about "all things"? Do you see that it all hinges upon Jesus coming into the heart as "His own house,—altogether His own?" For if there are some rooms of which we do not give up the key, some little sitting-room which we would like to keep as a little mental re-treat, with a view from the window which we do not quite want to give up, some lodger whom we not quite want to give up, some lodger whom we would rather not send away just yet, some little

The treatment one meets with at school, as elsewhere, is largely influenced by one's self, and he who would find himself well-used must "give his best" to others.

Give love, and love to your life will flow, A strength in your utmost need. Have faith, and a score of hearts will show Their faith in your word and deed. Give truth, and your gifts will be paid in kind, And honor will honor meet; And a smile that is sweet will surely find A smile that is just as sweet. For life is the mirror of king and slave; "Tis just what we are and do:

This just what we are and do; hen give to the world the best you have, And the best will come to you. Then

The following are the winners of prizes for solutions during April, May and June: 1st, \$1.50, Mr. Thos. McKim ("Toledo"), Oxmead, Ont.; 2nd, \$1.00, Mr. Richard H. Stinson ("Dick"), Harriston Ont.; 3rd, 75c., Miss Mary M. Ross ("Madge"), Watford, Ont. Very close to them were "Margareta," Jessie Hyde, "Essex," "Brownie," Peter Hyde, Jessie Hyde, and "Pansy."

Hoping to find the present competition even more closely contested, and also that a large number will take part in the "Poet's Corner" contest announced in July 1st issue,

UNCLE TOM. Your loving-

I. 1. A consonant. 2. An elastic fluid. 3. A boy's name. 4. One who watches another's actions. 5. A consonant.

п.

A vowel. 2. Total sum (abbr.). 3. Surfaces. 4. An Am-n author. 5. Having good taste. 6. A tomato sauce.

8.-CONUNDRUM. What word will make you sick if you take away the first BYRON FORCE.

Once there grew up in a tree, A little house which I disee, The outside walls were colored green, The inside walls were white and clean, And in this house meat was in store. Now tell me what this queer house was, Or never see me more. BYRON FORCE.

9.-RIDDLE.

10.-RIDDLE. What is that which a poor man has, A rich man wants, A spendthrift saves, Miser menda

I am a compound word of 10 letters. Divide me in the center. My first half is an area of land. My second half is a transparent substance. My whole is something much used by sailors. "PIXIE."

12-BIOGRAPHICAL TRANSPOSALS. King L. Rip.; an English poet and novelist; born 1864. Al. Harpe; the greatest of modern painters; born 1845. Lord Batyary; an American author and traveler; b

Jesmaw Lafe ; a distinguished English general, 1726-1759. Lil. Wiman-Masher ; an eminent American general ; born

To. Hede. Samson ; a distinguished American inventor

Carrie Atju Esq. ; a French explorer ; born 1494. "THE KHAN." 13.-DECAPITATION.

I out off the head of a WHOLE Because I wanted some meat. A bird was still there With a wise head to spare, And yet I had nothing to eat.

Answers to July 1st Puzzles.

1.—Thunder. 2.—(1) Increase—incase; (2) looking—loo; (3) satrap—sat; sanable—sable; (5) mete—me; (6) solace—ace. 3.—Oh many a shaft at random sent, Finds mark the archer little meant; And many a word at random spoken. May soche, or wound a heart that's broken. 4.—Ada-man-tin-e; adamantine.

A spendthritt. A miser spends. 11.-RIDDLE.

"OGMA."

CRIEFF FERGUSON.

Puzzles.

AUGUST 1, 1898

n to not vn"; t He It is as a ding trow shall ther and

with with k or

eau-with im."

đ.

AL.

IT.

the also irls.

8 is the

any

nce, ask.

iber

not

aps iffided of

ver-lit ?

ing ave be hat

ten co-his

in

her

me

ing ago

ges ed. ing og" the

the aci-ege ow, ors ith and ind he

kes

un

but

lse-he

his

for .50, nd, on, at. a, de,

ven

rge er "

Puzzles. The following prizes are offered every quarter, beginning ith months of April, July and October: For answers to indes during each quarter—list prize, \$1.50; 2nd, \$1.00; 3rd, 0. For original puzzles—list, \$1.00; 2nd, 750; 3rd, 500. This column is open to all who comply with the following the solumn is open to all who comply with the following its: Puzzles must be original—that is, must not be copied its: Puzzles must be original—that is, must not be copied its: Puzzles must be original puzzle; answers must accompany all original puzzles (proferably on separate must accompany all original puzzles (proferably on separate apper). It is not necessary to write out puzzles to which you and answers—the number of puzzle and date of issue is inficient. Partial asswers will receive credit. Work in-inded for first issue of any month should reach Pakenham of later than the 5th of the month previous; that for second sue not later than the 5th of that month. Leave envelope pen, mark "Printer's Copy" in one corner, and letter will ome for one cent. Address all work to Miss Ada Armand, akenham, Ont.] 1. A letter. 2. A boy. 3. A man's name. 4. Doctor of dental surgery. 5. A vowel. 7. A letter. letter?

0.0103	1M	UDDLED A	UTHORS.	
4.50,25		ll make ik	a catch a	nie.
1- H	low on th	e norlot.		Contract National
2 5	Ted wed	but yon ra	trll.	
3	cat read	and aim e	f heie.	
1 H	one let it	fire, how	rngh.	Contractor and the
3. J	all how	deserve h	101	Strange States and the
0. 1	h Sel nel	t can I trap	iin.	
1. 0	U Der Po	Con to the b	PEARL	MOTHERSILL.
法法的	A State of the sta	Cases W	ASSAULT DE L'ANTITE SOL PE	
1.20	1. A	-CROSS WO	HED.	mark and in the second of the

In joyial, not in gav.

In shrub, not in tree. The WHOLE NO one should be.	"DICK."
In ocean, not in sea. In bug, not in bee.	
In black, not in gray. In work, not in play. In mirth, not in gles.	and the second
In June, not in May. In curd, not in whey. In gravel, not in clay.	

3.-DOUBLE DIAGONAL.

