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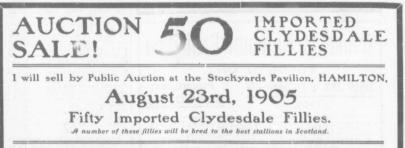
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THE FARMING WORLD



F. W. DREWRY. President.

R. J. HUGHES, Sec.-Treas.



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sioner

A bonus of \$25,000 has been granted to H. K. Wampole & Co., of Philadelphia, by the town of Perth, Ont, to erect a large factory for the manufacture of milk sugar. This is a new industry in Canada, and its development will be watched with interest.

The Farming World

VOL. XXIV

TORONTO, 15 JULY, 1905

A Tribute to Canadian Agriculture K MONG the names on the list of honors to be bestowed on the King's birthday, mone stand out more prominently than that of Prof. J. W. Robertson, late Commissioner of Agriculture for Canada. His Majesty the King has been pleased to make him a Companion of St. Mich. Bel and St. George, an honor which in testimony to Prof. Robertson's perasonal worth and at the same time a splendid tribute to Canadian agriculb

ture. At no previous period in our

history has such an honor been bestowed upon anyone closely identified with Canadian agriculture. It is gratifying. therefore, to know that Canada's greatest industry has been so recognized and that a man so worthy in every way as Prof. Robertson is, has been selected for the honor.

It is nearly twenty years since Prof. Robertson entered upon his public career. Canadian dairying was his first love. But as the years passed his field of usefulness widened and agri. culture in nearly all its branches came under the influence of that indomitable energy and faculty of his for doing things and doing them well. Movements initiated by him are now strong factors in moulding the ag-

riculture of Canada. He aimed at some new movement for the betterment of the farmer's calling being set on foot every year. That his ideal was nearly if not altogether realized, a glance over the busy years since 1890 will show. His recent retirement from government service and his entrance upon his duties at the Macdonald Agricultural College at Ste. Anne de Bellevue, marks an important division in his life. But if a man's past is any indication of what he will accomplish in the future. Prof. Robertson's work in this new sphere of activity will be both effective and lasting. He deserves well of his

King and country. Every Canadian farmer will join with us in extending to Dr. James W. Robertson, C.M.G., our hearties congratulations.

The Cattle Embargo Again

The Toronto Globe of Saturday last attacks THE FARMING WORLD for its attitude on the embargo question. It is, to say the least, funny to have a journal, that has in recent months fathered the "straw-stack," steer to be reading THE FARMING WORLD a lecture on the cattle business. Inmaking cattle breeding and feeding a success.

But be that as it may, the chief reason advanced by "The Globe" for the removal of the embargo is because of the great difficulty which farmers have in obtaining farm help. It says:

11 says: "The outstanding obstacle in their way is the scarcity and high price of labor, and they are forced to content themselves with raising young cattle for others to feed, instead of feeding their own until they are fit to kill."

It is quite evident that "The Globe" is about as far



Dr. James W. Robertson, C.M.G.

deed the "farmin'" editorials which have appeared in "The Globe" during the past year or two have caused no little amusement to the "practical farmer," whose views it claims to represent on the embargo question. Evidently these effusions were the product of a brain whose store of knowledge on cattle feeding is very limited indeed, and might be such as one would acquire by spending a few days with some fourth-rate farmer, whose number we are glad to say is gradually growing less in Canada. We are quite sure that they do not represent the views of the rank and file of our farmers who have and are

astray on the farm help problem as it is on the cattle question. The ma-jority of our farmers engage help for the summer months only, a practice that is neither conducive to permanency nor efficiency in farm help. If farmers would do more feeding and fitting cattle for market in winter they would be enabled to keep their help all the Vear round and would not be compelled to scurry about every spring for men, as many have to do today. Besides, there are the rough feeds, which are grown in abundance on nearly every farm, especially in Ontario. What is the farmer to do with these if he does not feed them to live stock? By engaging men by the year

and utilizing their time in winter in converting this rough feed into finished beef products, the farmer serves the two-fold purpose of finding an excellent market for his coarse grains, etc. and securing steady help to work his land. There are hundreds of farmers today who are not suffering for want of help because they make yearly engagements with their men and find profitable employment for them during th. winter in feeding and fitting cattle for market, and there are many others who could do the same thing if they tried.

The main objection which Canadians have to the embargo is that

No. 14

it implies that disease exists among our cattle, an implication that has not the slightest foundation, in fact, at the present time. If the British government would frankly state the true reason, which is that the embargo against Canadian cattle exists as a measure of protection for the English farmer and not to prevent the introduction of disease, little or no argument could be advanced by Canada in behalf of its removal.

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Is Our Agriculture Over-Organized?

The proposal to organize county societies in affiliation with the parent organization, as announced in the draft constitution of the Dairymen's Association of Eastern Ontario, to be submitted for ratification at its next annual convention, brings up a question deserving of a little consideration at this juncture. Are not those engaged in agricultural pursuits, especially in Ontario, now sufficiently organized to meet all their present and future needs? May there not be a danger of over-doing the organization question if we go on multiplying associations and societies as we have been doing in recent years? Do not our farmers' institutes, agricultural societies, dairy, live stock, fruit and kindred associations form sufficient organization material to carry on all that needs to be done to help the farmer and his calling? Those interested in promoting additional associations should consider these questions carefully before attempting a further tax upon the farmer's time and energy by increased organization.

We presume the object of these county dairy associations, if they are formed, will be to carry on an educational campaign in the interests of better dairying. But why not use the farmers' institute system for this work? It is a live organization and has already done effective work in the interests of better dairying. If dairying is not being given the attention it deserves on the institute program, why not arrange with the superintendent for a series of dairy institute meetings similar to the seed institutes held a few weeks ago. Cooperation in this way between the existing provincial dairy associations and the institute system would supply everything needed to educate the farmer in advanced methods of dairy-

farmer in advanced methods of dairy-ing that local dairy associations would and relieve somebody of a great amount of work which might better be expended in other directions. Organization has done and is do-ing a great deal to promote better agriculture in Canada, and we would not like to see its effectiveness in not like to see its effectiveness in there is a danger of the same time coming sufficient if his time and es-ergy are too greatly taxed in mainergy are too greatly taxed in main-taining unnecessary associations and societies. May it not, therefore, be the part of wisdom to utilize the organizations we now have to their fullest extent rather than to increase the burden upon the farmer by multiplying associations and societies.

THE FARMING WORLD

Mistook Pollen for Midge

Those "who know" are having no little fun over some lecturers at the recent seed recent seed in citutes held in On-tario, mistaking pollen in the clover blossom for midge. One speaker was so sure of his ground that several clover seed growers could hardly get home fast enough, so eager were they get to stem the ravages of the midge by cutting the clover. The lecturer had mistaken the pollen in the clohad mistaken the polen in the co-ver for the destructive clover seed midge, and as no one was there et point out his mistake, there was no little excitement among the farmers present. Another speaker at an in-stitute was misled in the same way, but fortunately was put right by a but fortunately was put right by a person "who knew." White anyone is liable to make a mistake of this is liable to make a mistake of this kind, persons who presume to give information to farmers at institute meetings should be very sure of their ground before giving advice. It is better to admit ignorance of a sub-ject than to lead people astray by giving unreliable information. There were, it is all too true that midge this season. The only way to overcome its ravages is to cut the crop early.

crop early.

EXHIBITION NUMBER The eighth annual exhibition number of THE FARMING WORLD will appear on Serie 1st. This number is FARMING WORLD'S big issue of the year number is FARMING WORLD's big issue of the year and is always of interest to every farmer. The coming one will be equal if not superior to those that have gone before, and we can promise something real good in agricultural jour-

An extra large edition will be run off for distribution at the fall fairs. If subscribers will kindly send the names and ad-dresses of friends who would be interested in this number we shall be glad to send sample copies free of charge.

Advertisers requiring space in the exhibition number will do well to apply to the business office early in order that good positions may be secured.

Pedigreed Seed Grain

Feugreeu seeu vrain The report of the annual conven-tion of the Canadian Seed Grovers' Association, published elsewhere in this issue, will bear careful reading. The association is engaging in a field of work destined to be or untold value to the farmers of Canada if it can be carried out according to the scheme laid down. Nearly two huncan be carried with Nearly two teres scattered fifty farmers scattered are now Can be carried out according to the scheme laid down, Nearly two hun-dred and fifty farmers scattered throughout the Dominion are now engaged in the production of select-ed and improved seed. Already sur-prising results have been obtained. Increased yields and better quality have been the outcome of this effort in nearly every case and there is no longer any doubt that the crops in every locality can be greatly increas-ed and improved by selecting and growing from year to year seed from these same crops. In other words, the farmer does not have to look abroad for change of seed. By care-ful selection, year after year, of the ful selection, year after year, of the best grain from his own crop, he will soon be in possession of a strain healthy and vigorous and

ment and conditions. The Seed Growers' Association and its officers are therefore engaged in a work that cannot but be of lasting

benefit to the agriculture of Canada, and we bespeak for it the hearty co-operation and support of every far-mer interested in good seed. Pedi-greed and registered seed is just as feasible and reasonable as pedigreed and registered live stock, and the advantages to be derived from it will be inst as far-greegehing. be just as far-reaching. .12

Want an Agricultural High School

A deputation from Lennox and Ad-dington waited upon Premier Whitdington waited upon Fremer Whit-ney and the Hon. Mr. Monteith on July 4th, and asked that an agricul-tural farm and school be established at or near the town of Napanee. The Those in close touch with the Gov-ernment seem to think that the re-quest will be complied with at an early date. .12

Editorial Notes

If there were any doubt about the igness of the Dominion, it is rebigness of the Dominion, it is re-moved by the announcement that the total appropriation for the fiscal year ending June 30th, 1906, will equal nearly \$82,000,000 or about \$14 per head of the population of Canada. This country is certainly growing.

After an investigation extending over several months, eighteen repre-sentatives of the packing industries of the United States have been indicted for breaking the laws regu-lating freedom of trade, etc. The consuming public will await with eagerness the result of the trial.

After a prolonged debate of sev-eral months during which a lot of time has been wasted and unnecessary religious strife engendered, the famous autonomy bills have become law and Sept. rst will see two new law and Sept. Ist will see two new full-fledged provinces added to the Dominion. No province has started on its career with a brighter outlook than Alberta and Saskatchewan.

There is some agitation for more strenuous efforts on the part of the provincial authorities to secure a better milk supply in the towns and cit-ies of Ontario. The authorities, whether provincial or civic, cannot be too exacting regarding the quality of the milk supplied for human food. Pure, clean, flavored milk is of more im-portance than rich milk.

"No rust yet," is the remark that brings a smile to the Westerner these days when reference is made to the wheat crop. Estimates as to the yield wheat crop. Estimates as to the yield are mounting higher and higher as harvest approaches. A month ago 90,000,000 bushels was the estimate, now it is 100,000,000. What will it now it is 100,000,000. W

Colorado is to have a seed grain competition similar to the Macdom-ald-Robertson competition so suc-cessfully carried out in Canada a few years ago. The competition is open years ago. The competition is open to every boy and girl in the state under 18 years of age.

Will Meet at Ingersoll

The board of directors of the Dai-men's Association of Western Onrymen's Association of Western On-tario have decided to hold the next annual convention of the association at Ingersoll in January, 1906.

.12

We want capable persons in every district to represent The Farming World at the fall fairs. You can visit your fall show and make a little pin money at the same time. Write for particulars to The Farming World, Toronto. oronto

Farming in Holland

BY OUR ENGLISH CORRESPONDENT-NO. II

THE CATLE OF NORTH HOLLND The great attention paid in Hol-land to the advancement of the dairy hand to the advancement of the dairy butter and cheese, has of late years aroused more interest in the improv-ment of live stock. The cattle are pretty well of one stamp throughout the whole of Holland and Friesland, that is, black and white one. They should not be confused, however, with the Dutch belted cattle. The bave large, well de mulped uddars, which, however, are apt to be a bit fleshy; the buils, too, iack that mas-culine character which an English-man prizes so much. At Hoorn, which is situated on the banks of the "Kolling Zuider Zee," I had the opportunity of personally examining a large number of typical anignal THE CATTLE OF NORTH HOLLAND large number of typical animals drawn from the surrounding neighdrawn from the surrounding neigh-borhood, and good animals they were. May I insert, in passing, that all the pasture is considerably below the level of the sea, and is of a rich and succulent nature. Formerly, only the outward appearance of the bulls use.

further rearing. The societies for cattle rearing are financially support-ed by the committee for promoting cattle rearing in North Holland, while the latter receives a govern-ment and provincial allowance. The committee has a right to control necommittee has a right to control the activities of the societies, which con-trol, as far as it concerns the pro-ductiveness of the cows, is entrusted to the previncial dairy instructor. The further expenses are paid by the members, viz., per controlled cow so much to meet the expenses. As mos-tioned, me 14 realing so federation of rearing societies, which looks after the common interests.

HOW EDAM CHEESE IS MADE

I have already described at some length the principle upon which Gou-da cheese is manufactured, and now I propose to explain how Edam Ga cheese is manufactured, and now I propose to explain how Edam cheese is made in North Holland. Formerly Edam cheese was made twice a day, immediately after the cows had been milked; but this has been altered, and now cheese is made only in the morning. The evening milk is left untouched during the milky liquid then appears, which is called "frostel" (rennet). The cheeses are wrapped up in a small cloth and pressed during four or six hours, and then salted. After that they are put in cheese presses in or-der to preserve the shape. Solving but these to ment the

Salting lasts three to seven days, according to the size of the cheese; after two or hree weeks they are after two or bree weeks they are taken to the market, and are trans-ferred to the cheese merchants. Pre-viously to taking the cheese to mar-ket the crust is olied. The Edam cheeses are made in three sizes. The ordinary small ones weigh two kilos (4) four kinos (8 lhk), and "the mid-dle-sized" (middlebaar), six kilos (12 lbs.)

VEGETABLE AND SEED GROWING

Nound the decayed town of Enk-huizen, once the headquarters of the East India company, considerable at-tention is being paid to the raising of potatoes, cabbage, and vegetable seeds. Enkhuizen itself is a very in-teresting old town. In its palmy days the population numbered about 70-large trade with the far East, where-as now the harbor has silted up, and its trade is gone, the population num-bering only some 6,000, and these



A Dutch Bull

was taken into account, but at prewas taken more account, but at pie-sent attention is being paid to the origin and the productiveness of the dams. In order to further these ef-forts a cattle rearing society was formed at Hoogkarspel in 1897; at present there are 14

CO-OPERATIVE SOCIETIES

working in co-operation. The society working in co-operation. The society appoints a controller, who visits the different farms at regular intervals, in order to weigh and take samples of the evening as well as of the morn-ing milk. Next morning he tests the milk for specific gravity and percent-age of fat, and writes the results on forms specially prepared for the pur-pose. After the end of the lactation period, the summaries concerning the milking faculties of each cow are mulperiod, the sum and a could intradict previous of the sum and a could interval linking faculties of each cow are pub-linked. Where they reach the mini-num as concerns the produced quali-ties of fat and solid matter free of fat, and the average percentage of fat, the cows are registered in a herd book providing they, according to inspection points, have been approv-ed of by a testing committee. The intention is to rear cattle not only good as regards inspection points, but also as large milk yielders. In spring and autumn bull calves descending from registered cows are judged by inspection, and the beas calves get a prize to encourage their

night, and after the small layer of cream that has formed has been taken off it is mixed with the full morning milk and then worked into Edam cheese. In many towns the farmers have established a cheese factory on co-operative lines, but the system of a great variety in the way of making, but practically the process of mak-ing Edam cheese is as follows: The ling temperature-80 to 84 Fahr----thereupon color and remet are add-ed, and also, in most cases, a liquid containing lactic acid bacteria-for instance, "sour whey," "cheese-run-ning whey," or rennet. The sour whey is a liquid whey and contains a "streptococus" which has the pro-perty to turn lactic acid into a sime mid wheo control out forms throads matter, so that the whey turns slimy, and when poured out forms threads. The rennet is the same sour liquid which is also supplied in the cheese and butter-making factory to get the and builter-making factory to get the cream sour. The milk is curdled for half an hour, and then the curdled milk is worked with a curd-stirrer or knife till it has turned sufficiently dry and solid. The curd lump is warmed up to 10 Fahr. in the whey, and then put into the cheese press, sometimes in large lumps, sometimes previously cumbled. In the latter case it must be strongly kneaded. A

A"good Dutch Milch Cow

are dependent upon agriculture or

The cultivation of early potatoes, followed by cabbage (red and white cabbage and caulifower), is general, and by this means, varied by that of vegetable seeds (spinach seed, seeds of the calbage species, radish seed, and horseradish seed), a very large turnover is made, sometimes £34 and

and horseradish seed), a very large turnover is made, sometimes 454 and more per acre. This culture is entirely in the hands of small farmers, who often make a good living on no more than tive acres of ground. It is true that much labor and money are spent for manuring and business expenses, but it pays well. The potatoes and eab-bage are generally sold at public auc-tion marts. At many places in North Holland auction societies have been established for that purpose, the board of which arranges the sales, looks to the exact filling of hampers and sacks, solves the differences be-tween merchants and producers, and settles the account. The year 1904 weas a very advantageous year, as high prices were realized. BULG GROWING

BULB GROWING

Dutch bulbs are known the world over for their good qualities, and they are largely grown in North Holland, principally in the district adjacent to the ancient city of Haarlem. The

15 July, 1905

area under bulb cultivation already area under bulb cultivation already covers 7,500 aeros, and, according to the latest returns, is steadily expand-ing. Hyacinths and tulips are the principal bulbs raised; at present the former is the favorite, and a few years ago there was a boom in these flowers, when as much as figo ster-ling was paid for a single bulb. Tu-lips, too, have had their palmy days, and it is on record that over 250 guineas have been paid for a special variety. Other bulbs raised include anemones, rainneulus, marcissus, croanemones, ranunculus, narcissus, crocus and iris.

cus and iris. The number of cultivators has greatly increased of late years, and the cultivation has extended in the whole district between Haarlem and Leiden. About 1850, thirty export firms were established in Haarlem and locality, a number which has increased to 150. Besides these there are in the bulb trade 2,000 independent bulb growers, who do not ex-port, but regularly sell their bulbs to the exporting firms.

to the exporting firms. The keen demand for land suitable for bulb growing has driven prices up enormously, and now one "cre of good bulb land in the centre of the district will fetch from £300 to £335. The extent of the trade may be judge from the fact that the exports amount to nearly 10,700 tons annually, which means that the exports have doubled

during the last seven years. Bulbs are exported into nearly all countries and parts of the world, and about 70 per cent. of the whole pro-duction is sent to England, the next best customers being America, Ger-ward Ruggia

many and Russia. The success of bulb culture is mainly due to the extraordinary fav-orable condition of soil and climate. The coarse grained sort of sand and The coarse grauned sort of sand and the climate along the inner: downs are exceptionally suitable for their culivation, while the height of the water can be regulated at any time by the regulation of the sluice. drain-ing the polders. Manuring consists mainly of cow dung, applied in large quantities.

With the increase in the trade co-operation has made great strides. In 1800 a general society for the pur-pose of bulb cultivation was estab-tished, and it has at present 30 local sections with agoo members. It owns a newspaper, an exchange at Haarlem, and regularly holds exhi-bitions. There are also special so-cieties for the purpose of looking at bulb growers. The main exportery society has a mutual cash and intel-ligence office, which is in possession of information about more than ago-ooo foreign consumers. 000 foreign consumers.

Rape and What It Will do for the Farmer!

Although we have been favored with an abundance of rain this sea-son, and there is on every hand plenty of good pasture, with every prospect of a good hay crop, yet on prospect of a good hay crop, yet on many stock farms rape might be profitably stock tarms rape might be pro-fitably sown. The comparative cheap-ness of the seed, the excellent re-turns per acre secured, with the ease turns per acre secured, with the ease with which it can be grown on a great variety of soils, and the relish with which it is eaten by all kinds of farm stock, these qualities combine to make this plant one of the most im-portant of our forage plants.

There are several varieties of rape but only one has given satisfaction in Ontario, and that variety is the Dwarf Essex. For this reason, the seedsman, from whom the seed is to be bought should be made to guar-antee it to be true to name. The seed is of a dark purple or black color and can scarcely be distinguish-ed from the seed of the ordinary seed has been sown in mistake for turnio. and the young noists which There are several varieties of rape seed has been sown in mistake for turnip, and the young plants, which resemble young turnips, treated as a root crop until the great development of the leaf as compared with the small spindley root, revealed the true nature of the plant. The seed is very olly, and many varieties of this plant, have been grown as a source for oil. The seed usually germinates in about The seed usually germinates in about ten days after sowing. Fresh seed should always be sown. It is seldom advisable to use seed that is more than three or four years old as the vitality decreases very materially after that age is reached.

BEST SOILS FOR RAPE

DEST SOLS FOR RAFE While the plant gives good returns on almost any soil, the best results are usually obtained from dark rich loams. Stack holls are generally rich in nitrogen, which stimulates leaf growth, and as this is the desired end in rape culture such soils are very satisfactory. One may take it, as a general rule, in the preparing of the land for this crop: that it should be regarded as a root or heed crop. Following this rule, soid should be plowed some time previous to the

sowing of the rape in order that the grasses and roots may become rotted and thoroughly incorporated with the soil so that the cultivation fol-lowing will produce a fine friable seed-bed. Land which has been newthe soil so that the cultivation loi-lowing will produce a fine friable seed-bed. Land which has been new-ly cleared, stumpy land, or in dry seasons, low flats give good pasturage when sown to this crop. Far-mers in this locality who, instead of summer fallowing, sow rape as a pre-paratory crop for wheat, claim that paratory crop for wheat, claim that it does best on land which has never before grown it, and some even go so before grown it, and some even go so far as to maintain that the longer it is grown on the same soil the smaller will be the returns. In order to supply water for the great evaporating sur-face of the leaves, the roots are very numerous and penetrate deeply into the soil. They are more numerous into the soil. They are more numerous in fact, than those of any other of our common farm crops. The effect of these roots is of obvious importance in the use of this crop in preparing land for winter wheat or in fact for any of the shallow rooted crops.

WHEN AND HOW TO SOW

WHEN AND NOW TO SOW In certain rare favored parts of Ontario, rape, it is claimed, may be sown with good results as early as the last lew days in April. How-vince the first warpart of in por-yince the first warpart of in por-ying the solution of the solution of the part of the solution of the solution will generally be pletty carly enough. It is seldom advisable to sow later than the middle part of August. Good pasturage may be counted on eight weeks after sowing. Stock should be turned out with full stomachs and left on when the rape is a good height and the leaves have a bluish cast. Stock may be allowed to feed on it until quite late in the season, as this plant. like its near relative, the turnip, will stand quite a heavy frost. It is most commonly sown broad-

turnp, will stand quite a neary from. It is most commonly sown broad-cast at the rate of 4 lbs. to the acre. Most of our experiment stations, however, recommend its being sown in drills and its being streated as a hoed crop. When sown in this man-ner the drills should be twenty-six in the anear and one pound of seed inches apart and one pound of seed should be used. The drills may be placed wider apart to facilitate cul-

tivation, but the greater the distance apart the less the yield. On most farms implements narrow enough can be secured to do the cultivating when the drills are placed twenty-six inches apart. When sowing on six inches apart. When sowing on low or wet ground it is advisable to sow in ridges while the flat method usually gives the best results on the drier soils. By the drill method of sowing a greater yield can be secur-ed. It has also the advantages of a hard crop in that by the cultivation it receives, moisture is conserved and weeds and insects are destroyed. The weeds and insects are destroyed. The stock where pasturing on it (espe-cially sheep), will follow the rows and as a result there is less of the crop lost by tramping. When sown with grain it is seldom a success. If the catch of rape is goed, with the ort it which have goed, with the ort it which have

been cut with the grain, on account of their juicy nature prevent the ra-pid drying of the sheaves. High cut-ting of the grain, in seasons when straw is plentiful, is more satisfac-tory. Descinition, and the straw is plentiful, is more satisfacstraw is plentiful, is more satisfac-tory. Rape is sometimes sown along tory. Rape is sometimes sown along with the corn at the last cultivation but as the corn field is usually ex-ceedingly dry at this time, and the corn itself so high and leafy as to exclude all sunlight, the rape is sel-dom a success. Even if it can sur-vive these adverse conditions, it is severely treated in the harvesting of the corn. the corn.

