

PUBLISHER'S DESK

A Splendid Journal

I think THE FARMING WORLD is a splendid journal for farmers and as it is within reach of all it should be patronized by all.—Fred. Cheeseman, Glengary Co., Ont.

Cure of Thoroughpin and is Good for all Bunches

Thamesford, Ont., Jan. 12, 1905.
The Lawrence-Williams Co., Cleveland, O.:

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FRANK PETTIT.

A New Use for Flax—May Possibly Be Made in Canada

There is no country in the world that is better adapted to the culture of the flax crop than Canada, especially in Ontario and the Northwest. It is perhaps the best crop that can be used as a "primer" or first crop on new soil, or when the meadow lands are in the course of rotation. The value of the flax crop is for its seed and fibre. As it is costly to pull flax by hand in order that it may be made into dressed flax at the mills, farmers usually prefer to simply cut it and thresh it for the seed. In this way the straw is of no special value.

The latest use that is being made of the fibre is for insulating purposes. The Union Fibre Company of Winona, Minn., manufacture an insulation called Linofelt. This is made from the flax straw, that has been put through a special process. The straw is hackled and the fibre degummed by a chemical process, this is then matted between rosin-sized paper making a matting of about 1/4 inch thick. The fibre in this form is very durable, and is said to be thirty-eight times as warm as building paper.

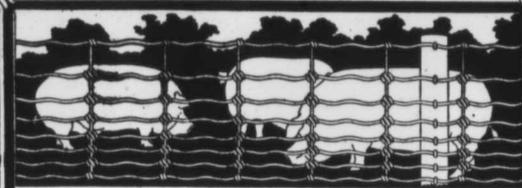
The possibilities for such an industry in Canada are wonderful. The market is here for the product, as the problem that has always confronted builders in this country is to make houses warm enough, and now that there is a scarcity of wood throughout the country it is becoming necessary for farmers in many districts to use coal, so that the warmer the house the greater will be the economy in fuel.

The product Linofelt is now being imported in large quantities, as it is being used for insulation in cold storage construction, as well as for houses.

It would be a good thing for the Canadian farmer if we could have such a means of disposing of the flax straw, as the flax crop could then be made much more profitable than it is at present.

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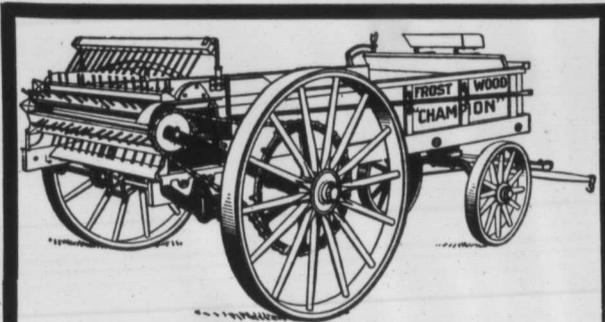
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Record Price for a Yearling Bull

At the recent sale of Shorthorn bulls at Perth, Scotland, Mr. Fred Miller, of Birkenhead, England, bought for the South American market Lord Lovat's prize youngster, "Broadhooks Champion," for the record price of \$7,875. The average price of the young bulls was near \$420. The entire 314 animals offered averaged \$370 each, or \$170 per head more than the average of last year's sale.

Royal Agricultural Shows

The shows of the Royal Horticultural Society of London, England, will be held this year on March 22-34, June 6 and 7 and December 4-5. The one of special interest to Canada is the last one to be held in December.

Please mention The Farming World when writing Advertisers.

The Farming World

And Canadian Farm and Home

Vol. XXV.

TORONTO, 15 MARCH, 1906.

No. 6

The Farm Help Supply

As spring approaches the farm help problem becomes more acute. The situation this season, however, does not appear to be as serious as on some former occasions. Mr. Thomas Southworth, director of Colonization for Ontario, informs us that the number of applications received for farm help to date is not as large as at this time last year. The decrease is not very great, just sufficient, perhaps, to indicate that the demand for farm help is not so keen as at this time a year ago.

However, there may be other reasons for this falling off in applications. Previous to this year the Salvation Army and the Ontario Labor Bureau were the chief agencies engaged in this work. The Dominion Immigration Department has now entered the field and has established agencies in several counties in Ontario through which farmers can be supplied with help. In addition, there are several private agencies engaged in the same work, so that the farmer is much better looked after in regard to help than he was a few years ago.