(Words of nine letters.) 1. Ripened. 2. Contemplated. 3. Caught in a snare. Perplexing. 5. Giving strength. 6. Covering with a fillet. Collar bones. 8. Marked with disgrace. 9. Flowing out. Diagonals: From left to right—A liquor made of water nd honey; from right to left—To plunder. "Dror."

7.250	4CONUNDRUM.	10000
		123.32
	"Mnle Jy X	S. E. S. S.

"Mnla Jy x Tho' the C C C on S I { g (the) aged } the town (Sgd.) Doom." (Sgd.) Doom." o has not yet succeeded in deciphering it. "The KHAN."

5.-SQUARE.

1. Something we all eat. 2. A line by which we travel. 3. One of the South Sea islands. 4. A coral island. 5. What a merchant does.

6.-HALF-SQUARE. 6.—HALF-SQUARE. 3. Path. 4. Companion 1. Agriculturists. 2. In a ship. 3. Path. 4. Companion Before. 6. Royal Dragoons (abbr.). 7. A letter. "OGMA."

7.-THREE DIAMONDS. The three centrals form the name of an eminent American man of letters:



6.—Because in their youth they gambol (gamble), generally are blacklegs, and are universally fleeced. suppose was never accompliant a security breeder before. I was fortunate in security these three sows. I also purchased two of these three sows. I also purchased two of these three sows from the pen that won first provide young sows of the security of th nate in securit A GOOD HACKNEY SALE. Sir Walter Gilby's name is intimately asso-ciated with the Hackney interests, and it was not to be wondered at that when represen-tatives of his world-famed stud at Eisenham, Eng., were to be sold at auction a large con-course of horsemen were drawn together. The sale cocurred on July 8th, when 56 repre-sentatives were disposed of at prices running into the three figures in many instances. The highest price received was 625 guineas (\$3,125) for Lady Kenningham (\$925), by Danegelt, and out of Dorothy (\$016).

"OGMA."

sows in pig, and i oh I hope will a tation of Canadian in base in ype wh

e Chief r

0 G	MA	9.	- Par	1 3 55 2 4 4
CONTRACTOR OF STREET	IM	Lange the ba	r E v	E 1
		and the second second	tuR	And the second design in the
and the state of the state of the	LE		pEs	STREET,
CONSERVING ON A STREET OF ADDITION	EN	San Part	 CATUSKI, CALIFORNIA CONTRACTOR 	DETAIL MERSING AND ALCOHOLD ST
al Salar 🖉 🖓	Sec. Cal		8 m i	C H
<u> </u>	- 1 0	0 0		
C. S.	1	bb		as minolesteril
	b	0 7		A State of the second
	r t	itude		Bridle
o b				Eccyclopedia.
	, U 8 1	a tion	13	Zambesi
		n y 🧹	and the state of	Stand Latan
	Constant Street, Constants	0 1	STATISTICS.	And the second second
		0 1		Service all and the
0I remcu	nbered	he gradual p	atience	Bre Ward wigh
That rel	r flake h	ealing and h	iding	
The sea	r of our	leep-plunged	woe.	A KAN TANKAT S
4-(1)		(2)	(3)	Pa I
			1	
and the	ibe	r 010		India
	gem		T . are the	a i m.
The shares and	F		C. C	•
MAR LAND	Contraction of	Aller Contents		in at the state and
States Special States	BOTVERS	OF JULY IST	PUZZLES.	A STATISTICS

365

"Dennis"; "Toledo"; Pearl Mothersill; "Paney"; M. R. G.; Crieff Ferguson; "Dica."; "Madge."

Solvers of June little Puzzlan. (Late or overlooked last issue) "Brownie"; "Toledo"; Muriel E. Day.

COUSINLY CHAT.

COUGINLY CHAT. "Dick."—You are doing very well, as you will see by this issue. It is always safer to come early. "Toledo."—The puzzles never become wearisome, but I am always glad to have a ohat anyway. I went berry-picking on a mountain and had a fine outing — got berries, ton. You're lucky this time. M. R. G.—Please sign your name in full — not for publica-tion. Original puzzles must be accompanied by answers to them.

Pixie."-They were almost late last time, but in g

time for this issue. Pearl M.-. Why, it's a long time since we heard from you--where did you hide yourself? Byron F.-.I am glad you mean to contribute regularly. We want our "Corne" to be full right up. Send your letter open as directed and never mind what your postman says. If will be all right at this office. "Puss."-" Do I milk cows!" Well. I rather think I do : too often for pleasure. Will answer your other questions when I find a spare hour in which to write. "Margarets."-How much do I owe you for that compli-ment; it is surely worth more than the proverbial quarter. By all means visit the capital and then you can come as me quite conveniently. "Madge."-Your answere came nearly being late, but "a miss of an inch is as good as a mile," ah!

Ask your neighbor if he reads the Farm

er's Advocate. If he does not, get him to.

W. D. FLATT, Hamilton P.O. and Telegraph Office

umber of rs, all of a

DEATH OF THE CHAMPION STALLION "BANQUO."

- rince of Nairn, by Prince of Wales.
- 1 four-year old, by Queen's Own, out of Imp. Candour, by Macgregor.





(4) 881

5-

8 11 16 13 15 17

14 19 12

GOSSIP.

A GOOD HACKNEY SALE.