AS A FODDER CROP

The uses of rape as a fodder crop are many and varied. It is pre-emi-netily a sheep pasture. A good acre of rape will support from fifteen to eighteen lumbs for two months and give good gains. However, on ac-baen's nuclius which should of the sheen's nuclius which should of the give good gams. However, on ac-count of the omnivercous nature of the shead of a protein which should be ca-ever the best results, it is good pre-cure the best results, it is good pre-tice to allow the lambs to run on some good mixed pasture as well as the rape. The ewes will also do well on this feed during the summer and in the fall may be got in good shape for breeding by the same feed. Nor are sheep the only class of farm stock that do well on this pas-ture; all kinds of young stock, as well as the more mature, make rapid gains on it, but should have other pasture as well. Nearly all steer-leeders regard rape as the best pos-sible feed preparatory to whiter feed

pasture as wen. Averity all steer-leeders regard rape as the best pos-sible feed preparatory to winter feed-ing or fattening. Stock should be turned on with a full stomach, in the middle of the day, and left on. A small amount of clean oat straw or hay is often relished by the stock en on this pasture. When one considers

when on this pasture. When one considers the great amount of pasture yielded by one acre of this crop (an acre of it in a good year will grow about to-12 tons of forage), its great palatability to all kinds of farm stock, the large and rapid gains secured from its use, is not more extensively grown. With the seed of the crop within easy reach of all there is no excuse for the farmer with small or unthrify stock. farmer with small or unthrifty stock.

H. MCFAYDEN. Cardwell Co., Ont.

.18

"The fools are not all dead yet," said the angry husband. "I'm glad of it, dear," calmly replied the other half of the combination; "I never did look well in black."

We want capable persons in every district to represent The Farming World at the fall fairs. You can visit your fall show and make a little pin money at the same time. Write for particulars to The Farming World, Toronto.

The Clydesdale or the Percheron

Live Opinions from Practical Horsemen as to the Merits of these Two Breeds

Percheron His Favorite

Editor THE FARMING WORLD: I have been following with some interest the discussion in your paper regarding the comparative merits of the Clydesdaie and the Percheron. So far, no one except Mr. Ballachey So far, no one except Mr. Ballachey has favored the latter breed. I should therefore like to say a few words in support of the Percheron, and also in examination of the arguments brought forward by those advocating the Clydesule. I shall consider the latter point first. Mr. Smith, writing in your issue Clyde man and is not in a position of June 15th, admits that he is a to give an oninging upon the com-

of June 15th, admits that he is a to give an opinion upon the com-parative merits of the two breeds from a farmer's standpoint. This is a very frank admission, and there-fore when he goes on to say in the next breath that his reading and ob-servation lead him to favor the Clyde, Alr. Brantford friends have had any experience of the two breeds, that it is easy to find some bad Clydes, but very difficult to find any first-class very difficult to find any first-class Percherons, one cannot but feel that Mr. Smith has allowed his enthusi-Mr. Smith has allowed his enthusi-asm for his chosen breed to outrun his discretion and his balance of mind, not to speak of his logic. It is light that is wanted, not heat. Mr. Smith will be given the same oppor-tunity to advocate the Clyde as any Percheron, but it is desirable that both sides keep within same and just bounds.

Percheron, bit it is desirable that both sides keep within same and just bounds. Mr. Thos. McMillan, writing in your issue of the same date, very jairly and moderately advocates the Clyde. Evidently his experience with the Clyde has been happy, or his experience with the Percheron either umhappy or wanting. At any rate there is one argument of his that does carry weight. If the Clyde is in demand as a dray horse, the man who wasts to raise and sell dray horses should keep with the popular breed. Whether or no this touches the question of the relative merits *B TAMM MOSES* each may decide for himself. Dr. Reed's letter, in your june 1st issue, should command the attention of horseme everywhere, because Dr. Markel selter, any apart from a statement of the greater demand for Clydes, the doctor's only arguments in favor of the Clyde are the superiority in the show ring and the alleced necessity

doctor's only arguments in favor of the Clyde are the superiority in the show ring and the alleged necessity of "sicicing to type"-breeding mares with Clyde blood in them to Clyde sires. I doubt whether the show ring test will give the same re-sults as the farm test; and, in re-gard to the second point, the same argument would favor the Percheron if it had happened that most of our mares had a strong infusion of Per-cheron blood instead of Clyde blood. However, Dr. Reed, deserves our thanks for giving his opinion so frankly. frankly. Mr. Robert Ness relates some

INTERESTING EXPERIENCE

INTERSTITUE EXTERIENCE of his French neighbors. It is open to question, however, whether or not this experience is distinctly un-favorable to there was only one Per-cheron sire tested, and it is never safe to generalize from one concrete

case. In the second case, it is more than possible that the poor results which Mr. Ness relates were due to the strong variation from type, so reprehensible in Dr. Reed's opinion. I cannot see, therefore, that Mr. Ness' letter can carry much weight

The experience cited by Mr. J. G. Clark can also be interpreted in sev-eral ways, and is by no means con-

As far as my own experience and As far as my own experience and observation go, I do not lay much stress upon them. The single indi-vidual's experience is, as a rule, so limited, that it would be presumptufoundation. So far as it goes, how-ever, I may say that as farm horses

toundation. So iar as it goes, now-ever, I may say that as it goes, now-ever, I may say that as farm horses to the Clydes. I have not had any pure-bred alth-bred-of both breeds. The Clydes, which use that some that were half-bred-of both breeds. The Percheross were tougher, lighter and more active than the Clydes, which qualities I consider desirable in a farm horse. Six years ago I had some experience with a team of nearly, or quite, pure-bred think. L drove them on a binder for about two weeks, with another na-tive nondescript mare, on a Manitoba wheat field. I never want to drive another team of such sluggish, lum-bering, lazy brutes as those. My own little horses-there is some Percl. gron blood in themi-can do and are bering, lazy brites as these memory of the second s

In this locality I do not think there is any predominant breed, although the Clyde has perhaps THE GERATEST FOLLOWING Many of the Clydes are doubtless splendid horses, and it is quite pos-sible that my own experience with them has been disproportionately un-fortunate. Personally, however, I do not like a big, heavy horse for the farm. I would rather have four

twelve hundred pound horses than three issteen hundred pounders. There is so much of my work-such as scutting, drilling, mowing, cutting grain, running to 'twn with a me-dium load, etc., etc., which requires quickness and aguity, together with endurance, that I do not want any ponderous horses. Others, however, may be differently situated and may have different tastes. They will, therefore require differently built frequers. Each of the source of the horses from these willing, and let horses from the working, and the petition with no *exclusion. Brant/ord, June 27th 1995.

Brantford, June 27th, 1905.

Has Tried Both Clydesdales and Percherons

Editor THE FARMING WORLD:

Editor THE FARMING WORLD: I have read with interest the dis-ression in rof May 20, and 20, I have read with interest the dis-

HAD BOTH CLYDES AND PERCHERONS

My father, some years ago, im-ported and bred both Clydesdales and



Imported Hackney Stallion Income, size Romador, dam by Garton Duke of a tomaught 1 Badgard's used famous sizes. This cold won first in two-rear-old class at Industrial, second at Torvato Horse Show as a three year-old, 1960, with fourth place as stallin test suited to size ourrings horses. Owned by W. C. Quickfull, Glenalian, Ont.

Percherons and had for years several of each breed on his farm at the same time. I therefore consider that this afforded very good opportunity for comparison. One of my father's Pertime. I therefore consider that this afforded very good opportunity tor comparison. One of my father's Per-cheron mares was never beaten in the show ring whether shown against her own breed or against others. This was a preity fair test, at least of her superiority. I might also compare two horses which I myself have optically the state of the state of the superiority. I might also compare two horses which I myself have optically the state of the state of the superiority. I might also compare that I have used. The former was a noble animal with well developed muscles and good legs and feet; in fact I could herd no fault with him except his excitability after a period of idleness. It was a pleasure to work him; no whip was needed, he started on the word and was as wil-ing at night as in the morning. Yot-with anading his high spirits and withstanding hard work. his high spirits and

HIS WELL-SPRUNG RIES

HIS WELL-SPRUNG RIBS were always covered with good firm fiesh, not labby fat which some slug-gish horses have. The Clyde, though perhaps the best worker of an that I have had experience with, is never ready; one has to speak several stream of the set of the set of the are always slack, starts. His lines are always slack, starts, we have the is also stupid, and cannot get ac-customed to street cars, engines, etc., and though he drew a threshing ma-chine for years the sound of escap-ing steam sets him wild. Now, I do not maintain that all Percherons and Clydes are like these two, but my

experience has led me to believe that they are very often similar.

INDISCRIMINATE CROSSING

INDEGNIATIONE COOSING whether of horses or of other ani-mals is foolish. If a man has Clydes it would not, in my estimation, be wise to cross them with the Per-ther, if a man breeds heavy horses for sale, and the Clydes sell best, by all means let him breed them. It think, however, that the Percheron is more likely to mate well with the ordinary mare. I have seen many raw-boned, shaggy-legged, flat-loot-ed horses from Clyde sires, and very few such from Percheron. My father and I have owned some very me half-would think a Percheron Shrintan tross, most ridiculous. But two Shet-land ponies and an Iceland pony on our own farm got with foal to a Percheron colt. Two of the colts made remarkably fine land ponies and an Iceland pony on our own farm got with foal to a Percheron colt. Two of the colts made remarkably fine ponies, regular Percherons, but very little bigger than the dams, and tongh as whalebone. One of them is now used as a delivery horse by a gracer her bar a delivery horse by a gracer her bar and the second second second second bar and the second second second second second bar and second second second second second bar and second seco

him. I am not advocating the Percheron out of sell interest, for I am not a breeder of them, nor are any of my friends. I advocate them simply be-cause, as a farmer, I consider them better than the Clydesdale. Would still like to hear the actual experience clusions drawn otherwise than from such experiment are and to be persuch experience are apt to be pre-

G. M. BALLACHEY.

More Good Advice for the Packer and Drover

Looking for Thick Fat Hogs

Looking for Thick Fat Hogs Editor The FARMING WORLD: 1 am glad to know that you have taken up this very important question through the columns of your paper: "Our Bacon Trade in Danger. The government has spent consid-

The government has spent consid-erable money, as well as some of our packers, in trying to bring the stand-ard of our bacon hog to a more uni-form type. Good work has been done through the Farmers' Institutes and at our Winter Fair, Guelph. A few years ago the drovers made

A few years ago the drovers made a difference between selects, fats and light, but now they are classed all the same to the farmer. Who is to light, but now they are classed all the same to the farmer. Who is to blame for this state of affairs, the drover or the packer? I am inclined to put the blame on the packers. Many of the packers are buying hogs now at a flat rate (.o.b. shipping point. Nearly all the hogs in this section are bought by the drovers without ever secing them till they are land-ed on the secies are build by the pack of the secies of the pack can be able to be pack the secies of the pack can be pack the pack and the pack pack. for large or small (except sows) poor type or good type, the only com-modity we have on our farms that is not sold on its merits.

monoy and navisation officients that is will come the conditions or go back? I am inclined to think the latter. The majority of farmers still have the opinion that there is more money in feeding the short fat hog than the bacon hog. I have found this to be quite universal in my four years on Institute work. On my trip last winter I found many farmers who were raising a good class of hog. quite dissatisfied at the way hogs were them remarked that they would goo back to the fat hog again, as their neighbor who was raising them got just the same prices.

In my own section two years ago nothing but Tamworth and Yorkshire boars were in use. Now many far-mers are driving miles to use a Berk-shire boar or some other fatter breed. Can this sort of thing be continued without injuring the quality of cur bacon trade? We should improve in-stead of going back. The packers ad-mit that they can pay much more for No. 1 bacon hogs. Who should have this extra price? The farmer who breeds and feeds them, or the man who still sticks to the short fat? As it is at present, the latter gets it. man who still sticks to the short fat? As it is at present, the latter gets it. We find at our leading shows where large prizes are given for ba-con hogs that the awards go to the Yorkshire or Tamworths as being suitable for the bacon trade. Then why not encourage the hogs o' best

bacon type and pay the farmer a pre-mium to raise them? Brant Co., Ont. J. W. CLARK.

...

Drovers Hamper the Trade

Editor THE FARMING WORLD:

I have read with great interest the I have read with great interest the discussions in regard to the bacon hog in the recent issue of THE FAMM-ING WORK. The bacon hog does pay and pay well and when I say this I believe I am speaking the estimates the second second second second second The very farmer in the Dominion. The very farmer in the Dominion. The very farmer is the back of the second the second second second second second second the second second second second second second the second seco to zoo lbs. That is the kind of a hog that I have always put on the mar-ket, live weight, although I have never received any more money than those who sold inferior ones. How-ever, I got the well earned approba-tion of the buyer. I do not blame farmers very much. This is a vexed question which should be settled by the packers and drovers.

Let them set the standard and throw all inferior hogs out of the market and the farmer will in every instance cater to the appetite of the consumer. There is a ways a fast and loose game in every trade and the bacon hog trade is not exempt. Every aggressive farmer wants a fair Every aggressive farmer wants a fair and square market price for the right kind of a bacon hog. First class hogs and first class prices are his aim and standard.

The hog industry has been the means of building up the farmer-and it should be the aim and ambition of revery farmer to be one factor in building up the trade and not hamper the industry with inferior graded hogs. The bacon hog trade means much to the farmer. It means ready

tash in pocket. The following are answers to your

The rotowing are above to generative the productions: (a) Found them profitable. (b) Found them profitable. (c) Found them profitable. (c) Found them profitable are set of the profitable and the set of the at their lessure. I feed chopped oats and barley in mess, sloppy food and the by-products of the dairy until I get them growing nicely, when I change food, and feed corn with other feed and roots. I give them factory

transperiods, and route, leave to the wind other feed and route. I give them factory will to thick. The second second second second second good fat producers, I have them ready for market at seven months. A good deal depends on the nature and temperaments of the bogs. (5) Buyers make no difference in prices between the best and the worst, and this is just the idea we are trying to get at, or at least try-ing to teach. The buyers are the men who hanger the trade. On Faxers

OLD FARMER.

Norfolk Co., Ont.

What the Hog Was Doing

What the riog was boing Peter McArthur was telling of traveling down South when he sprung this one. He said that his train had stopped at a railroad sta-tion in North Carolina, and a red-complexioned hog was seen rubbing himself on a telegraph pole.

himself on a telegraph pole. "That hog seems to be troubled with fleas or the mange," observed Mr. KeArthur to a native. "Mange nothing," replied the native to whom the remark was addressed. "That have is a razorback an' he's stroppin' hisself."

A Splendid Time to Visit Western Canada

A openadu Anne to Via Western Canada's Canada On July 20-28 Western Canada's great industrial fair will be held in the city of Winnipeg. This is a most opportune time to visit Western Canada. The very best of its live stock and agricultural exhibits are to be seen at the great fair. In live stock especially the Winnipeg Fair will compare favorably with any other annual fair far behind in some classes. Besides the live stock and agricul-tural exhibits, which interest a farmer no matter where he is from, the exhibiton management, as in the

farmer no matter where he is from, the exhibition management, as in the past, have provided a list of amuse-ment features not to be excelled at any similar exhibition this year. The outing, therefore, will be loth pleasant and profitable, and will give one an impression of the progressiveness of the West that will be lasting. Those who enjoy a godd horse race will ex-perience a rich treat if they visit Win-nipeg Fair.

AND CANADIAN FARM AND HOME

2.

The Grading of Butter and Cheese"

The Views of Practical Men in the Trade

Producer Entitled to Fullest Infor- tricks in the trade, but should act as mation

Editor THE FARMING WORLD.

I desire to thank you for your re-ference to the new classification and standards for cheese and butter.

I certainly think it would be a good I certainly trink it would be a good thing to have these standards adopt-ed all over the country. I have had that in mind all along. I take the ground that the salesman or maker is entitled to the fullest possible information concerning the defects which may be found in cheese or which may be found in cheese or butter. I do not know of any better way of giving him this information than by naving the standards clearly defined and published in such form that they will always be available to those who are interested. The old system of classifying all butter and cheese into either "innest" or "under finest," without any very definite Spatial into either "finest" or "under cheese" without any very definite timese and the statisticatory. The term "under intext" is a very loose and indefinite description, and may mean almost anything. It seems to one that it would be in the interests of the trade as a whole if the vari-ous cheese board's were to adopt the No. I grade as the basis for all sales. The standards have been carefully considered and several conferences were held between the Montreal Pro-duce Merchant's Association and in-

were held between the Montreal Fro-duce Merchants' Association and in-structors for the different provinces. You will remember that this matter was first introduced by the writer at the conference of dairy experts held at Ottawa in November, 1993. A re-solution was read to the convention solution was read to the convention of the Eastern Ontario Dairymen's Association at Belleville the follow-Association at Belleville the toilow-ing winter, and received the hearty approval of the meeting. The reso-lation referred to suggested the adop-tion of three grades instead of two, but did not take up the question of standards. In adopting the standards it was necessary to use expressions and terms which are intelligible and have a definite meaning, not only to the cheese and butter makers, but also to the dealers in these products. I am pleased to note that some of the cheese boards have already adopted the new classification and standards as a basis on which to sell their cheese and butter.

J. A. RUDDICK, Dairy Commissioner.

Ottawa, Ont.

Grade All Export Butter and Cheese Editor THE FARMING WORLD.

Editor THE FAMING WORLD. The grading of cheese and butter is a matter which is certainly of great importance and which I have, for some time past, given considerable thought to. The suggestion made in the editorial section of last week's issue of your paper would, no doubt, if applied, broaden the field of usefulness of the grading standards issued by the Department of Agricul-ture. It seems to me, however, that ture. If seems to me, however, that unless there are some strong objec-tions to it-objections practically amounting to insurmountable difficult ites-we should strive to work to-wards the system of grading all chis would niter only don't purpose some existing evils in our dairy busi-ness, some of what might be termed

* We would be pleased to have the views of anyone interested in this question. A number of letters have been held over for lack of space. --EDITOR.

of cheese and butter to strive to turn out a better article. For instance, if of cheese and butter to strive to turn out a better article. For instance, if one factory were turning out an article of cheese that was being grad-ed as superior in quality and an ad-jacent factory were regularly baving its cheese placed in a lower grace, the latter would practically have to make a choice between doing better work and going out of business. Once the patrons of a factory were to learn that their cheese were tot grading as high as that of their neighbor, and consequently not selling for as much. as high as that of their neighbor, and consequently not selling for as much, they would begin to ask that all-im-portant question, Why? and this would lead to a search for and the location of the cause, after which the remedy or remedies would soon be plying of interior milk to the fac-tory there would be an honest effort on the part of the manager to proon the part of the manager to pro-cure and the patrons to supply a on the part of the manager to pro-cure and the patrons to supply a better quality of milk, and to force careless ones to do better work. If the cause were the factory or its equipment or surroundings, such as equipment or surroundings, such as an unsuitable earing room, unsanitary conditions, or a bad water supply, an effort would soon be made to im-prove along these lines. Again if the trouble were due to the employ-ment of a cheap, incompetent maker, employers would soon learn that this was a penny-wise pound foolish was penny-wise pound foolish policy, and that the best maker pro-curble is the cheapest in the long

ar dairy industry is a national in-try, and we cannot afford to allow any of our factories to turn out an interior quality of goods, and so tend to hurt the reputation of Canadian dairy products. Nothing should be hidden in connection with the work, but rather the fullest publicity should be given. If a factory turns out an inferior article of goods this should be known and particularly should it be known by all connected with the factory, so that defects could be re-medied, and I know of nothing that would help to bring this about more quickly and more effectively than the grading of our cheese and butter.

J. W. MITCHELL, Eastern Dairy School Kingston, Ont. 3

Hard to Work Out in Practice Editor THE FARMING WORLD.

Editor life FARMING WORLD. I have a copy of The FARMING World in which you refer editorially to the standards for grading cheese and butter. So far as I can see there would be no objection and possibly some advantage in having these standards apply to cheese and butter all over Canada, although up to the present, so far as I know, three has standards apply to cneese and outlet all over Canada, although up to the present, so far as 1 know, there has been very little demand for such chief advantage of such standarda is where the cheese and butter are grad-ed as in New Zealand. The difficulty in making these standards apply to all of Canada would be to secure competent men to classify. What one man would grade as No. 1 another might grade as No. 2, and so on. Unless there are competent men em-ployed by the Government, whose judgment could be relied upon, it strikes me that this idea of grading and classifying would be very dif-ficult to put into practice. ficult to put into practice.

H. H. DEAN. O.A.C., Guelph, Ont.

Does Not Favor Grading Cheese and Butter

Editor THE FARMING WORLD.

As a manufacturer of cheese and butter for the last thirty years, I should like to say a few words should like to say a few words chrough the columns of your excel-ient paper with regard to the classi-ncation and standards of cheese and butter which appeared in your issue of the 15th inst.

As a preliminary, I might say that if the grading reterred to is for the sole guidance of the official referee, any criticism as to its merits and its any criticism as to its merits and its practical application to the manufac-ture of cheese and butter would, per-haps, be superfluous; but there ap-pears to be a pretty general opinion that this grading of cheese and butter is going to inaugurate a golden era for those industries, and, therefore, I think that a little criticism of the matter would not be out of place.

matter would not be out of place. First, as to its being of any benefit to the manufacturer or to the dairy-man. Such will not be the case. To prove this, let us take the system of buying and selling now in force. All our cheese is sold, in the first inst-ance, either on the board or private-by as "intest," and if, on impection, rejected. The original transaction is then at an end, and the rejected cheese is made the subject of a new transaction--the buyer offering a price more in accordance with what transaction-the buyer offering a price more in accordance with what be considers the cheese is worth, the seller, of course, being at liberty to accept or refuse the new offer. Here I would say that I know of no in-stance where the buyer refused to give, known to the seller the particular fault or faults on account of which the cheese were rejected.

MANUFACTURER KNOWS FAULTS

The manufacturer was well ac-quainted with all the various faults set forth under the two grades long set forth under the two grades und before any classification was non-before any classification was non-trained by the Dairy Commissioner. Here is of ar as his knowledge of these faults is concerned, he is ro better off than he was before, and, as he is still selling under the same system, derives no advantage from the faults being classified, for the simple rea-son that he has to sell, and rightly so that he has to sell, and rightly so that he ways of the uncert value. so, his cheese at their market value. It might, however, be urged that he now has a more definite idea of what is meant by 'finest', and, moreover, being able to reifer any dispute as to quality to the official referee he does updating to the ideal affective he does being takened so good a chance of being takened so you have a so the buyer. To this it may had a means of redress were any unfar advantage. redress were an unfair advantage taken of him. In short, he could in-voke the aid of the law. As to his taken of him. In short, he could m-voke the aid of the law. As to his having a better knowledge of what constitutes "finest," here is not, I am sure, a cheese manufacturer of any note who has not understood the matter quite as well as the exporter.