So far as the quality of the help is concerned, there is, perhaps, little improvement. The percentage of experienced help coming in from the old land is not large, the great majority of immigrants being recruited from the towns and cities. Care is, however, taken by the larger agencies to secure only sober and industrious people who desire to better their condition. Those who arrived the other day, through the Rothechilds agency, are said to be of a better type than some others that have come to the country recently. These were all placed by Mr. Southworth before their arrival in Toronto. A number more are expected shortly. He has been sending out help all winter, which fact, with the other agencies in the field, may account for the slight falling off in applications this spring.

Clydesdale Horses for the O. A. C.

The purchase of three pedigreed Clydesdale mares by the Minister of Agriculture for use at the Ontario Agricultural College marks a new era in the history of horse-breeding in Ontario. Other than the keeping of a good class of work horses, nothing has ever been done at the College in the systematic breeding of horses. The keeping of a number of high-priced horses for breeding purposes has been looked upon as too costly an undertaking for the College to engage in. And, perhaps, it was in those days when the College had not so strong a hold upon the farming public as it

has today. Of late years, however, there has been an urgent demand from the horsemen that something should be done towards giving the students at the College a thorough training in, and a practical knowledge of, the principles of horse breeding. Mr. Monteith will, therefore, receive the hearty support of horsemen generally in his efforts to supply this need. We understand that it is not the intention of the Department, for the present, at least, to place stallions at the College. The aim will be to keep a number of good brood mares of the leading breeds and demonstrate the principles of good breeding by breeding these to suitable stallions selected from the leading studs of the province. More than this should not be expected at the beginning.

It is worthy of note that Clydesdale breeding stock is to be found at nearly every agricultural college in the United States. The individual, more than all others, responsible for this, is Mr. R. B. Ogilvy, secretary of the American Clydesdale Association, who was a purchaser of one or two good ones at Mr. Davies' sale. He is a practical Clydesdale breeder of repute and has never failed to keep the "Scotchman's draft horse" to the front at all times. There are those who say that if the Canadian Association had had a man of this stamp as its executive officer, the Ontario Agricultural College would not have remained so long without good breeding stock of the Clydesdale kind in its stables. However this may be, it is to be hoped that now that a good beginning has been made, practical education in horse-breeding will be given the attention its importance to the country demands.

Toronto Fair and the Agriculturist

The new plan of electing directors of the Toronto Industrial Fair Association has not worked as well for the agricultural end of the concern as the old method. True, the agriculturist is well represented in three or four of the men elected, one of whom has been chosen president, but the number on the board directly representing agriculture is not so large as it was a year ago. This should not be. The agricultural section is the most important part of the exhibition and should be adequately represented on the board of directors.

The new arrangement provides that there shall be twenty-four directors, eight appointed by the City Council, eight representing agriculture and eight representing the manufacturers. But it does not work out this way in practice as the recent election shows.

Instead of having a third representation on the board of directors the agriculturists have only three directors who may be said to directly represent their interests. The reason for this is that representatives to the manufacturers' section and those appointed by the City Council have the right to vote for directors representing the agricultural section. This plan mixes up the vote and makes it almost impossible for the agricultural section to get its proper representation on the board. The only way things can be satisfactorily arranged is to have the agricultural section elect its own directors and the manufacturers the same. There should be no objection to this, if the powers that be are at all sincere in their desire to have the agriculturists adequately represented. Why should the City Council or those representing the manufacturers have the right to say who shall represent the agricultural section, or why should the agricultural section have any say in who shall represent the manufacturing interests on the board? To continue this arrangement will only complicate matters and prove to be the thin edge of the wedge that will eventually alienate, to a very large extent at least, the interest of the agriculturist in the exhibition. Let there be fair play in this matter. The representatives from the live stock, dairy, fruit, and kindred associations know better than anyone else who are most capable of representing their interests on the board and they alone should be allowed to say who they shall be.

The Farmer's Wood Lot

It is expected that a forward movement will be inaugurated this year in respect to farmers' wood lots and the reclamation of waste lands. What is aimed at is the establishment in each county of at least two experimental wood lots on farms centrally located so as to be easy of access and which would serve as models to farmers in the district. It is proposed to supply farmers, who will give a small portion of their land for experimental wood lots and give it a reasonable amount of care, with suitable and specially selected saplings. Experts will advise as to the planting, etc. It is expected that the Ontario Department of Agriculture, the Ontario Agricultural College, the Experimental Union and the Farmers' Institutes will co-operate in carrying on this work.