"MADGE

1 four-year old, by Queen's Own, out of Imp. Candour, by Macgregor.
 2 imported two-year-old stallions, by Macgregor.
 3 two-year-old stallions, by Prince of Quality, out of imported dams.
 4 we also a well-mated team of three year-old Clyde Filles, sired by The account of the prize willing of t



MENTION FARMER'S ADVOCATE



very little annoyance." B. G. MARTIN'S YORKSHIRES AND BERKSHIRES. In a spleadid farming section of country, along the Kingston Road, some fifteen miles east of Belleville, Ont. is the well-equipped 16 well-tilled acres of Mr. R. G. Martin, lying close to the village of Marysville, upon which Mr. Martin makes a speciality of whatever he ndertakes, and where nothing is done by halves or is in any way slighted. In looking over the farm we saw some splendid fields of grain, and a grand herd of Ayrahire grade over with immense udders. A few good horses were also seen in the pasture. In no particular were we more interested than in the herds of Yorkshire and Berkshire pigs (the pride of the owner) which we were shown. The Yorkshire hard was founded upwards of a dozen years ago, and among the Grat animals, and to which lies much of the credit of establishing a reputation as well as an enviable showring record, was the grand ald matron Maud G. from whose breeding some of the best animals ever offered to the Canadian public have had their origin. From time to time Mr. Martin has had occasion to add new blood, which was always selected with the most careful ad constilerate indgment, until to day we doubt if any other herd of the same number can produce more really showring animals. The present stock also contains members of the noted Marian family. Maria Sci 160, by Model Duke 2nd 444, and out of imported Marian 18th, is now four years old. She has been a very prolific breeder of high-class stock, which has found ready buyers, and we were informed that some grand boars are placed to her oredit. In conformation she is a true type of the breed, possessing immense length and depth of body, standing well on her feet, and weighs right close to 900 bs., and qualified for any show-ring competition. Next we were shown a pair of grand females with litters at their feet. Lvdy Haskett 2857, by Haskett 3rd 1938, and out of Masud G. 683, is now two years old, and

We only keep and breed registered Holstein-Friesians. We have now some oholoe young bulls and heifers, also some older animals, all of the very best dairy quality, that we will sell, one or more at a time, on reasonable terms. Correspondence solicited. ELLIS BROTHERS.

BEDFORD PARK P.O., ONT.



AUGUST 1, 1898

1808

air

ire

ION

0.

6

also

IHS.

tein ring tock nost ear-ling t of tour vin-It

85

ıt,

E

her

any ally ers. erd.

Y,

RD

and our ant. ad-

NG.

E.

d or o.

THE FARMER'S ADVOCATE.

-0

-0

BRITISH ADVERTISEMENTS.

KNOWN THE WORLD OVER AS

LEAN, JUICY FLESH, best and heaviest fle of all DOWN SHEEP, very prolific, good

nurses, robust constitutions, noted for early maturity.

N. B.—The best GENERAL PURPOSE SHEEP in existence, and splendidly adapted for cross-ing on Merino, long-wool or cross-bred ewes when an IDEAL FREEZER is wanted.

FAT LAMBS.—For breeding fat lambs the Shropshire ram is unrivalled, and for that purpose it is extensively used in all parts of the world.

THE SHROPSHIRE will thrive and do well where any other sheep can exist, and no breed has Such a Record for Readily Adapting itself to any Country and all Classes of Pasture.

A list of Shropshire sheep breeders entered in the last volume of the flock book may be obtained from

ALFRED MANSELL & CO.,

Secretaries of the Shropshire Breeders' Asso

SHREWSBURY, ENGLAND.

J. E. CASSWELL, Laughton, Folkingham, Lincs.

W. Chapman

Secretary of the National Sheep Breed-ers' Association. Secretary of the Kent or Romney Marsh Sheep Breeders' Association. and late Secretary of the Southdown Sheep Society.

HILL HOME FLOCK

-OF

FOR SALE!

A NUMBER OF CHOICE, WELL COVERED

OF BOTH SEXES. PRICES RIGHT.

ST., STRAND, LONDON W. W.

THE FARMER'S SHEEP

YRSHIRES AND YORKSHIRES SHROPSHIRE SHEEP ATRSHIRES.-Choice young stock of either sex, from superior milking strains, on hand.

A.

ex, from superior milking girains, on hand. YORKSHIRES.—Several litters of young pigs, equal to any we have ever had, ready to ship, and we only ship the best. Orders solicited, which we will promptly and honorably fill, as we guarantee stock as described. If in need of anything in Ayrshires or Yorkshires, write us.

ALEX. HUME & CO., BURNBRAE, ONT. Importers and Breeders. o- Heard's Station, G.T.R.

YRSHIRE CATTLE, BERKSHIRE PIGS

The bull Tom BROWN and the heifer White Floss, neifer w nite Floes, winners of sweep stakes at World's Fair, were bred from this herd. Young stock for sale. Also Leices-ter Sheep and Berkshire Swine.

5-1-7-0 D. BENNING & SON,

Glenhurst Farm, WILLIAMSTOWN, ONT.

FAIRVIEW STOCK FARM Ayrshire Cattle and Berkshire Pigs.

Traveller of Parkhill at the head of herd, while my herd is descended from cows pur-chased of Mr. David Benning; are modern in type, and are of the choicest milking strains Write for prices of young bulls and heifers.

DAVID LEITCH, Grant's Corners, Ontario. Stations-Cornwall, G.T.R.; Apple Hill, C.P.R.



GOSSIP. The Secretary of the American Shorthorn Breeders' Association gives notice that after January 1st, 1900, a fee of \$25 shall be charged for recording in the American Shorthorn Herd Book the pedigree of an animal over four years of age.

for recording in the American Shorthorn Herd Book the pedigree of an animal over four years of age. W. CLARE'S ATREMIRES, JERSERS, AND HERESHIRES. The farm of the above-named breeder lies on the main road some four miles from the village of Campbellford. Jersey catile have here been bred since 1893. The foundation stock was obtained from Mr. J. C. Snell, when Marthas of St. Lambert S73'M, by Viotor Hugo Beauty 27499, and out of Lisgars of St. Lambert 64155. Was obtained. She is a solid colored on with back tongue and switch, very handsomet woyear-old bull by Thaley's St. Lambert S715, of dark fawn color, and, like his dam, handsomely built, with a rich skin and posses-ing strong dairy indications. Her yearling heifer, by Satellite 41685, is a dark fawn, nicely made thing, with a well-formed, deep body, her size tracing directly to the noted Mart Anne of St. Lambert. She is being bred this summer, and moch is expected of her, as she is unquestionably bred in the purple. Ansi of choice Ayrshire cows are also on the farce. Duchess of Burnbrase 2694, by Dainty Day 901, and out of Lady Loudon 1585, by Graeral Middleton, her pedigree tracing trough much of Stewart & Son's (Menie) best took; is of fine type. She has a nice bull calf by White Prince, which is a beauty and prottily marked. The aged cow, Minnie 1526, by Earl of file 155, and out of Dandy 1837, has been a regular producer. Her young daughter by White Prince Albert, and out of Dundy 1837, has been a regular producer. Her young daughter by White Prince day being a splendid producer. We were also shown a well-made yearling heifer by Prince Albert, and out of Henes of Burnbrase 2694. Mr. Clark founded his Berkshire herd on a s well-fnamed Suell-bred sow, Maid of Horeor, well-formed Suell-bred sow, Maid of Horeor, well fact has been a profitable producer : a bunoh of three sows and two boars out of her, and by Hark well 4567, are lengthy, well-marked stock, and keep in good form.