WILL NOT BENEFIT DAIRYMEN

WILL NOT MEMBERT DARFMEN Second, as to the grading and classifying benefining the dairyman. This question can also the provide the negatively. Whatever the manufacturer guarantees him the full market price. He is, however, indirectly, and equ-ally with the manufacturer and the exporter, interested in the quality being kept up. Will the grading and classifying tend to a greater produc-tion of nnest or cheese of a better quality? I have no hesitation in say-ing that it will do neither. On the contrary, I think that if it is made

to have any practical bearing it will have a reverse effect. Put into prac-tice it will mean that we shall be making three kinds of cheddar cheese, making three kinds of cheddar cheese, firsts, seconds and thirds. Logically these should be marketed and sold as such, after, of course, they have been graded by an army of Govern-ment officials, and, so as to protect the British buyer, the grade marked on each box. If this be done the rethe British buyer, the grade marked on each box. If this be done the re-tailer will of course be able to dis-erminate but to the consumer they will each and all be Canadian cheese, and if he gets any of the beautiful "thrids" we can be pretty sure what his opinion of Canadian cheese will be. (If anyone has any doubt as to the likelihood of this indiscrimina-ting judging by the consumer, he has only to call to mind "local reputa-tion" to convince him such will be; the case. There is good butter and only to call to envine him for a typical tion" to convine him such wer and had butter miss connection is always "Dorowing the conversion of the "Dorowing conversion". Well, we are sending cheese of poor qua-ity to England now with nothing on the box to show that it is not our best. True, but the importer knows just what he is buying, and finds a market for the poor kind on account of cheapness. He does not, however, yearn for this kind of cheess. On the contrary, he is, through the ex-porter, constantly warning us of the danger of our losing the market if we do not keep up our reputation for good quality. good quality.

MAKE KNOWN INFERIOR CHEESE

MAKE KNOWN INFERIOR CHEESE Once the grading of cheese is put into practice, in the way it is evident-ly intended to be, the manufacture of inferior cheese will have become a marketable fact, and our reputation for making first-class cheese will

a marketable fact, and our reputation for making first-class cheese will rapidly diminish. To sum up. 1 think that the advo-cates of the grading and classification of cheese and butter have misconceiv-ed the practical utility of such a scheme; in fact, have taken a case where grading is of benefit—such as of hides, for instance—and applied it to a case in which the disposition is entirely different. I also fear that some are not free from the wish to make political capital out of it. They are posing as the farmer's friend; they are insinuating that the selfers

The posing as the farmer's friend; they are minuating that the selers among the buyers are as lambs among the volves. (Note the recent agitation about the weighing.) I should like to take this opportun-ity of saying that during the thirty years that I have been dealing with the Montreal buyers I have had little or nothing to complain of a to the farating of my cheese. If a "cut" was rather heavy on a declining market, it was correspondingly light on a rising. rising.

CREDIT DUE EXPORTER

CHERTY DUE EXPORTS At the risk of taking up far too much of the valuable space of your paper, I should like briefly to refer to how and by whom the cheese in-dustry of this country has been built up. Most of the credit is due to the exporter. It is he whot had on are us what kind of cheese and find ready accentance. I doubt to what kind of cheese would find ready acceptance. I doubt the exporter would know-ledge that the manue of the second model, perhaps, take unto himself nuch credit. It has been in the fur-thering of our interest that we have tried to build up a great industry, and the means we have taken to do so are only such as are being used by most business men. It seems to me that it needs only a right understanding of the relative positions of the three parties engaged

positions of the three parties engaged

15 July, 1905



Please mention The Farming World when writing Advertisers.

The Movement for Better Seeds

Farmers Lose by Poor Seed-Insect Pests and Remedies

The second annual convention of the Canadian Seed Growers Associa-tion was held at Ottawa on June 27-29 last. The attendance, though ap last. The attendance, though small, was representative, and a most profitable meeting was held. The association's aim is to bring about an improvement in the class of seeds sown on Canadian farms by means of special selection and breeding. The association has on its roll 240 farmers actively engaged in seed selec-tion. Many of these have been en-gaged in this work for several years, and have demonstrated the value of gage in this work to several years, and have demonstrated the value of this work. These farmers are divid-ed as follows: Maritime Provinces, 54; Quebec, 51; Ontario, 99; and Mani-toba and the West, 42. The associa-tion issues certificates to members who comply with its rules and regula who comply with its thesaft regular tions, and so far have issued 1,230 for hand selected: 1,530 for improved, and 184 for crop seed. "As high as \$2,25 per bushel was paid last spring for certified crop seed in the west," said Secretary G. H. Clark in concluding bic secord: his report. Prof. Robertson, president, in his

opening address referred to the as-sociation as one of the important factors that is making for agricultural progress in Canada to-day. Seeds progress in Canada to-day. Seeds and weeds are the two things that should have the consideration of every farmer. Good crops from good seed and the suppression of weeds would lead to greater prosperity on Canadian farms.

PROGRESS OF THE WORK

The reports of the district superintendents gave a very comprehensive review of the work of the association

tenients gave a very comprehensive review of the work of the association. For the Marithme Provinces F. W. Broderick reported an unfavourable scason in toga owing to drouth. The seed plots were well looked aiter and fairly free from weeds. He advised holding a central seed fair for the Marithme Provinces, and also spring seed fairs and short courses for seed grading and selection. J. C. Cote, for Quebec, stated that fairly and selection. J. C. Cote, for Quebec, stated that fairly have been from selection fairly which were very unre-liable. A leading farmer should be chosen in each district to take up the work. The work of the associ-tion gave good satisfaction. Where-vers seed selection had been tried larger yields and cleaner grain relarger yields and cleaner grain re-

In Ontario, L. H. Newman report-ed that it was difficult to get the mem-bers together. The members must be visited at least once a year to keep up the interest. The scope of the work was practically unlimited. There are many conditions of soil and climate, and hence the need for more varieties. Unless selection was practiced home grown seeds were not always the best, and it was advisable sometimes to bring in new seed. About 12,000,000 bushels were required to sow the annual acreage, and a great deal of this might be very much improved. He advised forming local associations.

associations. Reporting for the West, James Murray stated that since July, 1094, the number of members had increased from 18 to 42. There was great ap-athy in the west regarding good seed. Many farmers sell all their good wheat and hus the screenings or your wheat and buy the screenings or poor wheat from their neighbors for seed. But the better class of farmers recognize the value of good seed. The large farmer of the west often considers it beneath his dignity to bother with so small a thing as a seed Some of the western members of plot take enough care to keep the seed pure.

IMPROVING FIELD CROPS.

IMPROVING PRED CROPS. The chief feature of Tuesday even-ing was an address by Dr. Wm. Saunders, director of the Dominion Experimental Farms, on the introduc-tion and breeding of field crops and the distribution of the seed obtained. The main factors in successful farming were preparation of the soil, plat food, moisture and the swere controllable and some uncontrollable. When the Experimental Farms were established in 1886 it was enacted that they should test varieties of seeds and they should test varieties of seeds and distribute worthy ones among farm-ers. Efforts were at once made to secure varieties of early maturing grain for the more northerly locali-ties. Varieties were sought for, in-cluding shrubs and plants, in all the leading grain growing countries of



Secretary Canadian Seed Growers' Ass'n.

As a rule the varieties the world. or from high levations were not as productive as the best sorts grown in Canada. The crops from the best sorts grown on the Farms were distributed among farmers in small lots. In 1905 42000 samples were distribut-ed, making a total of 500,000 samples in all distributed since the Govern-ment farms were started. Continu-ing, Dr. Sauders asid that the improvement of seed grain could best be brought about by bringing in new varieties, by cross-fertiliza-tin and by selection. Fisher and Dr. H. J. Webber, of Washington, who gave brief ad-dresses. The former amid great ap-plause stated that he believed in the work the association was doing, and that he would set gart \$2,550 in the tributed among farmers in small lots

that he would set apart \$2,550 in the estimates to meet the financial needs of the association for the coming fiscal year.

THE SCOPE OF THE WORK.

THE SCOPE OF THE WORK. Seed Commissioner Clark, in dis-cussing the scope of the work of the association on Wednesday morning, stated that for the present it should give attention only to the work laid down in the constitution, and leave cross-breeding and kindred subjects to experimentalists. He advised the forming of branch associations and the issuing of an annual catalogue giving the names of members who have seed for sale.

COPPER SULPHATE AND FORMALIN.

COPPER SULPART AND PORMAIN. Mr. Frank T. Shut, tohief chemist, Dominion Experimental Farms, took up the action of certain smut pre-ventives on the vitality of seed. Mr. Shutt pointed out that while blue-stone (copper sulplide) and formalin

are the treatments generally made use of, a special preparation—sold under the name of "agricultural blue-stone" —was extensively used in the North-West last year. On analysis it was found that the latter consisted of one-third sulphate of icon. These three preparations, and sulphate of iron as well, were multiple to the second two-thirds sulphate of second the second two the second to the second the effect of each in preventing smut, and the ef-fect also on the germinating power of the second to which the application was made.

In one experiment, in which various lots of seed were sprinkled with dif-ferent solutions, these results were obtained: Seed sprinkled with sul-phate of copper solution showed 73 obtained, plate of copper solution showed ro per cent. of germination. Seed sprinkled with "agricultural blue-stone," which is two-thirds sulplate of iron and one-third copper, gave of iron and one-third copper, gave 80 per cent. germination. And of seed sprinkled with sulphate of iron alone, 99 per cent. grew. In two other experiments with for-

malin, made in different years, the germinating power of wheat was re-duced from 92 to 70 per cent. in one case, and from 100 to 86 per cent. in one another. But while the bluestone and forma-

But while the bluestone and forma-lin were most injurious to the vital-ity of the grain treated, they were also by far the most effective as pre-venting smatt development. There was practically no smatt bluestone; on white either formalin or bluestone; on the other stand, the treatment with duce no effect at all, and the extent of the effect of the "agricultural blue-stone" was determined solely by the proportion of sulplate of copper con-tained in it. tained in it.

It has been found that the addition of lime to bluestone-the Bordeaux mixture-prevents the burning of foli-age in spraying fruit trees, while at the same time the effect of the blue-stone in preventing fungus disease is not thereby lessened. Thinking that the same might hold good in the treatment of seed grain. Mr. Shutt made an experiment in dipping seed grain in lime water directly after it had been sprinkel with bluestone It has been found that the addition grain in time water directly atter it had been sprinkled with bluestone. It was found that this had a very material effect in reducing the injury to the vitality of the grain by the bluestone, but this effect was wholly offset by the lessend effectiveness

offset by the lessened effectiveness of the tradment in preventing smut. Three general conclusions may be drawn from this work. Either formalin or bluestone will be found wholly effective in prevent-ing smut. Equally good results will be obtained by soaking for five min-be dried and sown as quickly as pos-able after treatment, since the longer be dried and sown as quickly as pos-sible after treatment, since the longer seeding is delayed the greater will be the reduction in the germinating power of the seed. Allowance should be made, in the case of treated seed, for the destruction of a quarter to a third of the grain to treatment.

a third of the grain to treatment. Or HORITMO INSECTS. "On the average insect pests collect as their toll to per cent. of all the cereal crops growm." So said Prof. Lochhead in his address on insect and fungus enemics of cereal crops and their treats BL. Blut the farmer cultural methods he can prevent the ravarse of these nests to a very great cultural methods he can prevent the ravages of these pests to a very great degree. These are: (1) Clean farm-ing, destroying all plant refuse where insects multiply very quickly, (2) High culture, vigorous healthy plants overcome insects better than weak ones, hence the need of high culture to insure vigorous plant growth. (3) General farm manage-ment, such as crop rotation. Short rotations help insects; change the crop as frequently as possible. (4) Time and method of plowing, harvest-ing, etc., have considerable effect on unsects. Deep fall plowing is advis-able for the wire worm and white worm. Harvest early for the clover seed midge. Co-operation of farmers is necessary to make this effective. But losses do not end when the crop is harvested. Insect enemies follow the grain to the granary, and to to 20 in harvested. Insect enemies follow the grain to the granary, and to to 20 per cent. of the crop is frequently lost. This loss can be prevented by the carbon bisulphide treatment. Al-low the chemical to evaporate in a tight granary, and the vapor will pass all through the grain, and destroy the weevit. One pound of wheat. Bealum forth with the cause of

Dealing first with the cause of st. Prof. Lochhead said that moist visit, Prof. Lochhead said that more weather was not the cause of the evil, although the disease is usually more abundant in damp seasons. Rust is undoubtedly more prevalent in fields of wheat located near barberry wheat that the propagation of indoubtedly more prevalent in fields of wheat located near barberry hedges, but that the propagation of the disease is not wholly due to bar-berry is shown by the fact that it was found in the West last year, where there is no barberry. One of the greatest investigators had express-ed the opinion that the germ of the disease was in the grain itself, and that the development or non-develop-ment depended upon favorable or un-favorable conditions. As a means of prevention, the development of variefavorable conditions. As a means of prevention, the development of varie-ties which are locally rust-resisting was recommended—a matter of great difficulty, since a variety may be rust-resisting in one section and not in

another. He also referred to the "corn-borer," an insect working in the corn in Kent county, mentioned in THE FARMING WORLD last issue. He re-PARAING WORLD last issue. He re-commended complete destruction of the old stubble and stalks in the fall from becoming worse another year.

BETTER CORN.

PETTER CORN. Perof. L. S. Klinck, of the new Agri-cultural College, Ste. Anne's, Quebec, dealt with corn breeding in the corn belt. The corn belt was the agricul-tural belt of the central and western States. There were y bush, less yield per acre in this belt than in the Eastern States to be observe this crop weas not to increase varieties but to work conducted to improve this crop was not to increase varieties but to develop those grown to suit localities. Stock feeders want more protein in corn. Ordinary corn has too much oil for bacon purpose. There are no two corn plants alike, they are in-initely variable. In Ar Neuman

In this connection Mr. Newman called attention to the serious loss in the corn crop in Ontario by barren stalks—stalks which do not bear cars. In some cases he had found the pro-portion of these running up to 40 per cent. In Illinois this loss had, by selection, been reduced to the vanish-

ing point. Prof. Zavitz, of the O. A C., stated that from samples tested last spring the germination varied from 5 to 95 per cent. The average germination of the corn planted in Ontario would be about 75 per cent. Evidence of improvement in plants

Evidence of improvement in plants by selection formed the topic of a most valuable paper by Mr. Zavitz. We have secured a copy of this paper which we will publish later.

A FARMER'S GOOD WORK.

What individual farmers can do by selection is well shown by the experi-ence of Mr. Donald Innes, of New

Brunswick, one of the successful com-petitors in the Macdonald-Robertson seed competition. Mr. Innes used White File goin one plot applied to a good, because he obtained it from the Experimental Farm, Ottawa. Still, in three years, by selecting from year to year, he increased in yield, of a quarter acre plot by 158 lbs, or a the rate of over eight bushels per acre. He increased the yield of a quarter acre plot by 158 lbs, in the same time. Part of this increase, Mr. Imnes said, was doubless due to gradually improving methods in cul-ivation, etc., but at least two-thirds of the result he attributed to careful selection of the seed from year to year.

year. Fred Kirkham, a farmer from Salt-Fred Kirkham, a farmer from Salt-Ere, ds.a. gave corroborative testi-coats, Ark Kirkham said he had rested, which farming in England, the system of i-hanging seed; he had test-ed since coming ta. Canada the method of electing seed, and his ex-perience convinced him the latter gave much the better results. Midway between the two was the experience of a Quebec farmer, Mr. Davidson, who said he had, in the last six or seven years increased his yield of general farm crops by go per cent, by means of selection. Wednesday evening was given up to an illustrated lecture by Dr. Web-ber, in which from streepolicon views

to an indistrated fecture by Dr. Web-ber, in which from stereopticon views he showed what was being done to improve the cotton and orange crops of the Southern States by selection and breeding.

SELLING THE SEEDS.

SELLING THE SERIES. Mr. S. E. Driggs, of Steele, Briggs Co., Toronito, gave one of the most practical addresses at the convention. Among other things he said: Mem-bers of the association have begun the practical question now before posed of to the best advantage? It would be impossible for each indiposed of to the best advantage? It would be impossible for each inde-valual member to dispose each inde-valual member to dispose each inde-valual member to dispose of his own the difficulty of forming a connection would form obstacles to great to be overcome. There were, to bis mind, two ways only by which sat-isfactory results could be obtained: one was by co-operation on the part of members with a view of selling as a body, and the other by making use of two or three reputable seed houses. Mr. Briggs was of opinion that the latter would be found the more satisfactory way from the fact more satisfactory way from the fact that these houses have brought trainthat these houses have brought train-ed intelligence to the work of selling and have an organization extending from one end of the Dominion to the other for this purpose. If the system of selling through reputable seed houses were adopted, he would suggest that the members formish the seed in sealed packages with the proper certificate attached, and then it would be certain that the seed would reach the user in the same condition as it left the hands of the producer. Mr. Briggs criticised the distribu-tion of seeds made annually from the Experimental Farms, as they cost too much for the good which the country derived from it. Farmers given free seed in this way should re-ceive special instruction how to grow and hadle it in the best way.

PLANTS AND ANIMALS.

Mr. J. H. Grisdale, agriculturist, C. E. Farm, in a well thought out paper, outlined the common principles which underlie improvement in animals and plants. The best seed growers will be found among good stockmen. A balanced ration is best for both plants

balanced ration is next for both plants and animals. In a brief address before the close of the convention, Dr. Fletcher pro-massing the second plants in the second it is best to have the first growth caten off or cut before the middle of June. Sowing at the end of September instead of in August, will help to get rid of the Hessian fly.

will help to get ru or the Leanan-thy. The closing paper was on the best method of giving publicity to the work of the association, and was pre-pared by W J. Thompson, of Lon-don. W. L. Smith and J. W. Whea-ton led off in the discussion.

OFFICERS ELECTED

President-Dr. J. W. Robertson. Vice-Presidents-Prof. C. A. Zavitz, Guelph, Ont.: Messrs. G. A. Gigault, Deputy Minister of Agriculture, Que-bec: John Mooney, Valley River, Man

bee ; John Mooney, Valley River, Man. Securary Tressurer-L. H. New-mission of the security of the security of the security Threates-Fred C. A. Zavitz, Thoa, A. Peters, Frederiction, N.B.; G. A. Gigaalt, Quebec; Thos, H. Wolford, Cardston, Alta, ; Hugh W. Gibson, Woolsley, Assai: W. L. Davidson, Be-thel, Que; Morris Middleton, Vernon, E.C.; Thos, S. Waugh, North Bede-que, P.E.I.; J. O. Duke, Olinda, Ont.; John Mooney, Valley River, Mani-tobs; M. Cumming, Traro, N.S. Geo, Wheaton, Toronto, Ont.; W. L. Smith, Toronto, Ont.; Geo, Batho, Winnipeg, Man; W., Thompson, Lon-don, Ont.; John Readey, Charlotte-town, P.E.I.; L. S. Klinck, Ste. Anne de Bellevue, Que; and Donald Innes, Tobique River, N.B. NOTES,

NOTES.

The proceedings of the convention will be published in full. Farmers in-terested in good seed should write the secretary and secure a copy when ready.

Prof. Robertson announced that probably next year the C. P. R. will (Continued on page 551.)





Look for things to be glad about. In-sist on being happy. It is your duly; it costs effort, but it pays. Happiness comes only through making those around you happy. Get the happiness habit without defau.

38 If I Knew

If I knew the box where the smiles

Are kept, No matter how large the key, Or strong the bolt, I would try so hard-

'Twould open, I know, for me. hen over the land and the sea, Then

over the broadcast

I'd scatter the smiles to play. That the children's faces might hold them fast

For many and many a day.

If I knew a box that was large enough

To hold all the frowns 1 meet, 1 would like to gather them, every one,

From nursery, school and street; hen, folding and holding, I'd pack Then, them in,

If the in, And turning the master key, I'd hire a giant to drop the box To the depths of the deep, deep

sea. .12

At the Carp County Exhibition

(From the Youth's Companion.)

THE day before the opening of the annual fair in Carp County, Gilbert Ware, the nineteen-year-old son of the president of the Agricultural Society, was in charge of the entry books in the administration tural Society, was in charge of the entry books in the administration building. The secretary, who usually attended to the matter, was busy su-perintending the erection of a new band-stand, the old one having at the last moment unexpectedly col-lowed. lapsed. There were seven books open upon

lapsed. There were seven books open upon the long counter in front of Gilbert. Near them a stack of entry tags waited to receive the exhibitors num-bers, the names of their exhibits and the classes to which hey belonged. Each entry-book contained a long list of articles for which premiums were offered with blank spaces for the ex-hibitors' names. It was really a very simple arrangement, and for the first by Gulber the exhibits arrived slow-ov-clock found his table piled high with encumber pickles, crocheted ded-slippers, cut flowers, dresadd dolls, fruit, works of art, cabbages, and canary-birds in cage. A score of impatient exhibitors were demanding exhibition tickets, calling attention to the merits of heir especial brand of potatoes, and near. Some of the mere making pathetic attempts to give names to the articles of fancy work entrusted the articles of fancy work entrusted. "Them by their, womenkind." "The some of the men, please?" "Old Oleson."

"Number two hundred and twenty-five. What have you?" asked Gilbert, writing the name.

"Apples, vinter cabbage, some yelly and yam for my vomans, some sew-ing-vork, some-"

"Hold on! Let's tend to the apples "rst. What kind—Duchess or Olden-burg?" "Yaw."

"They look like Baldwins," object-ed a bystander, "They're Baldwins, aren't they?" Baldwins, aren't they?" Red Astrachans," said a second objector, "I've got some just like "m" * "Well, isk it up with the head of that department. Tye entered "ent hing," "Sewine-york May yoman she-" "Sewine-york May yoman she-"

"Sewing-vork. My voman, she--" "Yes, yes! But what's its name? Is it knitted, embroidered, or hem-stitched. Is it a table-cloth, a rug, or a sofa pillow?" "Yaw, replied the man stat."

"Yaw, replied the man, obligingly, "I must have help!" cried Gilbert, springing up and making for the door, "I'll be back presently." He looked up and down the road. He looked up and down the road, but the prospect was not promising. The working force was inadequate, the heads of the departments were already overburdened, and the fair grounds were three miles from town. There were people enough, to be-sure, streaming in at the gates with more exhibits for Gilbert to enter. but he saw none that were likely to make valuable assistants. Suddenly, however, he caught sight of a girl who was flying up the road on a bicycle with a small parcel dangling from her handle-bars. He recognized in her a class mate, and one of the brightest girls in the high school. "O Virginia," he shouled, "wait a minute!" "Did you call me?" asked the girl,

"Did you call me?' asked the girl, springing to the ground. "Yes. Could you help a fellow that's in a peck of trouble? You don't need to go home, do you? I brought lunch enough for two. Mrs. Bailey is going to make coffee over the pop-corn man's fire, and we're all to have lunch in her building. I need you hooks. The fames with the entry-modes are for a year on a nices of an work for a year on a nices. books. The fancy-work has gone to my brain. I can't see how a woman can work for a year on a piece of sewing and then not know what to call it when it's finished." "I'll do what I can." laughed Vir-ginia, "with the prospect of one of Mrs. Bailey's good lunches to cheer me."

me." "I'm your friend for life!" said Gilbert, lifting the bicycle up the

steps, Virginia promptly separated the sheep from the goats to be accur-ate, the pumpkins from the Batten-berg lace. When the secretary lookale, the purchase the secretary look-ed is an hour later things were go-ing finely, the biles of entry-tags had been materially reduced, and the crowd of waiting exhibitors had dwindled to a few scattered indivi-

duals. "Now, that was a bright idea." said the secretary, catching sight of Vir-



"The City Girl (on a visit to the farm): "Oh, is that a bay fork ? Do the cows eat with that?"

ginia. It takes a remaine mind to grapple with works of art, fancy-work and home-grown preserves. Hope you'll stay right by us, Miss Vorgina "

Virginia worked all the afternoon and promised to return the following morning. She would need to come anyway, she said, to enter some things

In addition to being bright in school the girl was clever with her lingers, and was in many ways un-usually gifted. She panted in water-colors, made per-and-ink sketches, and the walls of her schoolmaies rooms were adorned with her spirited football posters. Moreover, she was skilful with her needle, as many

dandy bit of embroidery attested. Just at that time a certain blue-ik waist marked down from ten to silk waist marked down from ten to seven dollars, was tempting her sore-ly. It was precisely what she want-ed for the Saturday evening concerts; both her mother had shaken her head and said 'Noo, Virgima, it's very hout J can't afford to buy it for yon. Why don't you take some of your work to the fair? The premiums might pay for it."