Demonstration work of this kind, if properly conducted, should prove effective in stimulating an increased interest in the farmer's wood lot. If

it can be shown that a replenishing of the wood lot or a reclamation of waste lands can be successfully carried on, many farmers, we are assured, will take up the work. There is great need for it in the older parts of Canada where wooded lands are being denuded of tree life quickly and ruthlessly.

EDITORIAL NOTES

The total sheep in New Zealand on April 30th, 1904, numbered 18,280,806, and on April 30th, 1905, 19,130,875, showing an increase of 850,069 during the year.

Spring is on the way and in a week or two one of the busiest seasons on the farm will begin. The farmer who has everything in readiness to begin seeding operations as soon as the land is in condition will be ahead in the game. Do not put off till to-morrow what can be done to-day.

Many parts of the country will appreciate the value of good roads this winter. The continued open weather has rendered the roads in many sections almost impassable. This should be a good time for the good roads advocates to get in their work.

The request made by the Dairy Associations last week that the government enact a law licensing cheese factories and creameries, is worthy of note. While there are no doubt objections to legislation of this kind, it would nevertheless help to place the dairy industry on a better footing.

In the estimates recently brought down in the legislature there is an appropriation for agriculture of \$446,406.95 as compared with \$388,243.00 last year. The increases are spread over several branches, the chief ones being for agricultural societies, live stock, farmers' institutes, dairying and the Agricultural College.

According to estimates furnished by the Department of Agriculture at Washington, the total number of cattle, hogs, sheep, horses and mules in the United States on January 1st, 1906, was 191,719,436 head, or 18,040,183 more than were recorded the corresponding date of 1905. The total valuation is given as \$3,675,389,442, showing an increase of \$668,808,705 as compared with a year ago.

The average price of all farm animals on the farms of the United States, on January 1st, was \$19.17 per head, or \$1.96 per head more than a year ago. The greatest gain per head was in mules, or \$98.31 against \$87.18 a year ago. Milch cows made a gain of \$2 per head, while other cattle, including calves, averaged 70c. higher than a year ago. All kinds of cattle made a gain of \$1.19 per head, hogs 17c. and sheep 72c. per head higher than in 1905.

Toronto Fair's New President

The election of Lt.-Col. John A. McGillivray to the presidency of the Industrial Fair Association is not only a tribute to his ability and worth, but also to the agricultural interests of Ontario, which he has so ably represented on the Association's directorate for several years past. Although a lawyer by education, and holding a prominent position on the executive council of the Independent Order of Foresters, Mr. McGillivray has always taken a direct and personal interest in agriculture. He was born and brought up on a farm in Pickering township, Ontario county, and today there are few men in Canada who have a larger investment in agriculture than he. His present investment totals upwards of \$50,000. For twenty years he operated a farm near Uxbridge. This farm he rented a couple of years ago, and purchased a 300 acre farm on Yonge street a few miles north of Toronto, which he now personally supervises.

Mr. McGillivray has a continental reputation as a breeder of Dorset



Lt.-Col. John A. McGillivray.

Horn sheep, his flock always standing at the top in the showings of both Canada and the United States. He also breeds Scotch Shorthorn cattle, Clydesdale and Shire horses and Yorkshire swine. He has, therefore, a direct and personal interest in agriculture and is closely identified with Canada's important live stock industry. He has always taken an active interest in the work of the breeders' associations and few members have been more active or done more than he has to advance the interests of live stock in his native province.

For many years Mr. McGillivray has been a representative from the Dominion Cattle Breeders' Association to the Industrial Fair Association. Six years ago he was elected to the board of directors of which he has been a member ever since. For two years he was chairman of the sheep and swine committee, then followed two years as chairman of the cattle committee. In 1904 he was a member of the executive committee and in 1905 was elected 2nd vice-president, to be followed in 1906 by his election by his fellow directors to the responsible position of president of Canada's great national exhibition. The honor is well deserved, and has given peculiar pleasure to stockmen all over the country. With Lt.-Col. McGillivray at the helm the agricultural interests of the ex-

hibition are not likely to suffer and we shall look for the completion of the live stock arena, horticultural hall, etc., at an early date.

Record Committee Meets

The record committee met in Ottawa last week. Among other important business transacted was the appointment of Mr. John Brant, of the Live Stock Commissioner's Branch, to the position of Chief Clerk and Accountant, in the national record office, in the place of Mr. Frank Wade, who has resigned. Before going to Ottawa a couple of years ago Mr. Brant was in the Department of Agriculture, Toronto. He has, therefore, some knowledge of the work expected of him and should be well qualified to fill this important position.