of three sows and two boars out of her, and by Harkwell (557, are lengthy, well-marked stock, and kept in good form. FITZGERALD BROS. SHORTHORNS AND COTSWOLDS. At the large breeding establishment of Fitz-gerald Bros, at Mt. St. Louis, Ont., we were shorthorn oattle and a large flock of Octswold sheep. The foundation of the Shorthorn estile was laid over twenty years ago by the late Mr. Fitzgerald. Among the matrons now on the farm we saw the successful aged roam ow Roan Lily, by Marquis of Lavedown, and out of Maggie, a cow which would have been exteemed in any herd in Canada, having not only been a regular call producer but one of the best dairy cows ever owned on the farm. Much of her stock (females) is now on the farm, and are all regarded as valuable. Queen Caroline, by Ingram's Viotor, and out of Prin-ces Caroline, is a rangy red three-year-old ow what possessee much desirable quality to rocommend her as a matron ; her yearling roav sister boing in possession of as much quality of the right sort, with sufficient size, as anything on the farm. She is a sappy, good, evenlyfieshed heifer. Lady Aberdeen, by Coventry Viotor, and out of Village Reas, wave lately purchased, and adds much to the value of the matronage in appearance, having been well kept: She was due to calve very shortly after our visit. We saw a bunch of yearling heifers that would be hard to dual-out on way pampered. Molly Bawn, and Cherry Watt, by same sire, and out of Topy Roy, are a pair of choice red things full of quality. At the time of our visit. (May) fourteen calves in all had arrived, half of which were buils, by a Morton-bred bull, St. Louis, purchased last year. In Cotswolds the firm, have some forty breading ewes, a dorn shearling ewes, this

The Cotswolds the firm have some forty breeding ewes, a dosn shearing ewes, this year's crop of lambs and their sire, a very well-made ram, bred by Mr. Watt, Shanty Bay. The Cotswold stock is a strong well-covered bunch, and among them we saw some very forward, well-covered lambs, thebuckney which, together with a few femaler, are held for sale.



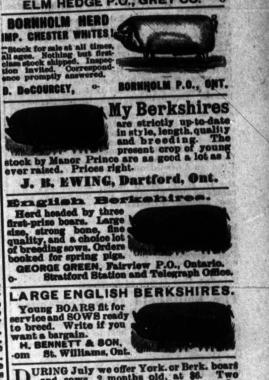
367

W. H. SPENCER, - NORPETH, ONTARIO.





which, together with a few femaler, are held for sale. MESSES, & MITCHELL & SONS' SHORTHORNS. Adjoining the village of Nelson, Ont., a short drive from Burlington Station, is the large farms of Messrs. R. Mitchell & Sons, whose special attention has been directed to the breeding of Shorthere cattle, and with this in view the firm have splendidly arranged, com-fortable stables, constructed with all due regard to their sanitary condition, which, together with good care and careful manage-ment, their stock show its benefits. Upwards of ten years ago Viols 2nd 1993, by The Premier 6114, and out of Viols 8130, was our chased, and from her some dozen head now on the farm are descended. She is a large, level, red and white cow, pocessing good dairy quali-ties, as is evident by her immense udder and the manner in which she is rearing her calf at toot. Viols Nelson, her swen-year-old daugh-ier, by Master Ingram 12046, is a splendid individual of a decidedly beefy tendency, having a broad, level back and a great wealth of quality. In the showring she has always beem an easy winner without special prepar-ation. Nelson Beauty, by Waterloo Duke 18th 6182, is six past, and to her lies much credit of bringing the herd to the standing in which wefound it. Her two year-old daughter, Rena, by Earl of Highfeld, is a splendid young, well-matured animal. and is safely in calf. Her eighteen-months roan bull is also making progressive growth. He is a splendid handler and stands well on his feet. The present crop of calves (three bull surd three heifers) were stred by the stock bull Elvira Saxon 21624, by Royal Saxon 10537, and out of Elvira 11th 11616, a deep red fellow purchased from his broeder. Mr. C. M. Simmons, and in his purchase we judge Mr. Mitchell has made a good selection. He has a splendid back and loin, a quality he seems to stamp upon his progeny. Parties requiring young bulls will do will to visit Mr. Mitchell early, as the present demand will no doub remove such stock as soon as located. A t present two serviceab ESSES, R. MUTCHELL & SONS' SHORTHOE



DURING July we offer York. or Berk. boars and sows, 2 months old, at \$6. Two York. boars, weighing close to 200 pounds, growthy follows, at \$14. We have also a choice Jersey bull to exchange for heifer of same breed. -0 W. E. BOWMAN, Mt. Forest, Ontario.