Why don't you have some or your work to the fair? The premiums "I did hinks of it, but Mrs. Blake "I did hinks of it, but Mrs. Blake donch better that hat a wand do so your the source of the second ones aren't worth trying for." After a day with the entry-books, however, Virginia changed her mind. She had made a mental note of the articles after which only one entry number, or perhaps no number at all, had been placed; and she went home prepared for business. Tired as she was, when she had finished her supper she flew from cup-board to closet, from drawer to shelf, literally from garret to cellar, ga-

literally from garret to cellar, ga-thering up every article she had em-broidered from the time she was first able to hold a needle, every sketch she had drawn, every poster she had painted. Even the doubtful result of her one attempt at preserving went to swell the pile in the centre of her bedroom rug.

The resources of the house ex-hausted, Virginia flew to the garden, candle in hand, and stripped the solicaudie in hand, and stripped the soli-tary, stunted plum tree of two quarts of plums—its entire crop. Those from the sunny side of the tree were tinged with purple; the rest were undersized and decidedly green. Returning to her got label her ex-sat down on the rug to label her ex-

biblts. Her three glasses of straw-berry preserves received new names. The jar in which whole berries were The jar in which whole berries were most in evidence was relabeled "Home-Grown Strawberries." The one containing much broken fruit was marked "Strawberry Jam." Vir-guina removed the cover from the spirate removed the cover from the skitchen, and christened the mixture "Soiced Strawberries." Six plate doilies were connelled to

Six plate doilies were compelled to do duty as a tray-cloth, a specimen of silk embroidery, an embroidered of silk embroidery, an embroidered stand cover, a bureau cover, a pin-cushion top and Kensington em-broidery. The posters, likewise, served as water-color heads, figures and painted panels. The prize for, mere posters was certain to go to mere post-

Mrs. Blake. When she ceached the plums, Vir-tions, divided them into two small clinar, divided them into two small "Bradshaves" and the purple "Bradshaves" unipe ones "Why not?" questioned Virginia, salving her conscience, and packing her exhibits in a capacious basker. "It's just what the farmers do with their potatoes. There's everything

in knowing just how to enter things, there! 1 m done, thank goodness! 111 get Ned Hicks to take this out in the morning, when he takes his Belgian hares."

Virginia was partly right about the potatoes, although so wrong in her reasoning. There were farmers who potatoes, attrong no wrong in her reasoning. There were farmers who certainly made one variety of pota-toes masquerade under various pseudonyms, but their example was not a good one to follow. Virginia, not a good one to toma and very however, was young and very thoughtless. Tired out from an ex-citing day, she went to bed without realizing the enormity of her offense. The next morning Virginia offered The next morning virginia offered

realizing the enormity of her offense. The next morning Virginia offered her neat list to Gilbert, who made the entries without question until he came to a number of articles for the children's department. "How's this, Virginia? You're over sixteen, aren't von?"

"Yes, but I made the things before

"Yes, our "Yes, enter things as correctly labeled as yours are. Only a few of the old exhibitors ever think of making a

Virginia colored, partly with plea-sure, partly with something else. Things were beginning to take a new aspect by daylight. Twenty-four hours later the judges,

Twenty-tour hours later the judges, after a prolonged struggle with thirty-five centrepieces of almost equal ex-cellence, and nine crazy-quilts, so nearly alike that only the owners could hope to tell them apart, turned with relief to an extensive list of articles, each followed by only one two entry numbers.

With only a cursory glance at the articles themselves, the judges awarded the first prize to one number and the second to the remaining one. Owing to the remarkable manner in which Virginia's exhibits had been entered, almost every one of them was awarded either a first or a se-cond premium.

She had not expected such univer-al success, for there had been the chance of other persons making enchance of other persons making en-tries under the same heads. Appar-ently, however, judging from the long line of numbers stretching across the page after the word "dollies," dollies meant doilies and nothing more to most persons.

"My! You took a lot of prizes, didn't you?" said Mrs. Shaw, the su-perintendent of the fancy-work de-partment, tearing pink and blue premium checks from thick paids and handing them to Virginia. "You took some in the art department, too, I guess. You can get these cashed in the administration building. Don't you feel rich?" "Ye-es," sai

said Virginia, "Ye-es," said Virginia, craining the slips into a purse that already bulged with ill-gotten gains from other departments. She felt more rich, however, than She felt more rich, however, than cramming

she did comfortable. Perhaps the money might not have so soon be-come a burden on the girl's consci-ence if Gilbert, who still assisted at assisted at the office, had not, in a spirit of mis-chief, paid out the amount of her slips in twenty-two silver dollars. The weight of them made her bicyskirt sag at one side.

cle skirt sag at one side. Her spirits, too, began to sag cor-respondingly, for, as she turned away from the counter, she heard the se-cretary say, "There isn't an honëst hair in that man Peck's head." Peck, she remembered, had had more va-ricities of potatoes than any one else.

As a reward for her services the first day, Gilbert had given her an official badge, that admitted her not only to the fair-grounds, but to the grand stand. She had counted on



An as \$5 per Acre with improvements. Much land now being worked has held approximately a start of the provide pro-tein the start of the start of the provide pro-sent start. Best church, school and social advant-ger. You is of farming store with ratios, and with the start of the start of the start of the start LaBadWhy, Agr. and Ind. Agt., Norfolk and Western Hy., 100-58, Honanok, Va.

spending a jolly afternoon witness-ing the acrobatic performances and the balloon ascensions, but they no

the balloon ascensions, but they no longer served attractive. Even the blue sky appeared to lose its brillancy. The loud laughter of the people round her jarred on her nerves. She could see nothing funny in the antics of the clown. The wo-man beside her leaned against her knee to talk to a friend who sat at her feet. "Yes," the first woman was saying, "I did hope Katy Perkins would take first prize on that tray-cloth of hers -she's bedridden, you know, and it

first prize on that tray-cloth of hers --she's bedridden, you know, and it took her a whole year to work that piece, lying on her back." "The judges don't discriminate," returned the other woman. "Old Mirs. Cook was counting so on hav-ing her bureau spread take first pre-mium. Twas the only thing she had to send, and she worked terribly had too ged it prised the one the one has a doity." prize wasn't bigger

hard to get it finished. The one that took the prize wan't bigger than a dolly." Virginia flushed. The load in her pocket and the one on her conscience seemed to be growing at the rate of a pound a minute. "I was sure, too," the woman con-tinued, "that Grandma Morse would get something on her strawberries. Get something on her strawberries. berries I ever tasted. The findness went by the loaks, and never onened berries I ever tasted. The judges went by the looks, and never opened the bottle." "Still, you can't blame them." was the reply. "They had ninety-seven (Continued on page 53.)

AND CANADIAN FARM AND HOME

62 THE BOYS AND GIRL

The Two Sides of it

There was a girl who always said Her fate was very hard; From the one thing she wanted most She always was debarred. There always was a cloudy spot Somewhere within her sky;

Somewhere within her sky; Nothing was ever quite just right, She used to say, and sigh. And yet her sister, strange to say, Whose lot was quite the same, Found something pleasant for herself In every day that came.

Of course, things tangled up sometimes,

For just a little while; But nothing ever stayed all wrong.

But nothing ever stays She used to say, and smile

So one girl sighed and one girl smiled Through all their lives together. It didn't come from luck or fate, From clear or cloudy weather. The reason lay within their hearts, And colored all outside: One chose to hope, and one to mope, And so they smiled and sighed.

.5

How to Train Your Pets

How to Train Your Pets Dogs, cats, rabbits, white rats and mice, guinea pigs—all may be taught. Of course the number and achieve-ments of the dogs are always in the lead. Although some trainers sus-gence as dogs, their lack of obdeil-ence renders them far more difficult public. For tricks alone, there is black French poodle. For general intelligence, "humanues," the bull territer stands at the head of his class. The bull dog is intelligent, but too terrier stands at the head of his class. The buil dog is intelligent, but too stubborn to be easily taught. The terrier has much the same tempera-ment. A fox terrier is quick as a flash to understand, but it lacks the power of attention, it is scatter-brained.

brained. A simple trick, such as sitting up, walking on the hind legs, shaking hands or "dropping dead," can be learned by the dog of average intel-ligence in a month at the outside. So many of the tricks involve standing on the hind legs that this is usually the first course. Waltzing, with the standing position. Induce the animal to do the trick; never



force him to do it unless there is no other way. The dog is not placed in a standing position; instead, some-thing attractive is held above him thing attractive is held above him and he unconsciously rises on his hind legs to reach for it. When he is once in this position it is an easy matter to lay an encouraging hand on. his shoulder and show him by the tone of your voice that he has dont the right thing. After the dog has learned to stand follow. Hold he hin of biscuit above his head and teach him to stand there waiting for it as long as it is your

waiting for it as long as it is your pleasure to hold it. Avoid tiring him by imposing on his patience. When

Aerial feats are the most success-ful for animals that climb. Cats and rats climb by nature and may be taught tricks that involve climbing. taught tricks that involve climbing. Rats learn to perform on a trapeze and to walk the rope. A cat in a show was once taught to make a balloon ascension and come down in a parachute. Not even one of its nine lives was endangered by this performance, as it would have failen on its feet. The guinea pig was never made for climbing and all of list tricks must be on the ground. He ance seldom goes beyond the draw-ing of a toy wagon. The sight of bay or carrols will induce him to to this.

do this. Jumping the rope follows simple jumping. The dog or cat is encour-aged to jump for something held high; in time it does this at the com-mand. After this feat is learned, the rope should be swang under it while it is in the air, and over it as it comes down. In time it will associate the cover which the feat rope with the feat.



A pair of Trained White Mice

How to Play "Turtle Race"

A pair of Trail be is in this position move your fin-gers holding the bit of biscuit (or the empty fingers, if he has learned to the empty fingers, if he has learned to the empty fingers, if he has learned to the second second second second fingers more, coaxing him to follow, farther and faster. It is merely a matter of patience and frequent re-petition to induce the pet to whird about in circles, his nose in the air, following the direction of your lead-ing fingers. Every time that he goes, to him the time the command "dancel" will set him to whird away of his own accord. "Eats learn in time to turn somer-sthey are clever at feats in the air. Jumping for a ball, jumping through the arms or over a stek are among their favorike performances.



The dog freezes the family ice cream.

Any number may play, and no onc player is "lt," for all are "lt" to-gether. The game commences by each choosing the kind of turtle he intends to be One, perhaps, is a land tortoise, another a snapper, an-other a muld turtle, and so on. Then they all sit in a row, resting their chins on their knees, and each hold-ing his left ankle with his left hand. This is a very difficult posi-tion to keep. At a given signal the turtles start for a goal a short dis-tance away. tance away.

tance away. It is the object of the game for the turtles to waddle to the goal and go back to the starting point without removing their hands from their fect. Many let go before the proper mo-ment, the others shout "dead turtle" and keep on leaving their unfortu-nate companions in the background. The rules of the game demand that he wait there until the first success-ful racer reaches him on his way back and touches him with his elbow, by which he is supposed to instil new life into the poor dead turtle. The which he is supposed to instil new life into the poor dead turtle. The latter immediately starts out again, and finishes in the best style he can. As there are always several dead tur-tles, he is never lonely in his effort to succeed. The winner is of course. the one who returns to the starting place first.

A passenger on a train, being great-ly irritated by the voices of a drove of children in the same cach, scowl-ed on the woman by whom they were accompanied and exclaimed; "What is this-a family or a picnic?" "These are all mine," replied the woman, severely, "and it is no picnic!"

.12

THE FARMING WORLD



When Baking Cake

No matter how good a recipe you have your cake will be a failure un-less it is carefully baked, and it is sure to fail if it is taken out of the sure to fail if it is taken out of the coven before it is done. It is the easiest thing in the world to tell when a cake is baked enough; press the cake security with the inger and if there is no dent the cake is done. Some old and experienced cooks hold a cake to their car and if they can detect the slightest noise they know the cake needs more baking. One woman whose "angels foods" never fell always kept everybody out of her kitchen until the cake had been in the witchen until the cake had been in the oven thirty minutes. A sudden jan will hurt any kind of cake while in is baking, so the oven door must al-ways be carefully shut. jar

.4 Five Good Ones

A NICE ESCALLOP-Mix together 21/2 A Nice Escalability and together 27-cups each of finely minced ham and bread crumbs; pack in deep patty pan tins; pour in a little milk; break an egg over each and bake in a modate oven. LADY DAINTY CAKES-Stir

erate oven. LAPU DAINTY CARES-Stir to a cream a cupful of fresh or well wash-ed butter; add slowly a cupful of granulated sguar, three eggs, and two cupfuls of finely sitted flour. Mix and roll thin, then cut into small, round cakes. Beat a tablespoontid of powered sugar into the yolk of cakes with it, grate almonds over them and bake a delicate brown. Cutonta. CARE-Gream one cup of sugar with a third of a cup of butter and then beat in two eggs, the yolks and whites of which have been first whipped separately, a cupful of milk in which is dissolved a teaspoonful of soda, and lasdy two cups of flour with two tablespoonfuls of cream of tartar sitted in it. This is an old-time recipe and used for both layer D to a two. id loaf cakes. Dressing for Tomato Salad-Two

"Distance rest Towarto Salabo-Two ergs, one cup whipped cream, one-half lemon, sugar, two tablespoon-fuls olive oil, sait. To the yolks of the ergs, beaten very stiff, add the oil and juice of the lemon very slow-ly, beating hard all the while, until it has all been added and is quite thick. Then add the beaten whiles of ergs, sait and sugar to taste, and whip all together until very stiff mil set on ice until ready to serve. CHERRY PIE-Take enough flaked wheat to make the crust. Add a little salt. Put in just enough milk to moisten thoroughly. Let stand

little salt. Put in just enough milk to moisten thoroughly. Let stand two or three hours. Batter the tin to prevent sticking. Spread the wheat over the pan the same as pie dough. Then set in a warm place, probably on the shelf over the stove-till thoroughly dry. Take out cherries over the crust, then (for meringue) a layer of whipped cream. If made prometry it makes a delicious pie. It the winter evaporated cherries may be used if soaked over night in just enough water to cover. .12

Hints for Canning

I am convinced that for handling fruits when canning or preserving, or anything else where there is dan-

ger of crushing, chopsticks are bet-ter to use than a fork or spoon, either one of which is apt to leave an in-cision. A little practice with the sticks is couvincing.—I. R. D. Having two small beds of rasp-berries, one red, the other black. I preserved and canned them together, other predominating. Only in this way did I have enough at one time to justify working with. When us-ing them our family had a succession of pleasant surprises, as each jar posing them our family had a succession of pleasant surprises, as each jar pos-sessed a different flavor. The red berry lends delicacy to the black, while the black herry offsets the sick-isk flavor of the red, which is so ob-jectionable to some people.—F.A.V. In screwing the lids on my glass fruit jars I find by holding piece of andpaper in my hand it prevents slipping and that jars can be sealed tightly. The same method may be used to unseal the jars. .12

To Clean Coffee Pots

One housekeeper has found something One housekeeper has found something better than the periodical boilings with various cleansing materials in order to remove the dark stains on the inside of the coffee pot, whether it be porcelain lined or of tin. If a tablespoon of sai-soda be dropped in the pot, and boiling water poured over that, a rub with a mop will take off the stain like magic. Rinse out with more hot water, dry thoroughly and your coffee pot will al-ways be ready for the most rigid army inspection and best coffee making. .52

Old-time Buns

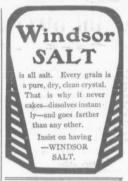
Mix to a stiff batter three cups of milk, one of sugar, a yeast cake (or cup of yeast, as it used to be), and the necessary quantity of flour. Mix at noon necessary quantity of flour. Mix at noon and allow the batter to rise until night, then add a cupful of sugar, one of cur-rants, one of molasses, a teaspoonful of soda, one of nutmeg, one-half tea-spoonful of cunnation, the same of ground cloves. Mix again to a stiff bat-ter, set to rise over night, make into shapes and when baked wash the tops with rew area. with raw egg.

Jellied Cutlets

Put the best end of a neck of lamb in a saucepan with an onion, some bay leaves, pepper and salt, see the lid is fixed on tightly, and set over the fire to braise until quite tender. Take out, and when quite cold cut into neat cutand when quite cold cut into neat cut-lets. Put some gelatine or some sin-glass in some stock, and color a nice dark brown, dip the cutlet in this and put on one side until cold. Arrange them in the middle of a dish and put round some chopped lettuce and toma-toes cut in slices on the top.

Corn starch will remove grease most effectually. Rub a little fresh, dry corn starch into the soiled place, and it will at once begin the process of absorbing at once begin the process of absorbing the grease. Brush the first used off care-fully from the garment, and proceed in the same way with more until the dis-figurement has entirely disappeared.

Order is a beautiful thing in the house, but as a writer in a recent magazine points out, it is not always understood properly. She says: "The order that makes for restfulness and for comfort



is vital. It cannot exist in crowded rooms. Furniture is made to be used and books are made to be read. If the disarranging of a room or the misplac-ing of a book upsets the order some-thing is wrong and that something is the crowded condition. Get rid of the superfluous. Most rooms have too many pieces of furniture, and all rooms have too many things." 38

Love is Catching

No one ever died who caught it; It is wise to have it here, And it lasts if you have sought it.

Do not think to flee away From this happy, blest condition; For the law you must obey, Given by the Great Physician.

Moth Measures

In spite of care, moths are some-times in evidence in the middle of summer in trunks or closets supposed to have been so impregnated with preventatives as to render their en-

The to have been so intricated with prance impossible. A simple and effective riddance is to heat store lids or an iron shoved red hot, pour vinegar on the iron and let the finmes penetrate the crackes which could not have been reached by a powder gun. Moths are particularly fond of new plaster and the settling of the walls of new houses affords them number-les reached by the settling of the walls of the set of the settling of the walls be reached by a set of the settling of the reached by a powder is excellent for ridding walls of any sort of vermin, but the fumes of this are objection-able to many and do not pass off so quickly as these of vinegar.

38

Wisdom of a Baby Neighbors rush in where father fears to tread.

Nothing succeds like crying. He that is down with measles need not fear spanking. What can't be cured must be kiss-

Children should be cleaned, not

hurt.

One bunch of candy makes the whole world kin. A little baby goes a great way in

a night. Parental pride goeth before a

squall. Colic doth make cowards of them

all. They're never too old to learn. Charity covers a multitude of shins (I got twelve pairs of booties when I landed).

15 July, 1905

Health in the Home

The Helpful Bath

If your little child is just recovering from some child's disease and does not from some child's disease and does not grow strong rapidly give him a salt bath. This may be prepared with the sea sait purchased from your druggist or from superior dairy salt. The water must be as warm as possible and a good-sized handful of salt added. Rinse off in clear water and rub until the body is in a healthy glow. The bath should is in a healthy glow. The bath should be taken immediately before retiring.

How to Drink Water

There are few people who thor-oughly realize the value of water as a beverage, or who know how to ob a beverage, or who know how to ob-tain the greatest advantage from it. The effects produced by the drink-ing of water vary with the manuer in which it is drunk. If, for instance, a pint of cold water be swallowed as a large draught, or if it be taken in twee portions where in bore the effect. between, certain definite results fol-low-effects which differ from those which would have followed if the low-effects which differ from those which would have followed if the same quantity were taken by sip-ping. Sipping is a powerful stimulant to the circulation, a thing which or-dinary drinking is not. During the action of sipping the action of the nerve which shows the beats of the heart is abolished, and, as a conse-quence, that organ contracts much more rapidly, the pulse beats more quickly, and the circulation in vari-ous parts of the body is increased. In addition to this, we find that the pressure under which the blie is secreter is raised by the sipping of that. And here is a point which might be noted by our readers: A glass of cold water slowly sipped will produce a greater acceleration of this connection it may draght. In this connection it may draght. place to mention that sipping cold water will often allay the craving water will offen allay the craving for alcohol in those who have been in the habit of taking too much of it and may be endeavoring to reform, the effect being probably due to the stimulant action of the sipping.

Children and Plants

It seems to me an excellent rule that It seems to the an excellent rule that children should never put any leaf, berry or flower in their mouths, says a writer in *Canadian Good Housekeep-ing*. I would not even let them put the harmless rose leaves, lest they make some mistake at a later day and get a petal that is not from a rose. Last petal that is not from a rose. Last spring I saw a lovely little child in his carriage holding five or six sprays of lity of the valley, a flower with some hidden charm that makes all children love it; he had thrust them in his mouth and was sucking them. I said in great alarm to his mother, who walked by the side of his carriage: "Do you know that those flowers are poisonyou know that those howers are poison ous?" She glanced at me with surprise. "Why, they are not poisonous flowers," she answered," "don't you see they are ily of the valle?" I answered earnest-ly: "They are one of the most harmful plants in our gardens. Any part is dangerous, and the flowers the most so. dangerous, and the Howers the moss so. Please take your boy home and wash his mouth and hands carefully and I would send for your physician,⁹ I do not know the result; the child may not have had the flowers long enough to acquire much poison. In England, the set of the state groups wild to acquire much poison. In England, where the lily of the valley grows wild, many cases of acute poisoning have come from it, many deaths.

Sunday at Home

Sacred Prayer

The highest kind of prayer is too sacred to share with any one but God. It is profoundly instructive to study the life of the Lord Jesus to and on the of the Lord years to pray. He could not let his most beloved disciples share his prayers. And this not only because the relation in which they stood to the Father was differ-ent from that in which he stood, but because his average more too down. because his prayers were too deep, too sacred for them to know. When we have learned to agonize in prayer we will not tell our neighbors that we have learned it. But, although we say nothing of it its influence will be felt.

.5 As a Welcome Guest

As a Welcome Guest No one should be discouraged if he has not the consciousness of the abiding Christ, Christ does not abide with flis followers that they may feel glad alone, but that they may feel glad alone, but that they may feel to be our guest; he should be fre-que the told that we are willing to on the told that we are willing to on the told that we are willing to the the other should always be to welcome him into our hearts and to welcome him into our hearts and to ascertain what his will is. If a guest were expected in our how we would make it our pleasure to do those things that would please him. Shall

.12 The Christian Life

we not thus receive Christ?

We get out of our religion just about what we put into it. I believe that unless we become not only hear-ers but doers of the Word, the Chris-tian life will be dwarfed and stunted. tian life will be dwarfed and stunted. The way to build up one's self in our most holy faith is by giving one's self unsellishly for others. It is the duty of Christians to be mutually helpful. Jecus said, "A new com-mandment give I winto you, that ye love one another." Paul says, "Bear ye one another's burdens, and so ful-filh the law of Christ." James calls Christians should be mutually helpful because of the corranic rela-

helpful because of the organic rela-tionship they bear to one another. They should be mutually helpful because each one needs help and should

cause each one needs heep and snourd give help. We have a splendid example in the great Burden-Bearer, Jesus Christ, our Saviour and Lord. He came in-to this world not to be ministered unto but to minister. The Christian should be helpful to

the Christian should be helpful to others because of what it does for his spiritual joy and upbuilding. You know that those persons that are serving in this way, in our churches and in our homes and business places, are growing in grace and in the know-ledge of God their Saviour, as they grow in days and years. .12

At the Carp County Exhibition

(Continued from page 534.) (Continued from page 534.) glasses of crab.apple jelly, they say. Twould probably kill em if they tasted everything. I didn't get any-thing on my strawberries, either." The unwilling listener rose hastily and changed her seat. She did not like the neighborhood. The new one,

have the megnborhood. The new one, however, proved no better, for she had seated herself beside a girl of about her own age, who was trying, but vainly, to soothe a younger sis-ter sobbing against her sleeve.