GOSSIP.

a, have pu g. Lafayett by show bu one of the fr. 175 n if is we pre-ver by any thy of his

TEIN CATTLE, TAMWORTH

ord of Mr. D. J. Gib ar Bowmanville, Ont. ville, Ont. 1 its Princess. at of Cecelia Boy, nd 2001, and out of Cecesia Boy, 1 cow, is eightycers old, and has 11 calf by Lado Wedo's Mink ch is three months past. Mr. will of white, white, it is a start of the second se

and though not numero and we raw three very prow before August. I ported Shortnose St. r choice August. nose 88, and out of arded in American and (ump.) to proceed in America th swines hard as No. 112), is n tre past. She is credited with t nually, has now one at foot. She deen didai month any with the munally, has now one at 1001. during munally, has now one at 1001. during the deep-sided, smooth sow, with suff-ne. Hannah 785, by Algernon 573, and tokering Queen 51, was purchased from seder. Mr. Wm. Major, Whitevale, ader siz months old, and has lately if her first litter to the second prize ader siz months at Toronato last fall in ade of John Bell, Amber. From her ar breeding and conformation she make s valuable addition to the herd, sing as the does good hone, with alenty th awd depth. Gibson's Choice 820, by find without 174 (imp.), and out of Tilly as purchased from Mr. A. O. Hallman, weeder, through Mr. R. O. Morrow, She is a promising young sow.

noted Niurod 174 (imn.), and out of Tilly was purchased from Mr. A. C. Haliman, breeder, through Mr. R. O. Morrow, ton. She is a promising young sow, useing the quality we would expect from to fher worthy site. She is due to farrow Quickfall Pride 770, by Modduty 391, and of Aliok 34, a bear which has done service he herd for upwards of two years. Berkshires the Acricultural College bred O. A. C. 359, by Prince Lee 3909, and out ady Clare, heads the list. He is two years this fall, and has proven himself a sire of d animals. To his credit now on the farm bunch of young fewnales from a Green bred f, by Kentucky Prince 3786, and out of en Sit8, which are an even, well-marked och, possessing much of the Baron Lee Nits. A splendid young McAllister-bred his also in the herd, which will be bred at proper Age.

oper age. Inster Whites a choice litter is held for nost of which are boars, their pedigrees ag them to be directly descended from e breeding, their dawn being by Sir John d out of Gold Dust 448, and among them shoice young boars may be seen. Ing the past season Mr. Gibson reports y for stock far beyond his expectation, highly astisfactory sales. The entire of Redskin went to Mr. J. M. Simpson & 'almer, Ill., and in a lotter which we ally read from them, which was written their arrival, he expresses himself in of the highest satisfaction at their qual-l condition on arrival. dition on arrival.

THE FARMER'S ADVOCATE.

ENGLISH BERKSHIRES In sert Come to headquarters for pigs of either sex if you want Berkshires that will make you money. Orders taken for spring pigs. Write for J. G. SNELL, Prices. J. BNELGROVE, ONT. A CHOICE LOT OF A lengthy, large Eng-lish Berkshires from six weeks to three months old. Pairs supplied not Y ORKSHIRE Sowsin pig of rood breeding. Boars and sows. 3 monthe old. not akin, from prise-winning stook.

Write H. J. DAVIS, Box 290, Woo Ont., breeder of Yorkshires, Be Shorthorns, and Shropshires. HEADQUARTERS FOR

DUROC-JERSEY SWINE

m at London and Ottawa

We are saying we have the best herd in frst-class stock of all kinds for sale Address-TAPE SROS., Brogsrows, ONT

Oxford Herd of Winning Poland-Chinas

Having won the herd primes at Toronto, London, Ottawa, and Brantford Fat Stock Show, we feel justified in stating that we are in a position to offer you what you may sek for from gill-edge prime-win-E. W. & H. JONES,

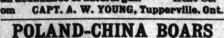
OxFORD CO. MT. ELGIN.

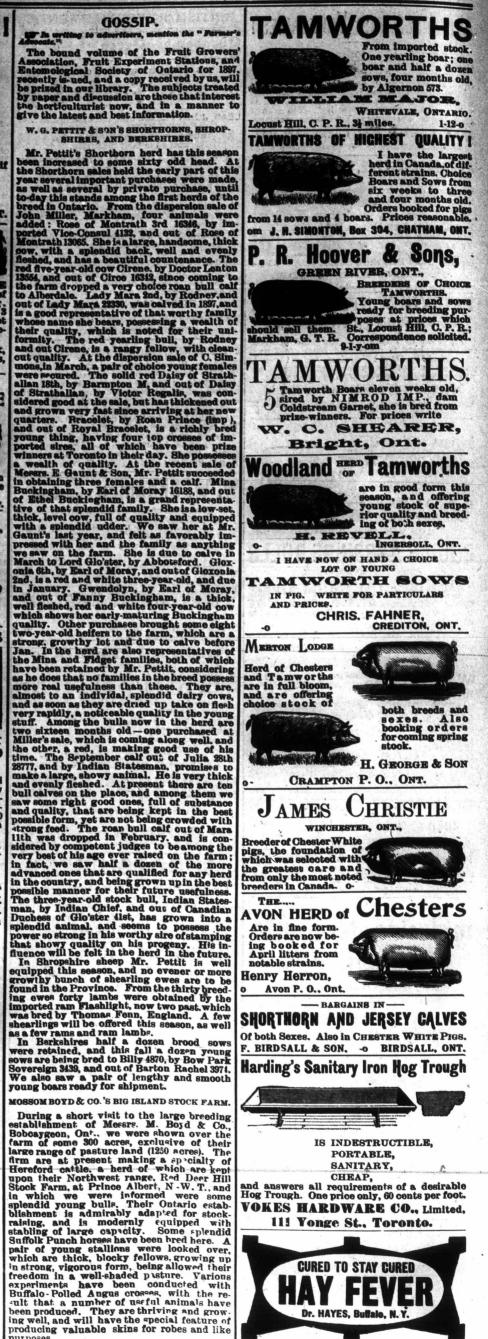
2 POLAND-CHINA BOARS Also a pair of six mos. sows, with pedigrees run-ning to imported sires. Booking orders for spring theck form show. ring dams an

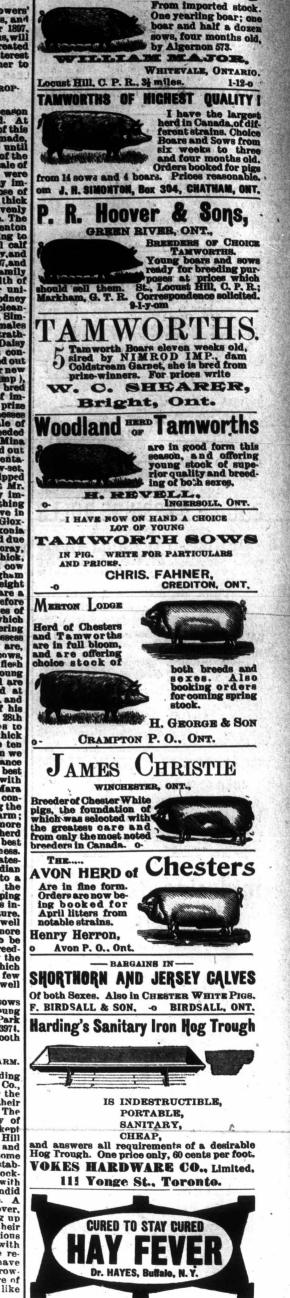
IOSEPH M. SMYTH, Box 619, Chatham, Ont. The CANADIAN CORWIN HERD

of POLAND-CHINAS

Are in shape to dispose of breeding stock of all ages and both sexes. Also offering a Jersey heifer calf from Snell stock. Poultry a spe-cialty. B. P. Rocks. Brown Leghorns. S. Ham-burgs, and Silver and G. Dorkings. Eggs, \$1.00 per setting. Also 50 acres cleared land, with an abundance of natural gas. Kent Co.







AUGUST 1, 1898

A straight and condition on arrival. SPBOIAL PRIZES FOR HOLSTEIN COWS. At Toronto Industrial Fair, August 29 to September 10, a special prize of \$50 is offered in the dairy test, for the cow being the largest produces, products from milk only to be considered. The Holstein-Friesian Associa-tion of America will award \$25 if this prize is also offers a second prize of \$15 under same conditions.

won by a cow recorded in its new cook, and also offers a second prize of \$15 under same conditions. A special prize of \$60 will be given by the Central Canada Exhibition Association, of Ottawa, and the Canadian Holstein-Friesian Association (being \$25 each) for the cow being the largest producer (products from milk only to be considered) at the Central Canada Fair of 1898. Conditions: Rations fod to compet-ing cows will not be considered. Cows will stand in the open stalls in full view of the public. Competition open to all pure-bred cows. The test will be conducted on Sept. 21 and 32. Mr. J. A. Ruddick, Resident Superin-tendent of Dairy School, Kingston, Ont., will conduct the test. Entries close Tuesday, September 13. with Scoretary of Contral Canada Exhibition Association. Entrance fee, 31 per head. The Canadian Holstein-Friesian Association will give \$15 for the best Holstein-Friesian cow which is registered in the C. H. F. Herd Book, which has not received first promium, and \$10 for the next best. Holstein-Friesian Association of Amer-ica will also give \$25 as first prize, and \$15 as second, for the cows making the highest product in accordance with the rules of the Friesian Association in the Ottawa test; such prize winners to be animals which are re-corded in the Herd Book of the Holstein-Friesian Association of Amer-ica will also give \$25 as first prize, and \$15 as second, for the cows making the highest product in accordance with the rules of the Friesian Association of Amer-ica will also give \$25 as first prize, and \$15 as second in the Herd Book of the Holstein-friesian Association of Amer-

The Smithfield Club Centenary

The Smithfield Club Centenary Show. The prize list for the centenary show of the Smithfield Club, to be held in December, has been isoned. In addition to the challenge cup, value £150, for cattle, offered by Her Majesty the Queen a challenge cup, value £100, for sheep, is offered by H. R. H. the Prince of Wales, K. G. and a challenge cup, value £00, for pige, by H. R. H. the Duke of York, K. G. Centenary silver medals will be awarded to the exhibitor and breeder of each first prize animal or pen of animals, and a silver medal to the exhibitor and gold medal to the breeder of each breed cup winner.

Now offering the 2-year-old sire, Black-amoore, and a few of h is young females, and booking orders for young stock from

pric

and booking for young stock from the royally-bred Goldbug, lately added to the herd. WM. J. DUCK, MORPH

RED DUROC-JERSEY PICS

DUROC-JERSEY - YORKSHIRE CROSS.

Breeding stock, ready to wean, on hand and for sale. Orders booked. Stock selected and imported for us by Rattenbury himself. Af Litter of Duroc-Jerseys. Aug. 26th farrow, for sale; ready to ship Oct. 10th. Write for

Hermanville Farm, Hermanville, P.E.I.

Tamworths, Berkshires.

I have three litters of Tamworths that are bred right, of two distinct families. Also a few Berkshire sows descended from Baror Lee 4th.

D. J. GIBSON, Bowmanville, ONTABIO.

HERMAN

Fit for service, and a few six months sows. Also booking orders for spring pigs, by the im-ported sire, Corwin Ranger, and Orme. ROBT. L. SMYTH & SON, FARGO P. O., ONT. Springridge Poland-Chinas

WM. J. DUCK, MORPETH. ONT.

MOSSOM BOYD & CO.'S BIG ISLAND STOCK FARM. During a short visit to the large breeding establishment of Messre. M. Bojd & Co., Bobcaygeon, Ont.. we were shown over the farm of some 500 acres, exclusive of their large range of pasture land (1250 acres). The firm are at present making a sp-cialty of Hereford cathle, a herd of which are kept upon their Northwest range. Red Deer Hill Stock Farm, at Prince Albert, N. W. T., and in which we were informed were some splendid young bulls. Their Ontario estab-blishment is admirably adapted for stock-raising, and is modernly equipped with stabling of large capacity. Some splendid Suffolk Punch horses have been bred here. A pair of young stallions were looked over, which are thick, blocky fellows, growing up in strong, vigorous form, being allowed their freedom in a well-shaded pusture. Varions experiments have been conducted with Buffale-Polled Angus crossens, with the re-sult that a number of useful animals have been produced. They are thriving and grow-ing well, and will have the special feature of producing valuable skins for robes and like purposes purposes

AUGUST 1 1898

Sock. one zen old,

. -0 YI

dif-bice rom ree old. bigs ble.

ICE

ich R.;

15

his ing pe-ed-

.

nd so rs ng

ON

S

S 18.