"What's the matter?" asked Vir-ginia, sympathetically. "Has Susie been hurt?"

"She didn't get any prize on her doll's wardrobe," said the girl. "She did every stitch herself, and there's little flecks of blood all along the seams, where she pricked her fingers; seams, where she pricked ner nugers, but there were two other dolls; I guess one of them was dressed by a good deal older girl, though." It certainly had been dressed by an older girl. Virgins's path, clear-by, was strewn with victims. It had not neered to her that she was

1y, was strewn with victims. It had not occurred to her that she was robbing other persons in that whole-sale fashion. The weight in her poc-ket was becoming unendurable. How could she wear a blue-silk waist pur-chased at such a price? Suddenly Virginia brightened. Get-ting up hasily, she wormed her more than the state of the state of

ting up hastily, she wormed her way through the crowd, walked swiftly along the broad sidewalk, and ran u the steps of the administration build ing. As she had hoped, she found Gilbert practically alone, for the en-

Othert practically alone, for the en-ergetic secretary, worn out with his char upped back against the wall, "Endert," said Virg'nia, hastily "biblert," said Virg'nia, hastily son a scrap of apper at het victims take back part of this money, make out premium checks for these four persons, and tear up the correspond-ing ones issued to me."

"That isn't quite regular," said Gil-"That isn't quite regular," said Gil-bert, "but I've had several applica-tions of this sort, and there's a way to fix it." "What happens when people fail "there remiums?"

"What happens when people fail to claim their premiums?" "Oh, the money stays in the trea-sury. See that box? said Gilbert, pointing to a tin box with a slot in the top. "Some folks exhibit just for the good of the fair, and put their premium slips or their money in

there." "Have you seen the balloon go up?" asked Virginia, abruptly chang-ing the subject. "No. Haven't had a chance. Father's kept me hustling." "It's fine," said Virginia. "Go to the door and see if it isn't going up now. The man was getting it ready when I came in. I'll sithere in your chair and keep house for you?" The unsuscention Gibbort cases with

The unsuspecting Gibert rose with alacrity. Virginia waited until he had rounded the corner before she had rounded the corner before she dropped her remaining dollars, one by one, and as gently as possible, in-to the tin box. They made a horrible clatter, however. The sleeping seby one, and as gently made a horrible to the tin box. They made a horrible clatter, however. The sleeping se-cretary opened one eye, but seeing what Virginia was doing, closed it again.

"Conscience money," thought the secretary. "Took adavntage of the entry-books and wishes she hadn't. Seen 'em do it before, but never knew 'on to recent' 'em to repent." "Here," said the superintendent

the fancy-work department, handing

The face, said the supermittenent of Virginia 3 blue slip, as the girl, in a far happier frame of mind, was em-erging from the building. "I over, looked one of your checks. It's for that pretty handkerchief you entered Monday noon. There were nine, but yours was the best." Virginia pocketed the two-dollar check almost gleefully for she knew she was honestly utilie for the Ae-cretary rubbed his eyes and said, "By the way. Miss Virginia, the associa-tion owes you about five dollars for your services. Give them to her, Gilbert." your services. Gilbert."

On her way home Virginia passed the store window containing the blue waist. It was still there; she had money enough to buy it, but the cov-eted waist had lost its charm.



May Manton's Hints TUCKED BLOUSE WITH POINTED YOKE, CLOSED IN BACK 5084

COSED IN DACK SOR COSED IN DACK SOR The blouse that closes at the back is a favorite for the funct, daintier materials and unquestionably allows of greater variety of treatment than is possible for those that are closed at the front. This one is made of white lawn with trimming of Valen-ciennes lace insertion and is in every way attractive and desirable. The pointed yoke is a novel feature and the tucks are arranged in groups that alternately are full length and part length at the front, so giving a quite novel effect. The lawn and lace make a combination that are both fashion-able and desirable, but there are combination that are both fashion-able and desirable, but there are combined to tuck is appropriate for the blo to tuck is appropriate ond cuffs can be made the yoke and cuffs can be made the yoke and the stat consists of the front. The waist consists of the front, while the neck is finished with a standing collar. The aleeves com-bine golar. The sleeves com-bine golar. The sleeves com-bine golar. The yoke the trim-ming.

ming.

BOX PLAIT SKIRT 5082

DOX PLAT SKHR 5082 The skirt that clears the ground gains in favor week by week and month by month and is constantly appearing in new forms. Here is one of the very latest that is made to take graceful folds below the straps, which are applied over the plaits and seams for a portion of their length. The model is made of white serge, simply stitched with belding site, but it is one of those thoroughly useful ones that can be made available for al-most every seasonable material. For



5084 Tucked Blouse, 5082 Box Plaited Skirt, 32 to 42 bust. 22 to 30 waist.

immediate wear, it is much to be de-sired in linen and other washable fabrics while it also suits silk and wool to a nicety.

The skirt is cut in nine gores, there being a box plait in each side and back gore and also backward turning back gore and also backward turning plaits at each seam, which are formed by extensions below the straps. The trimming straps are of graduated lengths so providing the fashion-able line that is longer from the wate back.

BOY'S RUSSIAN BLOUSE 5083

There is no garment that suits the active young lad better than this one. It is absolutely loose and comfort-able and allows him to climb and play to his heart's content while it is becoming, tasteful and satisfactory

to the looker-on. In the illustration the material is percale, but many others also are suitable, white be-ing liked for those of afternoon while color is preferred for the blouse of harder usage. The pocket at the leit of the front means both style and grafification to the young wearer and the sleeves are the new ones that are tucked at the wrists, but made to allo on and off and which are closed with buttons and buttonholes. The blouse is made with fronts and

The blouse is made with fronts and back and is simplicity itself, being shaped by means of shoulder and un-der-arm seams. There is a narrow



Blouss, 4 to 12 years

standing collar at the neck and the closing is made well over to the left in conformity with the Russian style. MISSES' SAILOR BLOUSE SUIT 5080

12 to 16 years.

There is no costume that suits the active young girl better than this one made in the favorite "Peter Thomp-son" or regulation style. It is son" or regulation style. It is martin effect, girlish, and very gen-erally becoming while at the same time it allows perfect freedom and actime it allows perfect freedom and ac-tivity. In the illustration the dress is made of dark blue serge with the collar and shield of white and band-ing of black over white, but the mo-del is a favorite one for linen and similar washable materials as well as for serge, fannel and the like, and it is correct in white as well as in color so that many variations can be made. White flannel and white piqué are peculiarly charming for the scal made. White namel and white pique are peculiarly charming for the yeal warm weather, and while they have the disadvantage of soiling readily, also can be cleansed easily and suc-

The dress consists of the blouse and the skirt. The blouse is drawn on over the head, there being only on over the head, there being only a slight opening at the front, and is finished with a big sailor collar, be-neath which the shield is attached. It can be faced to form the yoke or left plain as preferred. The sleeves left plain as preferred. The sleeves are the favorite ones that are ga-thered at the shoulders and tucked at the wrists. The skirt is cut in seven gores and is laid in a olait at each seam, which is stitched for a portion of its length, pressed into position below.

The price of each of the above patterns postpaid is only 10 cents. Send orders to The Farming World, Morang Building, Toronto, giving the size wanted.



Nature About the Farm

BY C. W. NASH

NIGHTHAWK-WHIP-POOR-WILL

The other day I was asked by The other day I was asked by a correspondent to explain the differ-ence between a whip-poor-will and a nighthawk, my correspondent stat-ing that in his part of the country people could not distinguish one from the other, and that many be-lieved the two species to be identical. lieved the two species to be identical. I am under the impression that this is the prevailing belief throughout the country, but it is a mistake, the two birds being quite distinct. Of course, as they are closely related, belonging in fact to the same family, they possess certain peculiarities of construction in common, and by rea-son thereof, there is a certain general resemblance in their mode of life. In this family of birds the mouth is highly specialized to enable them to capture their food when flying, the highly specialized to enable them to capture their food when dying, the gape being enormously wide, while the beak proper is very small. The plumage of our species is peculiarly soft in texture, much marbled and nottied with black, brown, gray and yellowish white, the combination forming a splendid example of pro-testive coloration. Their wings are long and powerful, well adapted for sustained flight. The legs and feet are very small and apparently feeble, yet they can run rapidly for a short distance on bare ground. On the middle toe is a curiously pectinated claw, the purpose of which has not yet been positively accertained, though the Rev. Gibert White, of Selbourne, writing of the English species, says: 'I saw it distinct more than ow put on by a bend of whe is deliver isomething into the nouth. If it takes any part of its prey with its foot, as I have now the errelast reason to suppose it dars whi's on the wing and by a bend of the 1. d deliver something into the mouth. If it takes any part of its prey with its foot, as I have now the greatest reason to suppose it does, I no longer wonder at the use of its middle toe." The pectnated claw, however, may serve other purposes besides assisting in the capture of prey. Both our species usually rest upon the ground, though occasion-ally, and particularly affer being dis-turbed, they will alight upon the branch of a tree. In such cases, as they sit close and lengthwise with the limb, they are apt to be mistaken for a knob or some excresence of the bark and so readily overlooked. No nest is ever constructed by either species, the eggs, two in number, be-ing deposited on the ground in The combine that of their surroundings as to render it almost impossible to discover them, unless the sitting bird happens to be flushed.

NIGHTHAWK

NIGHTMAWE The name of this species is rather misleading. It is not exclusively a bird of the night, nor is it even re-motely connected with the hawk tribe. On cloudy days, and even in bright weather, just before its de-parture at the end of summer, it may be seen flying at any hour of the day. During the hottest part of our sea-son, however, it generally rests in-active until about sunset, when it starts out on its aerial hunt for flying insects. insects.

insects. The plumage of the nighthawk above is curiously mottled with black, brown, gray and tawny, the black predominating; below from the breast to tail it is barred with blackish on a pale reddish gray, or nearly white, ground; tail blackish, with pale cross-bars and a white spot on all the fea-thers towards the end, wings dusky, with a patch of white on the five

outer primaries. Throat of the male with a large patch of white. In the female the white of the tail is wanttemaie the white of the tail is want-ing and the white patch on the throat is replaced by tawny. When flying the white wing patch is very distinct and renders these birds easy of iden-

Its range in Canada extends from the Atlantic to the Pacific and three arrecords of the Gardeg N. on the Yukon river. It is not a very early migrant, rarely reaching Southern Outario before the fiftcenth of May. or Southern Manitoba before the twentieth, nor does it stay late, the majority leaving early in September, though I have occasionally seen straggiers up to the twenty-fifth. When migrating, the mighthawk tra-vels very rapidly, its average speed when going northward in the spring reaching thirty-lour miles per day. This high rate is attained by birds of this class probably by reason of the fact that they are not compelled to arrest their progress in order to Its range in Canada extends from the fact that they are not compelled to arrest their progress in order to feed. On the return journey in the autumn they do not seem so hurried, but rather appear to loiter along, feeding as they go, though always well ahead of the first frost. They spend the winter south of the United States and find their resting ground and summer haunts north of 37 deg. North latitude. Soon after the brids here or bleir settin and mating Norm initiale, boom after the online beermonies of contribution and maining begin, and are carried on partly in the air and also upon the ground. Early in June, 188a, in Manitoba, I was fortunate enough to witness the proceeding of a pair of nighthawks both of which were so much absorbed in their own affairs that they paid no attention to my near approach, was at the end of some scrub evi-dently where an old campire had been made. About this open space the made strutted, posturing most gracefully before his mistress, re-minding one somewhat of the antice The main strutted, positiving most the male strutted, positiving most gracefully before his mistress, re-minding one somewhat of the antics of a male, tame pigeon, when similar-ly engaged. After a time they both flew off, the male in close pursuit of his, mate; in wide circles they mounted almost out of sight, utter-ing continually the peculiar shriek which is their usual note. Suddenly the male dashed downward thirty or forty feet, and as quickly turned and point of the curve, he produced the strange, hollow booming sound, which is difficult to describe and not easily explainable. Some naturalists suppose it is caused by the action of the open mouth of the bird and it is quite possible that this is correct, yet it should be remembered that the European goatsucker, a closely related species, also utters a peculiar whiring sound when perched upon doubted by produced by the bird's vo-cal organs. During the mating sea-son and while the female is sitting, these aerial performances may be writessed on any evening in the lo-calities frequented by nighthawks, but after the yong are hatched they gradually cease and the bird's only make their presence known by their but after the young are hatched they gradually cases and the birds only make their presence known by their perpetual harsh scream. No nest is made, the two eggs, dull buff, much mottled with brown, slate and iliac, being deposited on the bare ground or the turf in an old meadow. A very favorite place is a cultivated field, after it has been harrowed. O' late years the birds have frequently

been found resorting to the flat gra-vel roofs in cities. When the eggs or young are approached the parents display great anxiety and will tumble the ground before the intruder, feigning lameness and using many devices to induce him to fol-low them and leave their treasures. It has frequently been said that when It has trequently been said that when either eggs or young have been dis-turbed, the old birds will remove them from their orginal site to a place of safety. I have never seen any evidence of this, but have often seen newly hatched young ones run off when touched, or even closely ap-proached; they will run quite randy for a faw walcand them seen the for a few yards and then squat like little partridges, trusting no doubt to their protective coloration for con-

The food of the nighthawk con-sists entirely of insects, most of which are captured and devoured while the birds are on the wing. At times, however, they undoubtedly feed upon the ground, for their stomachs have been found filled with crickets, grass-hoppers and crawling insects of vari-ous kinds; these are probably taken t times and in abserve the store and in a ous kinds; these are probably taken at times and in places where espe-cially abundant, so that the birds are not required to travel much in order to obtain them, for though the nighthawk can run rapidly for a short distance upon bare ground, its short legy, weak feet and feeble bill would seem ill-adapted to the pur-poses of a bird which habitually fed upon these active inhabitants of the fields.

upon these active inhabitants of the fields. Of late years nighthawks have be-come much less abundant than they used to be, probably because they have been largely destroyed by an ignorant class of so-called "sports," will a whether test shooting at a large wild whether test shooting at a large wild whether so they much and the hom when killed or not, and as the nighthawks only produce one broad of two young in each season, their exterminative was formerly done in the United States, but as that country now has stringent laws for the pro-tection of these and other valuable insectivorous birds, we may hope to see their numbers increase. Soon after the middle of August they begin their migration towards the south when they may be seen so the south when they may be

leisurely as they work their way to their winter home; occasionally one will swoop down and produce its booming notes, but as a rule only the eternal scream is heard as they pass over.

In our next issue I hope to give illustrations of both nighthawk and whip-poor-will, so as to show the distinguishing marks of both.

Fruit Prospects

Fruit Prospects The Fruit Division, Ottawa, has published its regular report on fruit prospects of date, June 27, 1905. Fav-orable conditions for fruits of all kinds continue on the whole most ex-cellent. Early fruit suffered in some districts from late frosts. In apples every indication points to a medium to full crop in the Maritime Provinces except for early varieties, which do not promise more than a light crop. A medium to full crop is the prospect for most sections of Ontario. Pears and plums promise an excellent crop. Allowing for the winter killing of tigos and 1903, the prospects for peaches are very promising. The in-dications are that cherties and bush fruits will be an abundant crop in nearly every district. The late frosts injured the strawberry crop in some places. places.

In nearly every district more spray-ing has been done this year than ever before. The English apple crop, ac-cording to late advices, will be a short

B. C. Fruit Lands

B. C. Fruit Lands The members of the British Col-umbia Fruit Growers' Association re-cently visited the fruit and prospect-ive fruit areas in the interior of that province. While there are many seed fruit of heart's all kinds to of pro-duct and the second second second fruit of heart's all kinds to of pro-duct and the second second second fruit of heart's all kinds to of pro-duct and the second second second fruit of heart's all kinds to of pro-duct and the second second second fruit of heart's and kinds to of pro-duct and the points visited in the Pacific province is therefore immense. Some of the points visited in the fevent trip are Enderby, Vernon, Ke-view, Summerland, Peachland, Arm-strong, and other places in the Okanview, Summeriand, Peachand, Arni-strong, and other places in the Okan-agan country. The trip was an eye-opener to many who had seen these points for the first time.

Commuting Statute Labor a Success

Commuting Statute Labor a Success The fourth annual convention of the Eastern Ontario Good Roads As-sociation was held at Brockville on Jane 28th and 20th. There was a fairly large attendance. In the ab-sence, owing to illness, of Mr. R. Cummings, of Ottawa, Mr. J. C., Bredley, Mr. Cummings' address, which was read by the secretary, showed that the association had

made rapid progress since its incep-tion. When the association started not a township east of Kingston had not a township east of Kingston had commuted statute labor, and not a township or county council was con-structing cement culverts or even knew how to construct them. Now township or county council was con-structing cement culverts or even knew how to construct them. Now fully one hundred municipalities are using concrete culverts exclusively. Teday over half, the townshifts ar-tic system of the townshifts are the labor and are delighted with the plan. Mr. D. Bonis, of St. Mary's. Out, in dealing with the commuta-tion system, condemued it as it dis-criminates between large and small holdings. For instance, a man who is assessed for \$1,200 does three days statute labor, while a neighbor on an adjoining lot for say \$1,200 is liable to four days, the line fixing the mor-mer amount, and an increase of \$4, entailing an additional day's work. So inconsistent and unfair is the working out of the statute labor sys-tem that it is generally conceded by those giving the matter considera-tion, that the only equitable adjust-ion on the basis of statute labor justice of the old system. Mr. Bonis contended that all the disbursements for roads should be taken from a general fund set apart for the local invorvements, an equal rate being invorvements invorvements invorvements invorvements invorvements invorvements invorvements, an equal rate being invorve assessment.

Mr. A. W. Campbell, Commis-

sioner of public works for Ontario, in an address; referred to the statute labor system as follows: Commutation has already shown that it accomplishes better results than statute labor. In the latter there is a kind of double transition in labor and cash. Commutation as nam statute labor. In the latter there is a kind of double tax.ion in labor and cash. Commutation at even 50 cents a day will on the aver-age accomplish more than can be done by statute labor. Statute labor on account of its inefficient placing of the burden equally upon the ratepay-ers has in many cases placed a pre-mium upon idleness and indifference. With the amount of money expended on statute labor during the last ten years in many of the counties, the whole of the roads in those counties might be macadamized throughout. He contended that road building should be let by tender and carried on in a buisnessilke mamer. He said that a system capable of finishing bor must and can be evolved the will result in the statute labor law being ennirely oblicerated.

Mv. James H. Macdonald, Highway Commissioner for Connecticut, and several others addressed the conven-

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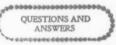
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The Farm Cream Separator.

The Cream Separator for farm use is here to stay. It has proven its utility, and we want to impress upon those of our readers with milch cows within and we want to impress upon those of our readers with milch cove of its undiputable datamatages. In any cases it would be more profit-ple to sell one of your cows to pay for a separator rather than do with-out one. For we know of instances wave found that a cream separator another cow would and remem-ber that this profit kept right along with the seo of the separator. You would have to pay for the keep of the extra cow, but the separator makes that this profit kept right along with the use of the separator. You would have to pay for the keep of the extra cow, but the separator makes the the second the second that the second that the cream trade laws be the second that the second would have the second that the second would have to the second that the second would have the second that the second that the second that the second would be show the second the second the second stock when warm and the profit from this by-product of the second stock when the second that the second the second stock when the second the second the profit from this by-product of the second second the second second the second second second second the second stock when the second seco

their herd, and may be contracting a whole lot of trouble in the cold sour lot of mixed skim milk brought home from the creamery. We certainly advise our readers to purchase a

crean separator. In looking at a separator, pay care-inl attention to the construction of its operating parts. A cheap separa-tor, like other cheap apparatus, gives cheap service. A well-made machine will wear for years, soon saving its cost over the old skimming methods by the increase it makes in your product, and the profit continues after the machine has already paid for it-self. Be sure the same paid for itduct, and the proint continues after the machine has already paid for it-self. Be sure the separator you buy is a clean skimmer. It is prodent to coack or the reliability. The Vermont Farm Machine Co., Bellows Falls, Vi., manufacturers of the famous United States Cream Separators, that hold the world's record for closest skimming, have applied to the sepa-rator problem a successful manufac-turing experience of over thirty years. Any of our readers may obtain from them a handsome little book, entitled "The Dairy," which contains highly profitable information for every farmer milking cows. Drop them a post card for one. post card for one.



Lame in Hind Leg

Lame in Hind Leg Horse in good condition, eating and reduce well, is anddenly aken hanc in the second and seem to be in great pair for an hour or two and then go off all right, but when put to work soon goos lame again. When you have a second the second second traken will sweat profusely but dries off as pain ceases. No swelling. A disease of the large blood vessels connect with the main trank of the body will produce the symptoms noted. A prolonged rest will be the best freatment for him, so you might as well turn him out on the grass for a month or two.

.1 Worms and Bots

Please publish remedies for worms and bots in horses.-Subscriber, Ontario.

Worms in horses may be got rid of by first starving the horse well for of hy first starving the horse weil for twenty-four hours, during which he should get only water. Then give two drachms santonin, two ounces turpentine, and one pint lineed oil. This is for an average sized horse of say 1,400 lbs. weight. Vary the doze to suit fighter or heavier difficult or dislodge unless near the time for their anneal miteration in lune when they dislodge unless near the time for their annual migration in June, when they naturally leave the horse to go through their mctamorphosis into a winged fly. At this time they can be removed by a simple purgative, while at other seasons it requires very powerful drugs to dislodge them. Carbon bisulphide is used for this purpose, but should be adminis-tered by a skilled practitioner.

. 38

Injury to Shoulder

While driving about a month ago mare stubbed her toe and was unable to move for several hours. She will get partially over her lameness and president & politics when they walk of the willing A best term

then get bad again. She has slight swelling about top of shoulder blade. Please give remedy for colt that scours,-E. F. C., Nova Scotia. 1. You had better blister her over

 You had better birster her over the swollen part and give her a good long rest. 2. The colt that scours should get the following: Bismuth subgallate twenty grains, salol, ten grams. Repeat every four hours until scouring ceases. .1

Gives No Milk

Young cow, calved a week ago, second calf, in good condition, and is fed plenty hay with bran and fed twice a day, but does not give any milk. What is the cause and is there anything to do for it?—Subscriber, Or

Ont. A case of this kind should be taken hold of at once or there is not much chance of getting any flow of milk. Let the calf suck the cow, feed her plenty of brain mash, and if possible fresh grass, and give a tablespoonful of ground anised in each feed. 38

Heaves

Heaves I have a lot rise that for the past three or four rise that had the its three or four rise that had the its thanks going like a believe of and drinks well, but it appears lan-guid, and hair is coming off its coat. I believe it has heaves. What is the cause? Should I still feed it on hay and cats as usual and let it have all the water it wants?—E. A. L. You are very likely mistaken about your horse having heaves, as the lings known as a patient of the lings known as a patient of the index of pleurisy, and is, in all like-linood, caused by taking cold. You should bister the sides of the chest with mustard, and give the following: FId. ext. digitalis two ounces, pot. PIG. ext. digitalis two ounces, pol. iodide four ounces, water sufficient to make a sixteen ounce mixture. Give a tablespoonful three times a day. In some cases it is necessary to perform an operation called "tap-ping" in order to remove the fluid from the chest. from the chest.



In this column will be answered for any paid-up subscriber, iree of charge, questions of law. Make your questions brief and to the point. This column is an charge of a competent lawyer, who will, from time to time, publish herein notes on current legal matters of interest to farmers. Address your communications to "Legal Column," The Farming Workf, Toronto.