T.

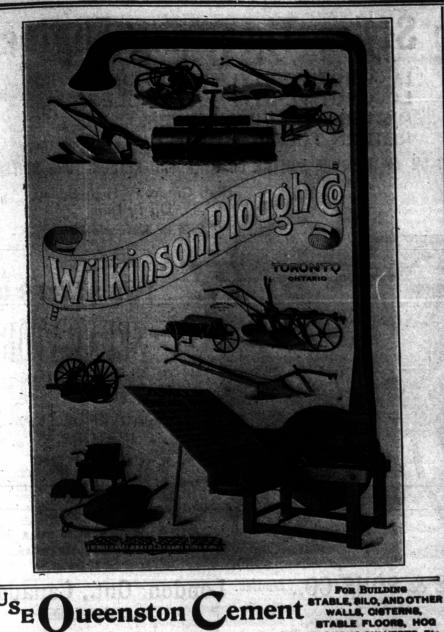
rh

le

ot.

d,

THE FARMER'S ADVOCATE.

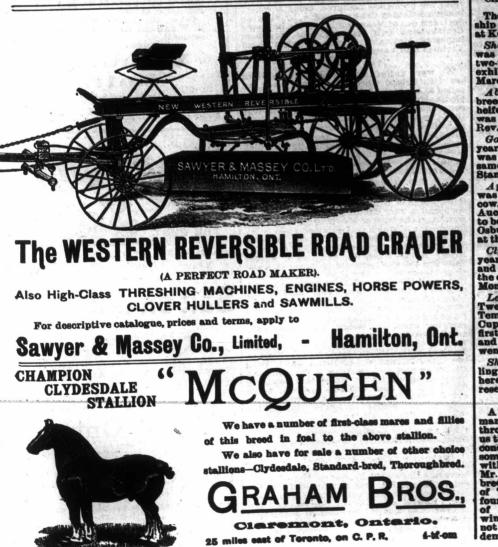


USE Queenston Cement TROUGHS CULVERTS, Etc.

CEMENT CONCRETE WALLS ARE PERFECTLY DRY AND FROST PROOF. If use of cement is not understood we nd competent man FREE, to lay out work and give complete instructions. We warrant all struca our instructions are carried out, and guarantee our cement quite equal to any tures w domestic or imported Portland cement for above structures.

SEND FOR OUR PAMPHLET, CONTAINING FULL INSTRUCTIONS, FREE. AF For prices of Cement and other particulars, apply.

ISAAC USHER & SONS, Queenston, Ont.



re buil c old bull to Bound, and a two, d Clark, City View, O Neshit, Merivale, O Brownlee, Ri th b rt

QOSSIP.

EWING'S BE

nd fr a bred on the farm purchased from the s. The present crop a, which will be held

CHAMPIONS OF THE HIGHLAND SOCIETY'S

show. allowing were first prize aners at the Highland f ship winne at Kelso :

orns.-The best animal of the brand to be C. H. Graham Sterlin old bull. Star of Dawn. The star had the first-prize cow, Sirow tess 3rd. Shorthorns

Aberdeen-Angus. - The champion of th

breed was Eari of Strathmore's two-rear-old heifer, May of Glamis, and the champion buil was Proud Duke of Ballindalloch, shown by Rev. C. Bolden.

Galloways.-Mr. ear-old heifer, L John Cunning

Galloways.-Mr. John Cunningham's year-old heifer, Louiss II. of Durham was delared the best of the breed, an same exhibitor's three-year-old bull, So Standard, the champion bull. Ayrshires.-The championship of the was found in R. & J. McAlister's fine oow. Cherry Ripe (bred by John Bau Auchentilloob) and the best bull was der to be the first prize two-year-old. Mr. R Osburre's Gigantic Stunner, who was als at the Royal. Clydesdales.-A. & W. Montgomery's year-old stallion. Benedict, by Baron's and out of a Macgregor mare, was aw the championship as the best male in the Montrave Maud was the schampion fema Leicesters.-The President's medal, als

Montrave Maud was the enampion for Leicesters.—The President's medal., Tweedale gold medal, went to Mr. M Templeton's first prize aged ram, Ct Cup; I. Douglas Fischer, of Rosehau first in a class of forty-sixty shearlin and the first prize for nen of yearlin went to Alex. Cross, of Kueckdon. edal, also th

went to Alex. Group, of A norman. Shropshires.-D. Buttar's first prize shea ling ram at the Royal won the champlonsh here, and his first prize two shear ram was th reserve number.

E. & C. WOOD'S LEICESTER

E. & C. WOOD'S LEIGESTERS. A short call upon the Mesers. Wood at Free-man, Ont., near Burlington Station, and a run through the flock of Leicesters soon convinced us that they are alive to the times by the fine condition we found their sheep in. We saw some splendid lambs, well advanced in size, with grand flecces, and very uniform, which Mr. Wood informs us were sized by the Kelly-bred ram Shakaspeare, and an Orr-bred sheep of Thompson's importation. We also saw four strong, useful shearling rams, a couple of which would easily make showring winners, and parties desirous of such should not delay in making application, as the demand this season is the best in years.

ESTABLISHED 1889.

BUSINESS

COLLEGE

BELLEVILLE

BELLEVILLE, ONTARIO.

SHORTHAND

CIVIL SERVICE

ROBERT BOGLE,

J. FRITH JEFFERS, M. A.,

WRITE FOR CALENDAR.

n.

III.

869

t Work

Switz the T

There's

No Risk

In Using

FLEMINC'S

TATA

FLEMING BROS

entral anada

Anibition

OTTAWA, ONT.,

September 16th to 24th.'98

000000000000000000

ST. CEON

PRINCIPALS.

oult 110

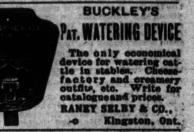
a as Swe

New]

d, New

Special Low Rates on all lines of travel. For all information, address

WM. BUTCHISON, M. P., Secreta



BHEEP BREEDERS' ASS DEIATI



ng in type, and extr were sired by Walcott and the Canadian D

			Date Sector Street		1. S. Marine B.		PRIC	BG. ()	
0	ft.	Extra	Star, 6	in. x 4	ply,	endless,	\$25	00	ľ
Õ		. 11	. 6	. 4		-	28	00	h
0			. 6	. 4			30	00	Ľ
60			6	. 4			38	00	Ľ
0	fee	t Extr	a Heav	y Star,	6 inc	h x 4 ply	38	00	L

helpful discussions. Mr. F. A. Gardner, Britannia, Ont., offers for sale his excellent Soutch-bred Shorthorn stock bull, Bold Britain = 20397 =, having used him as the chief sire in hisherd for three years. This bull has headed the first prize hord at the Peel County Fair for two years, and has proved a first-class breeder. as might be expected a first-class breeder. as might be expected from his high-class pedigree. being a son of imported Golden Crown = 17098 =, by Sittyton Sort, and out of Mina Lenton, by the imported Cruickhank bull, Baron Lenton, grandam imported Mermaid, by the Sittyton - bred Victoria bull Vermont. "THE PRIERS."

"THE BRIERS."

by Premier Earl, and the Canadian Duchess of Gloster strain of the programy through Redman will add greatly to the value of the pedigrees of the herd. At the time of our visit eight calves had arrived, six of which are bulls (four reds and two roans), with two other cows to hear from, which with present demand will attract a hest of eager buyers when the value of their pedigrees are looked into. Last year found a good, useful bunch which all went at once, but this crop will place the firm even in stronger shape with oalves fully equal in quality, and of the last lot we heard (outside) some very compli-mentary remarks made by highly competent indgress of the useful ones. In Catswold sheep some 55 head are in the flock. The present crop of fambs is by a well-formed two-year-old sheep, purchased from Mr. Garbutt, Claremont. In all there are some fifteen ram lambs, among which are some right good ones, strong and well covered.

some right good ones, strong and well overed. A good stock of Berkshires were on hand at the time of our visit, with four broad sows. The stock boar Harkwell 4557, by King Lee 350, and out of Best on Earth 4049, has grown into a strong, useful type of an animal, possessing much of the Enterprise quality of that worthy family. The old sow Bonnie Lass 2681, by Royal Warrior 1204, and out of Dolly Varden 2277, has proven herself a very valuable matron by high-class production on the farm. She is again due in the fall. The young sow Dolly 5283, by Bonny 3209, and out of Queen of Spades 3323, is also due in the fall. We saw a splendid bunch of young stock from which many really choice animals could be selected, and the price which we heard, considering their quality, we consider ex-tremely modest.

SHORTHORN CHAMPION AT KELSO.

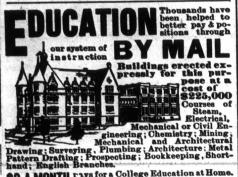
SHORTHORN CHAMPION AT EELSO. Star of Dawn, a light rean two-year-old bull owned by Mr. C. Home Graham, and bred by Mr. A. Gordon. won the championship of the breed at the Highland Society's Show at Kelso last month. He is a son of Star of Morn-ing, and of Marian, by Mario. In this deuter he defeated the first-prize winner at the Royal Show, Misty Morning, bred by Mr. Duthle, and sired by Pride of Morning, who is also a son of Star of Morning 'So that these two fine bulls are closely related. Star of Dawn, has been sold for exportation to Buenos Ayres.

Our terms are cash with the order, or if your old belt breaks down suddenly then telegraph us and we will send any belt by Express, C. O. D. The buyer pays the charges in every case.

ADDRES8-

STANLEY MILLS & CO.,

Hamilton, Ontario.



And; English Branches. \$2 A MONTH rays for a College Education at Home. Circular FREE. State subject you wish to study. THE INTERNATIONAL CORRESPONDENCE SCHOOLS Box 900, Scranton, Pa., U. S. A.



We were unfortunate in not being able to see Dr. Sibbaid (through illness) when we called at his beautiful home near Sutton, Ont., pleasanty situated on the shore of Lake Sim-coe. The obliging herdsman showed us over the farm and answered our various enquiries regarding the Shorthorns, which we found in the pastures, and which are an even lot, possessing high dairy qualifications, which always bring their young calves forward rapidly The herd consists of some thirty head of different ages.

C. O. MORROW'S TAMWORTHS.

C. O. MORROW'S TANWORTHS. C. O. MORROW'S TANWORTHS. In the village of Hilton, Ontario, some four miles north of Brichton, on the gravel road, we found a very choice young herd of Tam-worths on the farm of Mr. C. O. Morrow, the foundation of which was obtained from A. C. Hallman and Masters, New Dundee, Ontario, The stock boar. Spruce Grove Model 405, by Briery Banks Hugo 167, and out of Amber Sally 2nd 154, was farrowed in April, 1895, and since his arrival on the farm has been exhib-ited at all the fairs within a reasonable dis-tance in four counties, easily landing the highest honors obtainable, frequently in a stiff competition. He weighs in present form about 800 pounds, and is capable of going much more, carrying even that weight well under com-mand, and standing squarely on his feet, his weight being accounted for in his remarkable depth of body. Hilton Queen 568, by Wolver-ton Chief 327, and out of Birmingham Belle 219, is two past, and suckling a very uniform hunch to Spruce Grove Model; this being her fourth lot. In condition this sow will weigh over 500 pounds, in possession of a good amount of bone, with splendid leugth of body and her substance evenly distributed. Tilly 796, by Sir Nicholas 653, and out of Birmingham Halle 175, is a year old past, and carrying her third litter, due in October. We also saw a pair of mole young six-months sows out of Hilton Queen that have made good use of their time, and which are true models of the hereed. Morrow's Chole 712, by Hilton Hero 509, and out of Henor 703, was purchased from Mr. Bates Brightman her dam being a George-bred www. She is and the in September. Mr. Morrow has also the nucleus of a splendid Cotswold flock is the continues in the splendid Cotswold flock is the continues of the here in has started, and we would be surprised if some red tickets do not fail to him the fail.



TORONTO.

Windsor