Wants to Revoke Order

Wants to Revoke Order A gave an order to B in 1903 for a monument from design, the monu-near to be crected on May 1st, 1904, and the first payment made on May 1st, 1905. A, having seen the same design in another cemetery and not liking it, decided to make a change. B was willing to have this done. A got the opinion of a competent man as to setting of the monument and was to lot that it would be difficult to make a good job of this as the lot was to osmall. A then cancelled the order in the fall of 1904, with the ror-bance of a mother monument as soon thance of a mother monument as thance of a mother monument as thance of a mother monument as the opinion of a state of the first, thance of a mother monument as the opinion of the monument and the original order, for the first payment to be, mades, Can B

collect for the price of same?-J. R., T., Brant Co., Ont.

By the 17th section of the statute, commony known as the Mattute of Frauda, it is enacted that "No con-tract for the sale of any goods, wares or merchandise for the price of forty dollars or upwards shall be allowed to be good except the buyer shall accept part of the goods as so sold and actually receive the same or give something in earnest to bind the fast goin, or in or encorridum in writ-ing of the acid bargent be made and signed by the parties to be charged by such contract or their agents theremuto lawfully authorized." By section 4 of the same statute it By the 17th section of the statute,

theremuto lawfully authorized." By section 4 of the same statute it is enacted that no action shall be brought whereby to charge any per-son upon any agreement that is not to be performed within the space of one year from the making thereof unless the agreement upon which such action shall be brought or some mem-orandum or note thereof shall be in writing and signed by the party to be charged therewith or some per-son thereunto by him lawfully au-tionized. thorized.

From the information given us it is impossible to give you a definite answer, but you can possibly apply answer, but you can possibly apply the above quotations to the circum-stances of your own case. You do not mention at what date in 1903 the order was given, nor whether B agreed to the cancellation of the or-der by A in the fall of 1904. If B did agree to the cancellation of the order he cannot of course allerwards go on and Bil it and collect for so doing. Wellivered the monument but you do not asy whether A accented has now delivered the monument but you do not say whether A accepted or refused the delivery of the same. If A agreed to accept it and did accept the delivery by B he can collect from A the price of the monument since there would be a new contract be-tween them.

Damages for Lunatic's Act

A, who is supposed to be of un-sound mind, set fire to B's barn and the barn was burnt down. Can B recover damages from A?—H. E. M., Ontario.

A lunatic is civilly liable in dam-A junatic is civily habie in dam-ages to persons injured by his acts unless utterly blameless. If A was not utterly unconscious that he was doing wrong he is liable for the dam-age done. .58

Price of Horse

B sold a horse to C for \$150. B did not know C, but inquired from A who said C was all right and would pay for the horse. C has not paid B and B is unable to recover the price of the horse from him. Can B collect the price of the horse from A^2-J . E. L., Ontario.

A(-), E. L., OMERIO. No. In order to make a person responsible for the debt of another under such circumstances as the above, the representation or assur-ance must be in writing and signed by the party to be charged therewith. To is encured in P.S.O. Were above.

by the party to be charged therewith. It is enacted in R.S.O. 1897, chap-ter 146, section 7, as follows:-"No action shall be brought whereby to charge any person upon or by reason of any representation or assurance made or given or relating to the character, conduct, credit, ability, trade or dealings of any other per-son, to the intent or purpose thay, goods or credit threupon unless the representation or assurance is made representation or assurance is made in writing, signed by the party to be charged therewith."

The U.S. Apple Crops

The NEW YORK PACKER, in a recent issue, gave some information regarding the outlook for apples in the United States that will be of interest to Can-adian fruit growers. This information has been obtained from growers, ship-pers and nurserymen in all parts of the

pers and nurserymen in all parts of the country. New York is the pivotal state whose crop usually sets a basis for prices. Consequently, the information from all sources, a two-hirds crop from all var-ter of the state of the state of the state ingland crop, taken as a whole Neu-considerably below the average. West Virginia and Virginia are credited with 60 to 52 per cent. of a full crop. Penn-sylvania will have a fair yield of apples, but nothing like the crops of 1904. Michigan on the other hand is put down for one of the greatest that state has ever had. In the middle states the out-look is not so bright, but by no means discouraging. Indiana will have a fair yield; Tilinois better than last year;

Ohio a fair crop and Kentucky about Ohio a fair crop and Kentucky about the same as in 1904. Missouri and Kansas are put down for a fair crop, and Nebraska, Iowa and Colorado for a fine crop. On the coast the crop is placed at an average. The outlook for they are eliminated from the PACKER'S estimate.

Entries Close August 1st

Entries for the great Canadian National Exhibition, to be held in To-ronto, August 26th to Sept. 11th, close ronto, August 26th to Sept. 11th, close for live stock, dairy products, fine arts, natural history, women's and children's work on Monday, August 7th; for grain, field roots, garden vegetables, floricultural, horticultural, and honey on Monday, August rath; for which a special prize list has both, prith Ma, on Sorria at Agust Hall offices, Toronto, by addressing whom, entry blanks, prize lists, and any information can be obtained.

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FINANCIAL NEWS AND NOTES

Receccecceccece ecceck Some Comparisons

Some Comparisons The simplicity and convenience of matters financial in Canada, as com-parted with those of other nations, is, we believe, not appreciated as it should be, and there is ample ground for a feeling of thanksgiving that we are free from many of the complica-are free from many of the complica-

are free from many of the comput-tions in these matters that rest on the people of other lands. Take, for instance, our currency. At present it consists of silver and copper coin (five pieces only), Do-minion notes and bank notes, to which will be shortly added gold coin of three denominations. A servers com twe preces only), Do-minion notes and bank notes, to which will be shortly added gold coin of three denominations. A simple list truly, and one that causes no trouble, either financial or poli-tical. Compare this with the cur-rency of the ultied States, where to the ten pieces of coin issued (which includes the silver dollar) must be added gold certificates, silver certifi-cates. United States notes, Trasaury notes and National Bank notes, or compare it with the currency of Great Britam, with its antequated system of pounds, shillings and pence, and besides the usual number and shillings and pence. The banks and English are banks ard Scotten and Irish banks.

Scotch and Irish banks. Another cause for gratitude is our freedom from a stamp tax with all its annoyance and expense, as, for instance, in Great Britain, where every cheque, draft, note, receipt, power of attorney, stock transfer and legal documents of every description must be stamped in the manner and to the extent prescribed by the British Stamp Act. Some of us have a recollection of the time when such an Act was in operation in Canada, and also remember the feeling of re-lief when it was repealed.

Our banking system, too, is simple, consisting of but one class of banks acting under a uniform Bank Act, which applies to all our banks, thirtywhich applies to all our banks, thirty-four only in number, but with twelve hundred branches. In the United States there are State banks and Ma-tional banks, and each State has dif-ferent regulations for its banks, and that country has many thousands of banks independent of each other, and few large banks.

Attention was recently called by a gentleman from the United States to the ease with which banking accom-modation can be obtained at a new point in Canada, as compared with point in Canada, as compared with the procedure necessary to this end in the United States. In Canada when the people of a village or town decide that a bank in their midst is necessary, and that there is sufficient necessary, and that there is submeent business to warrant the opening of such, a requisition is sent to the head office of one of the chartered banks stating their request, and the favorable amount of business obtain-able. If the bank authorities are shown that there is sufficient buildess shown that there is sufficient buiness in sight to warrant it, a branch office is opened there without delay, and at no further trouble to the towns-people. Moreover, that branch has all of the strength and experience and facilities behind it of the parent in-stitution with its millions of assets. In the United States those under bank must proceed to correnze cossimilar circ instances desirous of a bank must proceed to organize one, get a Federal or State charter, obtain sufficient subscriptions to the stock, arrange for directors, cashier and other officers. Premises, office forms

and supplies, and many other matters must be arranged for, all of which takes much time at dark of possibly Sacoro capital (or less), with little or no backing outside of its own slim resources, and with probably inex-perienced men at the helms. Its it a wonder that benk failures are so fre-quent in the United States, or that our own system is so highly com-mended?

Bank Reports

Bank Reports A number of our Canadian banks have during the past two months been publishing their annual state-ments, and as these reflect largely the financial condition of the country, it is of interest to read what these state-ments contain, and been as a large number of our people have money number of our people have money deposited in one or other of these banks, it may be well to reassure acposited in one of other of these banks, it may be well to reassure ourselves of the safety of that money by noting the position of these de-positories, even in these days when almost unlimited confidence is felt, and sighthere atmost unlimited confidence is felt, and rightly so, in our chartered banks. Our system of banking trains good men for the management of these great institutions. The officers enter the service as boys, and through the practice of transferring them from practice of transferring them from branch to branch and from one class branch to branch and from one class of work to another, by the time the years of ripened judgment are reach-ed an intrast knowledge of the bank's business, and of the theory and practice of banking has been equipped for their responsible busi-ness of handling the people's money. The history of our Canadian banks during the past twenty-five years during the past twenty-five yes shows that the confidence reposed

shows that the confidence reposed in them rests on a good foundation. The Imperial bank, in their report of 1st May, showed total assets of $\$_{31,005,525}$, against liabilities owing the public of $\$_{50,002,07}$, and a paid up capital and rest, which each amount to $\$_{50,000,007}$. The deposits aggregate $\$_{32,000,008}$. The year's prolits were $\$_{51,051}$ (an increase of $\$_{50,537}$ over the previous year), and from these profits dividends of ten per cent. were paid the stockholders and $\$_{15,0000}$ added to reserve, leav-ing $\$_{17,5,116}$ to be carried in profit and loss account. account.

The Traders Bank also shows a good The Traders Bank also shows a good statement, with total assets \$22,30,016, against liabilities owing the public of \$18.091,380. The capital is \$4,906,715, and reserve fund, \$1,100,000. The deposits aggregate \$15,800,730. The profits of the year were \$287,144 (an increase of \$46,722 over last year), to which is added premium on new stock, \$300,000, and profit and loss account, \$22,678. Dividends of seven per cent. were paid, and \$400,000 added to reserve. The Standard Bank has not made

The Standard Bank has not made such rapid progress as the above two institutions. Its assets aggregate \$16.653,801, with amount owing the public, \$14,500,686. Capital and re-serve, \$1,000,000 each. Deposits, Capital and Capital and Deposits. serre, \$1,00,000 each. Deposits, \$12,592,400. Profits for the year, \$15,092,000 profits for the year, \$15,092,000 profits for barry the year, \$15,090 profits for somewhat heavy losses). Dividends of the per cent. were paid the shareholders, and \$02,-114, carried forward. The Sovereign Bank at its third annual meeting reported capital \$1,-900,000 and reserve \$400,000. Total assets.\$111,600,000. against linkilities

y00,000 and reserve \$400,000. Total assets.\$t11,660,005, against liabilities to the public, \$0,043,270, including deposits of \$83,06,200, The profits of five per cent. were paid the share-holders, \$50,000 was added to reserve. All of which contributes to make a very good showing for such a young institution. institution.

THE								
SAVINGS of YEARS								
Should never be risked in uncertain investments. Much better to be 8URE of your money and reason- able interest, than to risk loss of both through the unsafe depository or any get-rich-quick scheme.								
THE BANK OF TORONTO								
in its Savings Department offers a perfectly safe depository for money. Its large resources, its conservative management, and experience of nearly fifty years, ensure all de- positors and other customers an unexcelled banking service.								
INTEREST PAID ON ALL SAVINGS BALANCES TWICE A YEAR								
THE BANK OF TORONTO								
CAPITAL \$3,400,000 REST 3,700,000 ASSETS 30,000,000								

Pacific Coast Excursions

During June, July, August and September the Chicago and Northwestern Ry. will sell from Chicago round trip excursion tickets to San Francisco, Los Angeles, Portland, Ore., (Lewis & Clarke Exposition, Seattle, Victoria and Vancouver, at very low rates. Correspondingly cheap fares from all points in Canada. Choice of routes, best of train service, favorable stopovers and liberal return limits. Rates, folders and full information can be obtained from B. H. Bennett. General Agent, 2 East King St., Toronto, Ont.

The Ontario Bank reports assets The Ontario Bank reports assets of \$15,742,673, against $$3_{12,145},80$ owing the public, including deposits of \$1.649,236. Their capital is \$1,-500,000, with reserve, \$50,000. Prohits for the year were \$15,245 (1 a decrease from 1904 of \$23,072), from which divi-dends of six per cent. were paid, and \$50,000 added to rest.

The following three Quebec banks also publish their statements at this

time: The Union Bank of Canada, with capital, \$2,500,000 and reserve, \$1,-100,000, shows assets of \$22,767,100, against \$18,889,956 owing the public, which includes deposits of \$16,533,876. Their profits were \$38,173 (a decrease of \$50,524 from 1904). Dividends of seven per cent, were paid, \$100,000 added to rest, and \$100,000 written of bank premises and real estate, leav-ing \$74,513 to be carried forward.

ing \$74.513 to be carried forward. The Quebec Bank shows assets of \$73.705,032, against \$98,24.435 owing the public. The deposits are \$8,205. 750, capital, \$2,500,000, and rest, \$1,-000,000. Profits for the year aggre-gated \$561,247 (a decrease of \$21,247 from 1004), from which dividends of seven per cent. were paid and \$50,000 added to reserve. La Banear Notice

Added to reserve. La Banque Nationale's capital is \$1,500,000, and reserve fund, \$500,000. Total assets \$10,535,244, against \$4, 437,577 owing to the public. Deposits are \$57,531,000. Their profits were \$140,684 (a decrease of \$12,091 from 1004), from which dividends of six per cent. were paid and \$50,000 added is rest.

In the Poultry Yard

Chicken Cholera

along poultrymen, is looked upon with as much terror and abhorrence as smallpox or cholera among the laity. And indeed they may, for it pro-duces almost as much destruction among fowls as occasional epidemics among towls as occasional epidemics of cholera or smallpox among men. There is no other disease that pro-duces such ravages among pigeons, turkeys, chickens, ducks and geese. as cholera, or greater financial loss. Poultrymen were seeking everywhere for a preventive or cure, but until for a preventive or cure, but until a comparatively recent date, nothing definite was known of its cause or prevention. Science, however, has discovered the causative agent and discovered the causative agent and made known rational means for its prevention. While it is somewhat complicated as yet in its application, we hail with delight its discovery and live in hopeful anticipation of a greatly improved method. The bacill which is responsible for the disease was first discovered in the year 1878. It was first thought that they belonged to a class known as cocci, or sohere. from their resem-

as cocci, or sphere, from their resem-blance to small berries, but later investigation proved them to belong to a class of germs known as bacilli. They are short, broad bacilli with rounded ends, sometimes united to each other, forming moderately long

When examined in the living condition they are found to be non-motile. They are cultured usually upon gelatin plates. They are, howupon getatin plates. They are, how-ever, grown upon potato, agar-agar and blood serum. The introduction of cultures into the tissues of chick-

and blood serum. The introduction of cultures into the tissues of chick, emp geess, pigcons and sparrows, is or blood poison. Feeding them with material infected with bacilli is also sufficient to produce the disease with pronounced intestinal lesions. The autopy shows that when the bacilli are introduced beneath the skin, a true septicemia or blood poisoning, as it is termed by the laity, tesuits. The liver and spicen laity, tesuits. The liver and spicen bagic (blood spots) and infiltrated areas occur in the lung; the intestines show an intense inflammation with red and swollen muccons. The bacilli are found in the organs. If, on the other hand, the disease has been other hand, the disease has been produced by feeding, the bacilli are chiefly to be found in the intestines.

After having introduced the bacilli After having introduced the bacili purposely beneath the skin of the fowl, or introduced into the intestines by feeding, a condition of weakness and apathy arises which causes them to remain quict, seemingly almost paralyzed, with ruffled up feathers. The eyes are closed shortly after the The eyes are closed shortly after the liness begins, and the birds gradu-ally fall into a stupor from which they do not awaken. The disease leads to a fatal termination in twenty-four to forty-eighth norms. During its course there is a profuse diarrhea, the frequent fluid, slimy, grayish white discharges containing numerous bacill.

The bacilli of chicken cholera is one whose peculiarities can be made use of for protective vaccination. When cultures are allowed to remain When cultures are allowed to remain undisturbed for several months, their virulence is greatly lessened, and new cultures planted from these are also attennated. When chickens are in-oculated with such cultures, no other change occurs other than a local in-flammatory reaction, by which the birds are protected against virulent

bacili. From these observations a system of protective vaccination has been worked out, in which forwls can be protected by first inoculating them with a very weak, then stronger, and nually with highly virulent cultures, with resulting protection and immun-ity. The unfortunate feature, how-ever, is that it is somewhat compli-cated for general use.—Henry Wolf. 38

Helps to Beginners

Experience is a good teacher and one that makes a lasting impression

one that makes a lasting impression upon the learner. Farmer B—— had read in his county paper that there would be a farmers' institute at the cross-roads county paper that there would be a farmers' institute at the cross-roads and at the request of his wire, he tended the meetin' though he had no faith in them. The afternoon session was given to the interest of poultry culture and the gentleman who had charge of the meeting was a regular poultry crank. In the course of the meeting the question of 'thorough-and then a round table meetin' was in order, and the nontryman asked and and then a round table meetin' was in order, and the poultryman asked and answered questions in a way that made halters throw away their crutches and sign right before the president for a poultry paper. "It was remarkable the way the ole hanneng wave took, in that day and He always thought the dung-bill fowls were good enough for him till

among them was rather b—. He always thought the dung-hill fawls were good enough for him till fawls were good enough for him till fawls were good enough for him till the second the second second make them of the post fellows and animals under heaven, and even hinted that a man who was guilty of breeding such monstrosities should be tattooed or something like it. Our good friend came home all in a glec. The entire evening was spottn in reading the poultry papers gotten at the institute. The second evening was spent in reading every a gentleman in Ohio receiving an order for a ten-dollar rooster, as the farmer wrote it in his letter: "I want second fellow, remember. A full bred. a good fellow, remember. A full bred-blooded Barred Rock rooster and one that will weigh twelve pounds or more."

In due time the bird came. He In due time the bird came. He did not weigh twelve pounds nor ten pounds. He was but a cockerel and rather gangling, but he had the bones and the making of a fine bird. He was the talk of the community. All in all the farmer liked him and so he wrote to the Obiho breeder. Time went by and a big white feather nut in its anoncomments the solid.

The went of an a big white feature put in its appearance in the tail. It did not scare the farmer, as he thought that was the nature of the creature. Soon the majority of the tail feathers were white, and then came some on the neck, but the innocent farmer did not think there was anything wrong, and time went by. One day he caught the fellow to lift him and he felt some fuzz on his legs and soon he had feet on him something like a Clydesdale horse. Every week the feathers grew longer, and every month the bird got bigger, Every week the feathers grew longer, and every month the bird got bigger, and he was the biggest fellow in the country, but he did not look like a Barred Rock rooster. Till the 1st of Octoher he was something in looks like Jacob's ring-streaked and strip-ed cattle ed cattle.

ed cattle. Some people called the farmer a fool and told him he was cheated, and that he ought to write that breeder a sassy letter and demand the return of his money, but, do you

know, dear reader, when that farmer know, dear reader, when that farmer was brought to task about it by his good, indulgent wife, he said: "Mandy, fur the life of me, I can't tell whether I ordered a Rock rooster or a Dark Brahmy, but I feel sartin I got just what I ordered."

WM. HARRIS GUYER, Inland Poultry Journal.



GOOLD, SHAPLEY & MUIR CO., Limited Brantford, Canada.

PURE-BRED STOCK

NOTES AND NEWS FROM THE BREEDERS

These columns are set apart exclusively for the use of breeders of pure-bred stock and These columns are set apart exclusively for the use of breeders of pure-bred stock and politry. Any information as to importations made, the safe and purchase of stock and the condition of herds and flicks that is not in the nature of an advertisement will be welcomed. Our doirs is to make this the medium for conveying information as to the transfer oppur-bred animals and the condition of live stock throughout the country. The co-operation of all breders: a semestiy solicited in making this department as useful and as interesting as p. ab -. The Editor reserves the right to eliminate any matter that he may consider better stude to our advertising columns. suited to our advertising columns.

The Royal Show

The Royal Show The great English Royal Show, held at Park Royal the end of June, was the best of the three held at that point. Whether it will prove bel-ter hanacially than the other two remains to be seen. The old country technanges just to hand give pretty that the section of the show, not not be set section of the show, not bitton, was the Shorthorns. The numbers were so large that two rings had to be set apart for the judging. All the classes were strong, especially the younger ones. Mr. Robert Taylor, Pillwich had the ist prize aged bull in his Edinburgh capture of the show how the hist prize aged bull in his Edinburgh that the second the data of the show ring reserve and Mr. Dean Willis White Heather second reserve. There was a fair exhibit of Aber-broid and for the best female, Mr. F. Miller's z-year-old heifer, Lady hary bull stood first; the King's list prize yearing heifer, Reception first reserve, and Mr. Dean Willis White Heather second reserve. There was a fair exhibit of Aber-broid media for the best heimal of harang bor on the whole life patheria and for the best applicable of the breed went to Mr. Hudson's panesified loser (Koy), a bull with a beautiful head and strong breed durater. The Galloways were dis-puncting bor on the whole life panesified loser (Koy), a bull with a beautiful head and strong breed durater. The Galloways were dis-puncting the second for years. The show of horses was good, and haranter the Shires among heavy have beaver at the Royal for years. The show of horses was good, and haranter the Shires among heavy have beaver at the Royal for years.

in particular the Shires among neary, horses and the driving classes among the light horses. The Clydesdale Horse Society's champions went to Baron Fyvie, a two-year-old winner at several of the spring shows and champion at Ayr. The best female at several of the spring shows and champion at Ayr. The best female was Lady Garnet, an outstanding brood mare winner. The champion-ship Hackney was found in Evanth-ius (Rufd), by Polonius, a horse of the good level sort. He was hard pressed by Bouncing Danceelt, one from Sir Walter Gilbey's stud. In sheep the Scots breeds were very much at a discount. The Shrop-blies were as usual mechans the

shires were as usual, perhaps the largest exhibit in the sheep section. The Lincolns made a rather sensa-tional show, and with plenty of Ar-gentine buyers in the field, were eag-

erly sought for. All the pig breeds were represent. ed. The large Yorkshires and the Berkshires were the most numerous .12

Assistant Live Stock Commissioner

In the appointment of Mr. J. B. Spencer, B.S.A., as Assistant Live Stock Commissioner, the Government

seems to have selected wisely and well. Mr. Spencer comes from one of Canada's oldest families of stock breeders. His grandfather, Mr. John Spencer, imported into Canada the finest Devon cattle and Shropshire sheep, and be was the second man sheen, and he was the second man to import Southdown sheen, which was in the early fitties. His father, Mr. II. H. Spencer, of Dorset Farm, Brooklin, Ont., was for many years the leading breeder and exhibitor of Southdown sheep and Devon cattle in Canada, Latter he took up the sheep, Shorthorn cattle, Chylesdale horse, and Rerkshire xwim. With horses and Berkshire swine. With the subject of our sketch as his righthand boy, he imported and exhibited Shropshire's quite extensively in the

Shropshires quite extension in carly eighties. Both by experience and association Mr. Spencer has had a good ground-work in live stock breeding. His home during the years of his boy-hood and early manhood was situ-



J. B. Spencer, B.S.A.

ated in the midst of such noted breed-ers as the Drydens, Davidsons, Mul-lers, Grahams, Beiths, Johnstons and other prominent stockmen, whose methods of breeding and feeding were observed and followed very closely during a series of years while multiple his father's farm.

managing his father's farm. When twenty-four years of age Mr. Spencer entered the Ontario Agricul-tural College, completing the full course and securing the degree of B.S.A. Upon leaving the college he took up agricultural journalism, which he has followed ever since. His new duties at Ottawa begin on July 15th. .42

Importing Shorthorns Mr. H. J. Davis, Woodstock, Ont., landed at Ouebee on July 5th, sixteen high-class Scotch Shorthorns. The importation consists of seven young buils. These cattle have been care-fully selected by Mr. Davis himself, and come from such well-known and famous families as the Roan Lady. Jit, Mayflower, Kiblean Beauty, and Butterfly. The mere mention of these

names is a guarantee that Mr. Davis' manes is a guarantee that alt. Divis importation is of excellent breeding. The importation will be out of quarantine and home at Woodstock on August 26th, when intending pur-chasers would do well to look them over before buying elsewhere.

Japs Want More Cattle

Mr. A. P. Westervelt, Secretary of the Ontario Live Stock Association, has received a letter from J. Nishi-mura, the representative at Vancouhas received a letter from J. Nismi-mura, the representative at Vancou-ver, B.C., of a Japanese firm, saying that on behalf of parties who will arrive from Japan in a week or two, he initends purchasing purc-bred Shorthorn, Ayrshire, Devonshire and Summenthal (Swiss breed) cattle, ther information of such cattle in

Mr. Flatt's Sale of Fillies, August 23rd

Messrs. Montgomery Bros. have cabled W. D. Flatt that owing to the scarcity of Clydesdale fillies in Scotland they are difficult to purchase, and that it will be impossible for them to ship in time to hold the sale at Hamilton on August oth, as pre-viously announced. Mr. Flatt has, therefore argument to hold the sale viously announced. Mr. Flatt has, therefore, arranged to hold the sale at the Pavilion, Hamilton stock yards, on August 23rd, instead of August

Mr. Flatt also desires us to say that he will not undertake to pur-chase or import another lot of fillies

The Guelph Winter Fair

Ine Guepn winter Fair It has been decided that the next Provincial Winter Fair shall be held at Guelph, Ont. December 4-8. These dates are the week following the In-ternational at Chicago, so that exhi-bitors may be enabled to show their animals at both exhibitions.

The total value of cash prizes to be offered amounts to nine thousand dollars (\$9,000.00). This means that large increases have been made this year to the prize money of several departments. The prize list will be ready for distribution shortly, and any person wishing a copy may ob-tain one by sending his name and address to A. P. Westervelt, secretary Parliament Buildings, Toronto. .1

Open-air Horse Parade

Open-air Horse Parade The third annual open-air horse parade held in Toronto on July 1st, was a pronounced success in every way. Although the weather was threatening there was a large attend-ance of the general public. There were over ago entries and over 600 horses in the parade, and the pro-cession, which was about two miles in length, took an hour to pass a given point. Every kind of rig, from the four-in-hand down to the trades-man's cart, was represented in the procession. The show of horses was very fine all through, some splendid procession. The show of horses was very fine all through, some splendid animals being entered in the different events. One of the very best classes was that for heavy horses. The teams were well matched and looked in the pink of condition. A feature of this pink of condition. A feature of this section was the three-horse team of greys exhibited by Joseph Russell. The ponies formed a most inter-esting class of pretty and well kept



animals, which proved a strong at-traction to the juvenile onlookers. No pains had been spared by the drivers in all classes to make the animals in their charge look as smart as possible. In every class, gold, silver and bronze medals and four handsome rosettes were awarded, and so great was the number of entries that two classes had to be divided, sets of medals be-ing given to each.

had to be divided, sets of medals be-ing given to each. There was a regular army of judges and the ribbons were placed in short order, there being one judge for each class. The judging was timed to begin at 0 and and by 10 am, the parade had started on its tour of the quickly were the ribbons he cided so quickly were the ribbons he cided so quickly were the ribbons ince its in-ceptions the entries came from the people of Toronto, who since its in-ception, have evined a keen interest in the show. the show.

in the show. Among those who officiated as judges were Robert and Wm. Graham, Claremont; J. M. Gardhouse, Weston; W. A. Lawrence, Milton; Alex. Do-herty, Ellesmere; John Gardhouse, Highlield; J. J. Quinn, Brantford; W. J. Stark, W. Staley Spark, A. W. Smith and Henry Wade. 3

Edmonton's Annual Fair

The annual exhibition of the Ed-monton and District Agricultural Association was held on June 20th and 30th and July 1st. Twenty-five thou-sand people entered the gates during the three days, the receipts were lar-ger than ever before and the char-ations of the infusiral and live stock vance over previous yeas. The statistic is the carly date some classes of grains and farm products were not out in the abundance that they would be in a fail exhibition, but samples were generally of high excellence. Grasses in great profusion and vari-ety were a prominent feature. Sev-eral sheafs of fall wheat, which is now succeeding well in the country, were exhibited. The grain was al-renty well headed out and was over the leaded out and was over key Red variety.

four feet in length. It was the Tur-key Red variety. Dairy products were an excellent display as were also the several de-partments of finer work by the ladies. The rapid increase in the interior dis-play will necessitate the erection of a larger building for future fairs. In live stock the cattle classes were best filled and of these the useful Shorthorn were out in greatest num-ber and excellence. Herds from other parts of the Territories competed, but farmers. The herd larger building farmers. The herd herds from other parts of the Territories competed, but shorthorn were out in greatest num-dramers. The herd herds from other parts of the Territories competed but some had the honor of capturing the sweepstakes bull prize with a twenty-one months old Lincolnshire red of fine staming and conformation. The sweepstakes for female of all breeds was carried off by a local breeder, J. Tough, with a two-year-old Herc-ford of fine quality. Herefords were a fine exhibit but competition was light. Jerseys were well represented as the terre well and end in the there were all filed and indicate that the farmers of the distinct are that the farmers of farm and light draught animals. Registered draughts were hinde to the entire classes. In the aged stallion class seven animals

were limited to the entire classes. In the aged stallion class seven animals were out, premier honors going to M. Morrison, of Wetaskiwin. Road-sters were a fair class, carriage horses were scarce, but the saddle classes were quite strong. Dr. Fer-ris exhibited a fine type of cavalry horse that was highly esteemed by

THE FARMING WORLD

15 July, 1905

"LYDESDALES" "HACKNEYS

A few fine Clydesdale and Hackney stallions always on hand. Write to T. H. HASSARD, Millbrook, Ont.

NTERNATIONAL IMPORTING BARN, SARNIA, Ont. Branch Barn. Lennoxville, Que. Clydesdale, Shire and Hackney Stallions always kept on hand for sale. Will sell at a bargain several Farm Horses. Write

J. B. HOGATE, Sarnia, or Lennoxville, Que.

CLYDESDALES AND HACKNEYS.

My new impertation of **Chydesectato Statistes** has arrived here, and is of the same high chan quality as usual, correctify selected from monog the best Stuth of Scotland. My all eutomers and all lovers of a good **Chyde** are invited to see them. I have Two Pirut-Class **Hackrops** yet for sale, well worth the price put on them. Those Two Pirut-Class

WM. COLQUHOUN,

MITCHELL, ONT.

Shire and Clydesdale Horses, Shorthorn Cattle

Choice Stock on hand at all times. Customers never disappointed.

J. M. GARDHOUSE, Weston, Ont.

RICHARDSON'S CLYDESDAL

Our Clydesdale Stallions and Mares have wintered nicely, and we now have a number for sale at reasonable prices, amongst them the Toronto Show winner, BARON GARTLEY, 1st and sweepstakes. Address: Col.mbus, Oniario. Stations— Oshuwaand Brooklin, G.T.R.; Myrtle, C.P.R.

THOS. MERCER, Box 33, Markdale, Ont. Breeder and Importer of Clydecdale Horses, Shorthorn Cattle and Yorkshire Pigs. Car lots fer western trade a specialty. Driving Horses handled if ordered

DAVID MCCRAE, Janefield, Guelph, Canada Importer and Breeder of Galloway Cattle Clydesdale Horses and Cetswold Sheep. Choice animals for sale.



GEO. JACKSON, Auctioneer, PORT PERRY, ONT. Live Stock a Specialty.

the judge, Dr. Standish. Hackneys were not shown. The gentlemen of the local polo club had out a fine class of ponies of creditable conform-ation and performance. In the swine classes, Tamworths, Yorkshires and Berkshires were ex-hibited and competition was quite keen. A nice exhibit of both pur-bred and grade bacon hogs attracted some attention.

some attention. Sheep were not a large exhibit and were not very creditable with the exception of a few purcherberd Shrop-bucks of good quality. The awards in cattle, sheep and swine were made by W. W. Fraser, of Emerson, Man. J Mc.

To Judge at Fall Fairs

Supt. Cowan has issued a partial list of the fairs at which expert judges will make the awards. The dates and lists of judges are as fol-

CIRCUIT NO. 3

CIRCUIT NO. 3 Horses, Geo. Gray, Newcastle; beef cattle and sheep, Geo. Whitelaw, Guelph; dairy cattle and swine, John G. Clark, Ottawa, Sept. 26 to Oct. 12; dairy cattle and swine, M. Stone-house, Sept. 20-22. Stirling, Sept. 30, 26; Picton, Sept. 27; Marmura, Sept. 28; Campbell-ford, Sept. 29; Colborne, Oct. 4; Ban-croft, Oct. 4; Warkworth, Oct. 6; Horwood, Oct. 11; Fenelon Falls, Oct. 12; two judges. Horses, G. H. Williams, Napanee; W. J. Gardhouse, Highfield; dairy cattle and swine, R. H. Williams, Guelph. Shelburng, Sept. 27; Orangeville,

Shelburne, Sept. 27; Orangeville, Sept. 29; Cookstown, Oct. 4; Fever-sham, Oct. 6; Beeton, Oct. 11; Dun-dalk, Oct. 13.

CIRCUT No. 8 Horses, R. D. Dundas, Springville: beef cattle and swine, G. B. Hood, Guelph; dairy cattle and sheep, John Jackson, Abingdon. Durham, Sept. 21; Neustadt, Sept. 23, two judges; Teewater, Sept. 23; Midmay, Sept. 26; Palwerton, Sept. 27; Wintron, Sept. 26; Marton, Cept. 29; Tars, Oct. 4; Arthur, Oct. 5;

Priceville, Oct. 6; Lion's Head, Oct. 10; Kemble, Oct. 11.

CIRCUIT NO. 9

Horses, T. R. Reed, Lion's Head; beef cattle and sheep, W. R. Elliott, Guelph; dairy cattle and swine, R. S. Stevenson, Ancaster. Listowel, Sept. 29; Flesherton, Sept. 28; Harriston, Sept. 29; Atwood, Oct. 4; Luckawo, Oct. 5; Brussels, Oct. 6; Gorrie, Oct. 7; Underwood, Oct. 10. 10.

CIRCUIT NO. 12

Horses, Dr. Standish, Walkerton; beef cattle and sheep, Wm. White-law, Guelph; dairy cattle and swine,

Iaw, Guelphi; dairy cattle and swine, Wm. Jones, Zenda. Strathrey, Sept. 19th; Staffordville, Sept. 20; Woodstock, Sept. 21, horse judge on 22 and also; Ancaster, Sept. 27; Burlington, Sept. 28; Paris, Sept. 29; Onondaga, Oct. 3; Burford, Oct. 11; Catedonia, Oct. 12, horse judge on 13th; Langton, Oct. 14.

CIRCUIT NO. 13

Horses, Wm. Bishop, New Ham-burg: beef cattle and sheep, Garnet Thompson, Blenheim; dairy cattle and swine, C. N. Culver, Simcoe. Netherby, Oct. 3rd, two judges; Beamsville, Oct. 4th; Fort Erie, Oct. 5; Fenvick, Oct. 6-Mr. Adolphus Pettit for light horses.

FAIRS NOT INCLUDED IN CIRCUITS

Horses, R. S. Brownlee, St. Cath-arines; beef cattle and sheep, A. S. Gardhouse, Highfield; dairy cattle and swine, M. Stonehouse, Port

Barrie, Sept. 26; Midland, Sept. 29; Elmvale, Oct. 4.

Horses, Wm. Doherty, Agincourt; beef cattle and sheep, Wm. Elliott, Guelph; dairy cattle and swine, R. H. Williams, Guelph. Bradford, October 18th.

Horses, Wm. Doherty, Agincourt; beef cattle and sheep. Arthur John-ston, Greenwood; dairy cattle and swinc. R. Honey, Brickley. Wood-ville, Sept. 15th.

Horses, A. G. Gormally, Unionville; beef cattle and sheep, C. P. Everett, Mt. Vernon; dairy cattle and swine, A. Kennedy, Ayr. Watertown, Oct. 3; Acton, Oct. 4

Horses, A. G. Gormally, Unionville; beef cattle and sheep, H. R. Elliott, Guelph; dairy cattle and swine, R. H. Williams, Guelph. Wellesley, Sept. 15th.

34 Judges Appointed for Winter Fair, 1905

CATTLE

J. T. Gibson and one other not finally appointed.

Beef Carcasses-Prof. G. E. Day, A. W. Tyson,

SHEEP

Southdowns, Shropshires and Dor-set Horns-J. C. Duncan, Lewiston, N.Y.; Reserve, Robt. Miller, Stouffville

Cotswolds, Leicesters and Lincolns —Jas. Snell, Clinton; Reserve, Geo. Weeks, Glanworth.

Oxford, Sunon, Oxford, Parkinson, T Ark Weeks, Gianworth. Oxford, Suffolks, Hampshires-Lazarus Parkinson, Greenock; Re-serve, Wm. J. Arkell, Teesewater. Grades and Crosses and Sweep-stakes-J. C. Duncan, Jas. Snell; Re-feree, Prof. G. E. Day, Geo. F. Morris, London.

SWINE

Yorkshires and Tamworths-Wm. Jones, Mt. Elgin; Reserve, A. C. Hallman, Breslau,

AND CANADIAN FARM AND HOME

IOTICE

We have been greatly reducing our herds but still have a few good Jerseys and a number of Guernseys to dispose of. Breeders will find it to their advantage to correspond with us.

DENTONIA PARK FARM, Coleman, P.O., Ont.

Berkshires-R. H. Harding, Thorn-dale; Reserve, J. C. Smith, Hintonburg

Chester Whites and Any Other Breed, Grade or Cross-G. B. Hood, Guelph; Reserve, Peter McEwan,

Kertch, Live Bacon Hogs—Prof. G. E. Day, Wm. Jones and Dr. F. J. Smale, Toronto.

Bacon Carcasses-M. Cumming, Truro; a second judge to be ap-pointed.

DAIRY Prof. H. H. Dean.

DRESSED POULTRY

W. R. Graham, Guelph, and Wm. Barber, Toronto.

JUDGING COMPETITION Prof. G. E. Day.

3

Quebec in Line

At a largely attended meeting of the General Breeders' Association of the Province of Quebee, held in Mon-treal on June 13th last at which the Hon, Mr. Fisher was present, it was sature to be a statistical and the statistic the establishment of National 5 mices Stock Records. The resolution adopt-ed reads as follows: ed reads as follows:

"That the General Breeders' Assocation of the Province of Quebec, represented by the directors of its various sections and by the general board of management at a special convention called for that purpose, decide that it is expedient to be incor-porated under the provisions of the portated under the provisions of the federal Act respecting the incorpora-tion of the Live Stock Record Asso-ciations, to nationalize its various Re-cord Books and to transfer them to the Department of Agriculture of Canada in the course of this fall where the registration of live stock "Themerafter be made." "Where the registration of live stock the the the transfer of the French-Canadian horse be closed on Dec.

31st next.

.14 Holstein Records

The sub-committee of the Cana-dian Holstein Association, after a careful investigation, report that the cost of conducting the business of the association in Ottawa as it should the association in Ottawa as it should be conducted, would involve an im-mediate increase of \$350 in the an-nual expense of the association. The educe of the association and the matter of their records being the-ducted independently of the live stock division of the department as at pre-sent organized. sent organized.

sent organized. In the matter of the probability of their cattle being discriminated against in the matter of freight rates if they refused to nationalize their records, the committee found, after enquiry of the proper officials that there is little likelihood of any such injustice being inflicted upon any cat-tle breeders' association that is in-corporated, as they are, under a Do-minion charter. They are, however, further investigating this matter and expect to report more definitely in expect to report more definitely in the near future.



Bulls in service : Gold Cup (imp.), bred by W. Duthie and Ardlethen Royal (imp.), a Marr Princess Royal.

James Smith, MANAGER.

W. D. FLATT. HAMILTON, ONT.

Wm. Grainger & Son Hawthorne Herd of Deep Milking Shorthorns

Aberdeen Hero, (imp.) at head of herd. Present offering, six good young bulls by Scotch sires. Come and see what we have. Londesboro! Sta. and P.O.

MAPLE LODGE STOCK FARM

Scotch Shorthorns, Choice Milking Strains, Prize Winning Leicesters, Young Stock for sale-imported and home bred.

A. W. SMITH, Maple Lodge, P.O., Ont.

Pine Grove Stock Farm Rockland, Ontario, Canada. Breeders of choice

Scotch Shorthorns and Shropshires.

W. C. Edwards & Co., Ltd., Props. Joseph W. Barnet, Manager.

Menie Stock Farm.

e fine young Ayrshire stock for sale. As I have two herd bulls I can furnish pairs not akin. Write for prices.

A. HUME, - Menie, Ont. Hoard's Station, G.T.R.

CHAS, BANKIN, Wyebridge, Ont., importer CATLE and Oxford Down Sheep. Hended beeded by Pride of Sociatad (imp.). For Sale -Females and bulls of all ages, from noted Social families.

HOLLYMOUNT FARM MITCHELL, - ONT.

Pure-bred Shorthorns of best imported strains. Present offering—A grand12mos. bull calf from imported sire and dam. Address

W. J. THOMPSON, Mitchell, Ont.

Shorthorns, Clydesdales and Shropshires for Sala,

Bulls and heifers of approved breeding and quality. Clyde fillies, imported and home breed. Shearling and ram lambs, imported. Mansell. Prices Moderate. G. A. SEQUES. Bethceds, Ont., Stauffville Sta.

BOOM FREE, entitled "How to Make Hense Lay." A post card to the Thompson Mfg. Ce,. Ltd., Grand Bay, N.B., brings it.

Remounts

Remounts Col. Bridge, of the British army, examined 140 animals in Toronto a week ago. Taken as a whole, the horses were of high quality; but they were hardly the kind demanded for the British army. Many were too light in the hone. Those that had weight enough were frequently lack-ing in speed, and where weight and need were found combined, confor-mention was sometimes deferive. The speed were found combined, confor-mation was sometimes defective. The prices paid for the animals selected ranged from \$145 to \$200. Only a very small proportion of those offered were taken.

12.000 Animals Entered

12,000 Animals Entered It is interesting to note that no fewer than 12,000 animals will be on view at the one time in the buildings and on the grounds of the Canadian National Exhibition, from August zoit to September 11th. Time vast total is made up of twelve Thitteen cattle, eleven or twelve hundred sheen and swine, eight no nine hundred nunarea norses, eight or nine hundred cattle, eleven or twelve hundred sheep and swine, eight or nine hund-red dogs, and upwards of 4,000 poultry and pet stock.

.58 Compton Model Farm to be Sold

It is reported that the Provincial Model Farm at Compton, Que, will be sold by the local government. The property consists of 160 acres of cul-tivated land, with live stock, farm implements and buildings. The farm was acquired by the government in 1893 for \$11,000 and great results Was acquired by the government in 1893 for \$11,000 and great results were expected from it for the ad-vancement of higher agriculture in Quebec. The farm, so it is claimed, never amounted to very much and never amounted to very musu and has cost the government about \$75,-ooo without any direct return. One strong feature of the farm has been the dairy and we would be sorry to see its usefulness lessened. The dairy was erected at a cost of \$7,000 and has was erected at a cost of \$7,000 and has done some excellent work; butter made there has carried off the best prizes at the leading provincial and

The establishment of the Macdon-ald Agricultural College at St. Annes, perhaps, makes a second agricultural college in Quebec unnecessary.

A Jersey Cow's Record

The attractive-looking cow, Dor-inda Darling 146249, despite her slop-ing rump and some other points a little out of harmony with the scale, stood high as an economical producer of milk and butter at the St. Louis demonstration, being the fourth Jer-sey in Class A, and receiving official diploma as fourth in best five cows automa as fourth in best five cows of any breed, Class A. She did not get amongst the best in Class B, her herd mate, Prize May's Duchess and, defeating her in this class by a mar-gin so small as to be almost neglig-ible. She freshened April 4, 1094, so had been seventy-two days in milk at the beginning of the test, June 16, her age being six years six months. Her official record during the 120 days of the test is as follows : Milk, 5,555 lbs.; fat, 255.32 lbs.; estimated butter, 300.51 lbs.; solids not fat, 468.176 lbs. It required nearly 181/2 lbs. of her milk

mated). Her daily average production was: Milk 463 (bs.; fat, 243 (bs.) butter, 25% (bs. fter highest single days butter yield was 204 (bs., on July 3, The average percentage of fat in her milk was 46. During the test the fat percentage varied from 30 (on two days only) to 5.4. The average per-centage of total solids was 13. For the sixty-five days preliminary to the

test, Dorinda averaged 47.6 lbs. milk and 2.23 lbs. estimated butter. For the last week of the test she averaged 44.4 lbs. milk daily, but 2 lbs. under her average for the test, showing splendid persistency. Her best week's splendid persistency. Her best week's production was 320.3 lbs. milk and 189.3 lbs. butter, September 13 to 19. From April 12 to the end of the offi-cial test, October 13, 185 days, she produced 8.049 hbs. milk and 445.68 lbs. butter, a daiv average of 5.9 lb. butter, a daily average of 40.8 lbs. milk and 2.41 lbs. butter.

milk and 2.41 (bs. butter. Dorinda was supplied with the fol-lowing rations during the official test: 1860.8 (bs. alfalfa hay, 723.4 (bs. cut alfalfa, 54 (bs. clover hay, 1708 (bs. corn silage, 374.5 (bs. corn meal, 420.5 (bs. di meal, 40 (bs. cottonseed meal, 424 (bs. gluten feed, 100 (bs. corn distiller's grains. This was an aver-age consumption of 304 (bs. roughage and a little over 16 (bs. grain per days. This feed was valued at \$20,08.4 (br. Class A., her butter was valued at

Class A, her butter was valued at \$25,042. In \$75,128, leaving a net profit of \$46.08. In Class B the total value of fat and In Class B the total value of fat and solids not fat was \$90.641, leaving a net profit of \$0f.890. In other words, she earned §3 cents per day as a butter producer and \$15'_0 cents per day as a milk producer. Dorinds weighed at the beginning of the test \$5'_0 has and at the total table \$1000 to the test \$5'_0 has and at the table \$1000 to the test \$5'_0 has and at the table \$1000 to the test \$5'_0 has and at the table \$1000 to the test \$5'_0 has and at the table \$1000 to the test \$1000 to the test \$1000 to the table \$1000 to the test \$1000 to the test \$1000 to the table \$1000 to the test \$1000 to the test \$1000 to the test \$1000 to the table \$1000 to the test \$1000 to t

possibly she might have produced just as much milk with a little less feed and furnished a little higher net

R. M. Gow. 38

Prince Edward Island

Fine weather again. On June 27 a heavy rainstorm set in which con-tinued for two days. The weather heavy rainstorm set in which con-tinued for two days. The weather was decidedly cool and overcoats were again appreciated. As the crops was decidedly cool and overcoats were again appreciated. As the crops were beginning to suffer from drought the rain appeared to put new life in-to them. Everything looks well, es-pecially the hay and clover. Our far-mers are looking forward to an abun-dan harvast. Early turning head well. dant harvest. Early turnips look well in some sections. Planting was late on account of the cold, backward on account of the cold, backward spring. Some of our farmers were sowing late turnps on June 30. Cat-tle are milling well, and the fac-tories are doing a rushing business. There has been a large crop of chick-end this year. Our farmers are find-well ut that poultry raising pays well. ing well.

CHARLOTTETOWN MARKETS

CHARLOTTEROWN MARKETS Beef, small, 8 to 1zc; oats per bus, 50c; butter per lb, 18 to 19c; eggs per doz, 15 to 16c; geges, each 8; t; fowls per pr, 75 to 80c; hay per cwt, 75 to 80c; mackerel, 15 each; cod-hish, to to 12e each; honey, 25e per lb; sitawberries, 10c per tumbler; lamb, 12e per pb; fresh pork, small, 12e per pound; cream, 30c per qt; lettice, 52 per butch; potatoes, per outment, ore; lb 156°-258°, rc per lb; oatmeal, per lb. 31/2c.

SUMMERSIDE MARKETS

BUMMERSION MARKETS Beef qr. per lb., 6 to Tyle, small, 6 to Ize; cattle, dressed, per lb. 6 to Ize; lamb carcass, §2.50; butter, fresh, per lb. 18 to ace; eggs per doz, 13 to Ige; four per ewt, §3.00; hay per ton, loose, §15 to \$16; calfskins, per lb., 6 to 6%c; hides per pound, 6 to 6%c; oats, per bushel, 47c; wool per

15 July, 1005

lb., 24c; wheat per bus., \$1.10 to \$1.25; pork carcass per lb., 6 to 6½c; pota-toes per bus., 15c; fowl per lb., 10 to

12. A meeting of the Farmers' Insti-tute was held at Eldon on June 28. Mr. Anderson and Mr. Moffatt de-livered excellent addresses. The meeting was well attended and the speakers discussed the breeding, feed-ing and selection of dairy cows. Mr. Moffatt made an eloquent appeal to the farmers to stay in the dairy basis. Monat made an couldent appeal to the farmers to stay in the dairy busi-ness, and insisted particularly that in order to keep only the best in the herd it was necessary to resort to

Mr. Anderson pointed out the great Mr. Anderson pointed out the great necessity for care in the breeding and raising of dairy stock. He advocated the use of succulent food such as roots during the winter months. A lively discussion followed on the ways and means of restoring soil ier-

tilliy. Two Ayrshire cows, owned by J. C. Moore and F. Haliday, were judged. Each farmer was supplied with a score card. Mr. Anderson first went over the cow and showed her strong and weak points. After the farmers mark-ed their cards, Mr. Anderson correct-ed their cards, Mr. Anderson correct-ed their cards, Mr. Anderson correct-points. A pure-bred Ayrshire bull owned by Mr. Haliday was also shown.

shown. Horses are in good demand, and sell from \$too to \$too. The P. E. I. Agricultural and In-dustrial Exhibition prize ist for toos is out. The exhibition will be held from Sept 36 to 30th. Over \$\$,000 in prizes, are offered. The races will take place on Sept. 27 and 29.

AR

.12 Toronto Bench Show

Toronto Bench Show We are in receipt of advanced proofs of the prize list of the trth annual fench Show in connection with the industrial Exhibition at Toronto. Sept. 4th to Sept. 3th. Theat from Sept. 4th to Sept. 3th. Theat from been several changes made in the list as a whole, the chief one being the equalization of the prize money in the various classes, that is, the pup-pies, novice and limit classes have been brought up to the money offer-ed heretorize in the regular open classes, viz.-≪8 first, and §5 second. This makes a large increase in the amount of money offered. There is a full classification of puppies, novice. classes, viz. — S8 first, and §5 second. This makes a large increase in the amount of money offered. There is a full classification of puppies, novice, limit and open in the following breeds: St. Bernards, English and American Fox Hounds, Fox, English and Irish Sector: Cooker Searchie Colling, Butt Setters, Cocker Spaniels, Collies, Ball-dogs, Fox Terriers, Smooth and Wire Bull Terriers, Boston Terriers. Irish Terriers, and Black and Tan. In the other breeds some have a very full classification, whilst others are not so large owing to the entries in the past not justifying the committee in en-larging upon the classes that we have had hitherto.—Supt. A. W. Bell, To-

MONKLAND HERD YORKSHIRES Good Quality. Easy feeders JAS. WILSON & SONS,

Fergus P.O. and Sta., G.T.R. and C.P.R.

Large English Yorkshires. A choice lot of madian bred. Boars ready for service, and a fine lot of spring pies from imported stock, Pairs and fries supplied, not akin. Address H. J. Davis, Woodstock, Ont.



Please mention The Farming World when writing Advertisers.

AND CANADIAN FARM AND HOME

Market Review and Forecast

The Trend of Markets-Supply and Demand-The Outlook

Toronto, July 12, 1905.

Trade is quiet, which is not unusual at this season of the year. Pro-spects are generally good. Call money is steady at about 4½ and discounts at from 6 to 6½ per cent.

WHEAT

The general crop condition on this The general crop condition on this continent seems to be favorable. There have been reports of rust in some of the western states, but so far this is local and affects the gen-eral yield but ittle. There have been rumors of rust also in Manitoba, but these have not been authoritively confirmed. Estimates of the western crop have dropped a little and 70,000-000 bush. is put down by the Oglivie Milling company as a safe figure. Milling company as a safe figure. Through Ontario the crop outlook is excellent. In Western Ontario where excellent. In Western Ontario where winter wheat is mostly grown some are forecasting general yields of from 30 to 40 bushels per are. The mar-ket at the moment is quiet with no-thing exciting about it. Red and White are quoted here at 95 to 96c, and goose at 75 to 80c, at outside

COARSE GRAINS

As with wheat, there is prospect of a big yield of coarse grains. Oats are likely to be a bumper crop. The U. S. crop, according to reports, is likely to yield, but the average quallikely to yield, but the average qual-ity will not be as high as iast year. The market has ruled quiet of late. Soc is the highest quotation at Mon-treal and 47c here, which are good prices for this cereal. The barley and pea market rule quiet, but steady at quotations. Corn crop conditions and pea market rule quiet, but steady at quotations. Corn crop conditions in the United States, generally speak-ing, average about the same as they did last year at this date. The corn outlook here is not the best, though the recent spell of warm weather has improved things somewhat.

HAY AND STRAW

Canada will have at least a good average hay crop if not a "bumper" one. Reports from Quebec indicate average hay crop if not a "bumper" one. Reports from Quebec indicate that while new meadows will give big yields the old meadow crop will be on the light side. The weather has not occur the most favorable for haying and consequently a good deal of badly cured hay will result. In fact some of this quality has already appeared on this market. While a fair demand exists at Montreal for good quality, the market here is dull at \$7:50 to \$7:75 per ton for baled No. 1 timothy in car lots, and \$6 for No. 2. Receipts are heavy. Baled straw rules steady at \$2;57 to \$6 per ton, for car lots on track. EGG6 AND POULTRY

EGGS AND POULTRY

The hot weather has played havoc The hot weather has played havoc with egg receipts, many of them ar-riving in bad condition. Trade is steady, though very little is being done in an export way. Some Eng-lish buyets, who have come to Can-ada for supplies, have been unable to buy owing to the price being too high. Straight stock at Montreal is quoted at to to 16% Prices hold quoted at to to 16% Prices hold many and the state of the price of the product of the one of the state of the theory is a state of the state of the price of the state of the price of the state of the state

POTATOES AND BEANS

New potatoes are in good demand here at 80 to goc per bushel and \$2.50 to \$2.75 per barrel. Good beans seem to be very scarce. Choice primes are quoted at Montreal

at \$1.60 to \$1.65.

FRUIT

The outlook for apples seems to The outlook for apples seems to indicate a fair average crop of fall and winter fruit. A big apple crop is promised in the vicinity of Montreal. Receipts of small fruits here have been somewhat light, especially strawber-ries, which are selling at 9 to 11c wholesale. Raspberries and hucklewholesale. Rasporties and number betries have begun to arrive; the former are quo'ed at 12 to 15c and the latter at 9/2 eper qt. Sweet cher-ries sell in a wholesale way at \$t to \$1.25, and red at 80c to \$t per large hoster.

DAIRY PRODUCTS

The cheese market is firmer and higher. An increased consumptive demand in England is said to be the cause. Stocks there demand in England is said to be the cause. Stocks there are fight also. Cheese are now quoted at 9s to tos more per 112 bis in Great Britain, than at this side are from 2st. Prices on this side are from 2st. Prices on this side are only and the side are higher prices, our exports so far are considerably ahead of last year. On-tario cheese is quoted at Montreal at 05's to toe, and Quebecs at 05's to 95's. At the local markets, from (5's to blic seem to be the ruling figures. The butter market also shows an advance. Choice creamery is quoted at Montreal at 2tc, and undergrandes at Montreal at 2tc, and undergrandes

THE CROWN BA

a firmer tone at 10 to 21c for cream-ery prints, and 18 to 19c for solids. Choice dairy rolls sell at 15 to 17c, and tubs at 15 to 15%c in a jobbing way. There has been large buying of creamery butter in the country of late and very little if any June make is in the factories. This butter is said to have been bought on Eng-lish account.

WOOL

Wool prices keep up. London wool sales report all varieties from 4 to 10 per cent dearer. At Mon-treal, Canadian pulled wool is quoted at 30 to 3/c; washed heece at 20 to 27c, and unwashed at 18 to 20c. Here cashed the sec at the sec at the sec unwashed is quoted at 15, and wash-ed at 24 to 25c. It is reported that some sales have been made at On-tario points at 26 to 27c for washed

LIVE STOCK

LIVE STOCK The receipts of live stock have ruled heavier of late. There were 79 cass at the city market on Tues-day last and 83 at the Union Stock Yards, Toronto Junction, on Mon-day last. The quality of the fat cathe offering is only fair, but few well finished lots coming to hand. At the city market trade has ruled slow and dull excepting for well inished stable cattle. But few exporters are offering. They bring from \$4,75 to \$5,25 per cwt, the bulk going at \$5, Export bulls are slow of sale at \$3,50 to \$3,75 per cwt. Prices for butchers' cattle rule lower this week than since the April boom. Picked lots bring \$460 to \$4,72, with very

Capital Authorized, \$2,000,000.00.

Head Office, Toronto, Ont.

EDWARD GURNEY. PRESIDENT

EVERY DESCRIPTION OF BANKING BUSINESS TRANSACTED.

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Q. de C. O'GRADY, General Manager.

The Canadian Produce Markets at a Glance

The highest quotations of prevailing prices for standard grades of farm produce in the leading markets on the dates named. Poorer stuff lower.

Date		Toronto		Montreal 12		St. John		Halifax		Winnipeg 10	
Oats, per bushel		46		50	56	-57		55		41	
Barley, per bushel		48		51		55		56		40	
Peas, per bushel		72		St		77		78			
Corn, per bushel		64		61		65		66			
Flour, per barrel	4	30	5	10	6	00	6	10*	4	60	
Bran, per ton	14	00	15	00	22	50	22	50	14	00	
Shorts, per ton	17	00	17	00	22	50	24	00	16	00	
Potatoes, per bag	1	25		62	30	-35bu	30	-35bu	t	00	
Beans, per bushel	1	65	1	70	1	80	1	90	T	75	
Hay, per ton,	7	75	9	00	13	50	13	00	8	00	
Straw, per ton		00	5	50	9	00	9	50			
Eggs, per dozen		17		15%		18		17		15	
Chickens, per pound, d.w		17		16	per	1 00		00	per		
Ducks, per pound, d.w		15		15	field.	1 00	1	00	1b.]	12	
Turkeys, per pound, d.w		13		15		20		20		18	
Geese, per pound, d.w		12		13		16		16		1.1	
Apples, per barrel		00	3	50	3	50	3	50	6	00	
Cheese, per pound, d.w		10%		10%		111/2		12		1014	
Butter, creamery, per pound		21		20 1/2		22		22		21	
Butter, dairy, per pound	i: - :	17		17		18		20		16	
Cattle, per cwt	5	25	5	25	5	50	6	00	4	00	
Sheep, per cwt	4	00	3	75	5	50	5	50	5	00	
Hogs, per cwt	6	25	6		7	00		00	5	75	
Veal Calves, per cwt		75	5	25	5	00	6	00			

550

THE FARMERS' EXCHANGE

One Cent a Word CASH WITH ORDER

Advortisements under this head one cent a word, Cash must accompany all orders. No display type or cuts allowed. Each initial and mumber counts as one word.

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OENTLEMAN'S HOMESTEAD for sale, in the City of Brantford, consisting of nearly ." good drive house and stability, root cellar, hose nouse, brick ice and coal house, two orchards foods and churches. Grand Trunk tired farmer. Write or call upon 8. G. READ 480N, 120-Colborne Street, Brantford, Ont

& 200X, 129 Collaborate Street, Brandford, Out ERRSTCLASS DAILY OR STOCK FARM, 180 acros, well watered. 8 miles from Toronto. Large new bank barn, hong pen, poulity house, New solid brick house. Possession next spring, Torma (a suit purchaser. For further particulars address F. G. GARHUTT, 234 Euclid Ave., Toronto.

LIVE STOCK

SHORTHORNS-The beef and butter combination. South colliss from imported slock. Write for particulars. H. C. GRAHAM, Ailsa Craig, Oat.

SHROPSHIRE Rams and Ewes of all ages for sale at reasonable prices. J. W. GOSNELL & SONS, Ridgetown, Ontario.

NURSERY STOCK

WANTED-Energetic, responsible men to seil fruit trees, ernamental trees, etc. Canrageing outfit frees, Liberal pay weakly. Arlage have a special line of meed pois time nerbefore offered for sale in Canada. For best terms apply NOW, PELHAM NURSERY UOMPANY. TOTORIO, ON.

SALESMEN wanted for our hardy Nursery Stock. Choice Specialties. Liberal terms, Elegant outfit free. Pay weekly, CAVERS BROS, Gait, Out.

STRAWBBRRY PLANTS - All the new kinds, raising big crops of big fancy beries, \$1.0 in plants will grow enough for you and your neighbors. Our prices are low. A. W. SMITH, Box F. Beachville, Ont.

SEED FORATORS-ORDINATE, Ont. SEED FORATORS-ORDINATION College Farmexperiments with 104 varieties, some yieldes dot, others 125 bushels, some half rotten, others none. What kind of croppers are you growing feet some new seed, double your crops. Bon't few prices. A. W. SMITH, Box F. Beachville, Ont.

WANTED—A few good reliable men, with horse and rig to introduce and sell our goods ; also a local agent in towns where we are not represented. Exclusive territory, permanent work and good pay. R. H. CO., St. James, Montreal.

POULTRY

BUFF ORPINGTONS-8 breeding pens this season, headed by imported and prize stock, Eggs 51.09, 24.09 and 83.00 per setting. Incubator eggs \$5.00 per 100. Write at once for free catalogue describing them. J. W. CLARK, Pres. Orpington Club, Importer and Breeder, Cainsville, Oat.

HELP WANTED

BRIGHT YOUNG MEN wanted to prepare for positions on Canadian railways. Salary forty to sixty dollars per month. Write for free beek giving Morse alphabet. DOMINION SCHOOL OF TELEGRAPHY, Toronto.

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ROAD ROLLERS, Graders, Plows, Scrapers, Rock Crushers, Elevators, Screens, Hins, Spreading Wagons, Duno Carts, Concrete Tile Moulds, and Contractors' Supplies, Catalogue, prices and estimates free. SAW YER & MAS-SEY, Road Machine Department, Hamilton, Canada.

CONCRETE MOULDS—Assorted sizes, new Steel Moulds (all diameters) for manufacturing concrete drain tile, well curbing, etc. Newest and nicest thing yel. Gei prices of our inexpremive concrete nixer also. SAWYER & MASSEY, Road Machine Department, Hamilton, Canada. iew reaching these figures. The best loads sell at \$4z5 to \$4.50; medium, \$3.75 to \$4.25, and common, \$2.50 to \$3.50 per cwt. Feeders and stockers are lower in sympathy with fat cattle. Light feeders sell at \$3.75 to \$4, and stockers at \$2.55 to \$3.50 per cwt. Trade in milch cows has been slow. They sell at \$3.5 to \$50 each, with very few reaching the latter figure. Veal calves are firm and sell readily at \$2 to \$10 each, or \$3.50 to \$5.75per cwt.

Trade in sheep has been fair at steady to firm prices. Export ewes are quoted at \$3.75 to \$4, and bucks at \$3 to \$3.25 per cwt., and lambs at \$3.50 to \$5.25 each.

While deliveries of hogs are not large, prices are lower at \$6.25 for selects and \$6 for lights and fats. Buyers complain of too many rough untimished light as well as some icasy fat hogs coming forward. It is claimed that this class of hogs are not wanted. But who is to blame for their increase in numbers but the buyer who does not pay a sufficient premium for selects. If the packer can pay only \$6.25 for selects, then reduce the price of lights and fats to \$5.50 per cwt, and the supply of the latter will soon fall off.

HORSES

The local horse market here is dull, though not any more so than is usual at this season. General prices, however, for all classes are well maintained. The draft horse is still to the top. Geo. Little, of Scarboro, sold a two-year-old filly, bred by Lyon Macgregor, to Mossom Boyd, of Owen Sound, for \$75. Current prices at the Repository, Toronto, are as follows: Sincle resulters, its to 16 hands.

Single roadsters, 15 to 16 hands, Sizg to Skoo; single cobs and carriage horaes, 15 to 16.1 hands, Sizg to Szag; matched pairs and carriage horaes, 15 to 16.1 hands, Sizg to Szag; to Sit6; general purpose and express horaes, 1,200 to 1,330 bbs, Sizg to Si7G; draught horses, 1,350 to 1,750 lbs, Sizg to 500; serviceable secondhand workers, Sco to Spo; serviceable second-hand drivers, Sco to Stor.

MARITIME MARKETS

Halifax, N.S., July 10, 1905.

There is a slight tendency towards easier prices in eggs which was so long looked for. Island handlers are Upper Provinces the expectation is that hot veather will see a reduction in price. They are still jobbing here at 17 to 18 can dthe demand is good at that price. The shortage in receipts is nuaccontable.

ceipts is unaccountable. Receipts of butter are improving, but are far below the average for this season of the year. The price remains as firm as ever, and the fact that large handlers in the Upper Provinces are putting a lot into cold storage at present prices does not look as though they anticipate any material reduction. There is a consistemery butter now of the market. Creamery tutter now on the market at c. creamery prints 22c, and dairy tubs 18c.

The outlook for cheese factories is not very promising, due principally to the scarcity of milk.

In vegetables there is now nothing but imported stock on the market with the exception of old potatoes, which are plentiful at t for three bus. bag. Native strawberries are making their way on the market at 18 cents per box.

In the matter of flour and feed the market is firm and the buying demand good. The crop outlook for the province is good and the hay yield promises to be large.

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Dairy Farmer's Discouragement

The chief weaknesses of the dairy industry from the farmer's point of some seasons, for labor and capital expended. During a great part of the season of 1994 the money received for butter and cheese did not pay the man who mikled the cows, and he grew discouraged. It would seem as if there should be some way to prevent these discouraging seasons. The chief cause is doubtless appendent the standard of the attention of political economists. 2. Lack of paying cows. When one considers how difficult it is to obtain and maintain a herd of first-class cows, some allowance must be made for the man who milks some poor cows. But one of the greatest hindrances to the accuring of better cows. But one of the greatest hindrances to the accuring the breeding dairy stock. The use of purched airs and the sticing the oreeds, are the two main requestes for success in establishing and maintaing a dairy herd.

and maintaining a dairy herd. 3. Lack of proper reward for improved efforts is another weakness irom the viewpoint of the dairy farmer. We still find the same price being paid for all kinds of milk and cream regardless of its true value. As a result of this many of the best and most progressive patrons of our factories are leaving the factory and making the milk up at home, or are sing mile and cream to the citys like Toronto flooded with dairy butter which often sells for a price that can leave little or no profit for the farmer; yet he considers this better than the injustice meted out at many factories. Grading of cream at creameries, and payment for milk according to its cheese or butter value are steps that should be taken by factory owners in order to give justice to all and to retain the patronage of the best farmers.

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romage of the best farmers. 4. The labor problem is also a difficult one for dairy farmers. Especially is the milking of cows a serious question. We feel confident, however, that a practical milking machine will be placed on the market in the near future. In the mean-time dairy farmers should not grow discouraged as dairying is and will continue to be the best paying branch of agriculture throughout a term of years—Prof. H. H. Dean, O.A.C., Guelph.

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The Patient Farmer

The teamster strikes for shorter hours, the miner wants more pay, the mason and the carpenter demand an eight-hour-day. The section hand throws up his job, the factories are closed, and everybody else, it seems, to work is indisposed. But still the farmer never kicks; he plants and sows and plows; he works till dark and then goes home and milks ten head of cows. He never asks for shorter hours; he stops not to complain; he's up at four o'clock next day and milks the cow segain. Then sings his merry tune, and wonders what the price of hogs is going to be next June.—Exchange.

Movement for Good Seeds

Movement for uson secus (Continued from p. 532.) send a seed institute train over the west in the interests of good seeds. The Canadian Seed Growers' As-sociation is no longer affiliated with the Department of Agriculture at Ot-tawa, but is a separate and distinct organization receiving an annual grant to earry on its work.

to carry on its work. Owing to the wish of the Minister

Owing to the wish of the Minister of Agriculture that no officer of his department be allied with any sepa-rate organization receiving Govern-ment aid, Mr. G. H. Clark, Chief of the Seed Division, was compelled to relinquish the secretaryship. His branch will, however, co-operate in every way in furthering the work of the association

every way in intracting the work of the association. In Mr. Newman, the new secre-tary, the association has an enthusi-astic and painstaking official. Though he is not "seedy" he has been well schooled in the growing and selection of seeds. of seeds. Prof. Robertson made an

ideal chairman. His pointed remarks, in-terjected frequently during the con-vention, kept up the interest and inspired the members with new zeal and energy. On Thursday, June 29th, the mem-

ber spent the morning in visiting the bers spent the morning in visiting the Central Experimental Farm, where they were right royally entertained by Dr. Saunders and his staff. The Farm is looking particularly well at

this season. A deputation from the association waited upon the Hon. Mr. Monteith, and asked his co-operation in mak-ing a creditable exhibit of seeds at the Winter Fair at Guelph. Mr. Mon-teith promised to assist in any way he could to attain this object. J. W. W.

34 J. W. W. Poultry Bulletins Three bulletins containing useful information for the poultry Division of the Live Stock Branch at Ottawa. Bulletin No. 7 is a re-written and revised edition of "Profitable Poul-try Farming" (No. 6), and contains chapters on (1) Incubation, (2) Brooding, (3) The Chicken Trade, (4) Selection of Suitable Breed, (5) Crate-fattening Chickens, (6) Prepar-ing Chickens for Market, (7) Mar-keting, (8) Some Station Work, (9) The Egg Trade, (10) The Flock, (11) Feeds tor Poultry, (12) Trap's Nests, Bulletin No. 8, "Farmer's Poultry House," a pamphlet of 15 pages, treats of a needh lochion and es-form and gives plans of severe good poultry houses used in Canada. Sta-tistics of the value of poultry in Can-da, divided into provinces, with quantities exported, etc., are includ-Bulletin No. 9, "Diseases and Pra-

Bulletin No. 9, "Discases and Para-sites of Poultry." also a pamphlet of 15 pages, describes the various dis-eases affecting poultry, with the treat-ment adopted by successful poultry men.

Any or all of these bulletins may be had on application to F. C. Elford, Chief of Poultry Division, Ottawa,

Demand for Seedless Apples

The owners of the seedless apple The owners of the secaless apple orchard in Colorado have received a letter from a London, England, firm asking for the entire crop for several successive years. Some time ago four secaless apples were sent to England as curios and attracted much attention and have ac it is chimed attention, and have, so it is claimed, resulted in a demand for the seedless apple that cannot be supplied from the a,500 trees in Colorado.

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