Ayrshire Scale of Points

On March 7th an important committee, comprising Mr. Ballou, Middleton, N.Y., and C. M. Winslow, Brandon, Vt., President and Secretary of the American Ayrshire Breeders' Association, and R. Hunter, President, Maxville, J. G. Clark, First Vice-President, Ottawa, and W. F. Stevens, Secretary of the Canadian Ayrshire Breeders' Association, met at Ottawa and discussed the question of a uniform scale of points for judging Ayrshires in the United States and Canada. The Canadian scale, revised about one year ago, was decided upon, with some modifications that bring it more up-to-date. The milking qualities are strongly emphasized, 37 points out of 100 being given to the udder, teats, escutcheon and mammary glands. The benefits to be derived from a uniform scale of points for both countries are many. The market for Canadian stock in the United States is increasing and it will be of advantage to have one type. With a common scale judges can go from one country to the other as judges at the leading shows.

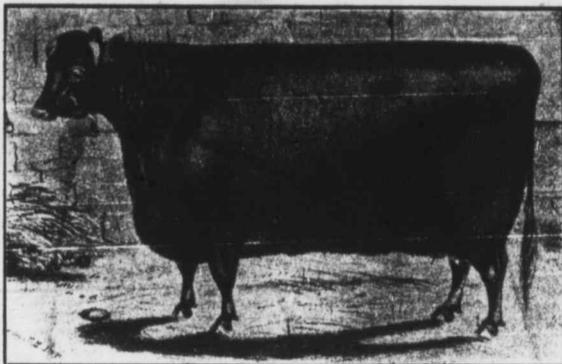
The committee decided also to approach the Scottish Ayrshire Breeders' Association with a view to securing a uniform scale of points for the three countries. The request will be presented by Mr. Robt Hunter, in person, the coming summer.

Later Messrs. Clark and Stevens waited upon the Hon. Mr. Fisher and completed arrangements for carrying on advanced registry. From present indications there are likely to be a large number of applicants.

West Bruce Institute.

A successful series of Institute meetings were held at Allenford, Burgoyne, Southampton, Tiverton and Underwood, the last week of February. Though the roads were not the best there were good audiences at these meetings. The speakers were Messrs. John Gardhouse, of Highfield, and Jno. S. Pearce, London, the former discussing the improvement and profit in live stock and the latter seed grains and noxious weeds. At Southampton Mr. W. A. Mitchell gave a valuable paper on lawn decoration. At Allenford a stock judging contest took place at which 11 young men competed, Mr. Gardhouse acting as referee. The Allenford branch of the Women's Institute also held a meeting, which was largely attended.

The West Bruce Institute is fortunate in having as president and secretary Mr. P. Cummings and J. H. Wisner respectively. They are live, active men who know how to enthuse the people and get them out to meetings.



The Queen of Athelstane at 4 years of age. Imported in 1864 by the Hon. David Christie, Brantford, Ont.

Sittyton Influence Spreading—No. 5

By THE HON. JOHN DRYDEN, President Canadian National Live Stock Association.

It was in the early seventies that the demand for Mr. Cruickshank's cattle began to be felt, coming more especially from the Western States where many good specimens had been scattered and several of them had been exhibited extensively. The late Jas. I. Davidson made another importation in 1873, selected as before. By this time he saw the ever increasing demand coming upon him from the United States, and he determined to cross the Atlantic in person and select for himself; but he doubtless had another and more important reason, which was to arrange for the entire output of the Sittyton herd. This he successfully accomplished, and for many years the entire crop of calves, both bulls and heifers, except those needed to keep up the herd, were brought over to Canada. The entire amount received from the sale of bulls, less necessary expenses, went to Mr. Cruickshank on the understanding that all the heifers should become the property of Mr. Davidson at a moderate sum. It was a splendid arrangement for Mr. Cruickshank and it made money for Mr. Davidson also. By this arrangement the Scotch breeders were shut out from the selection and use of the Sittyton bulls for some time.

This trade for the

SITTYTON CATTLE

ran high for several years, and the arrangement made served to transplant some of the best blood in the herd to various parts of Canada and the United States. There were only a few breeders in Scotland who were able to secure a choice animal after the arrangement with Mr. Davidson. Mr. Duthie and the elder Mr. Marr were both favorites at Sittyton and each secured some choice sires. Later on Mr. Duthie made an arrangement for securing the choicest bull calf after Mr. Cruickshank had secured his own, which lasted for a number of years, so that both these herds to which the whole Shorthorn world has since turned for the best specimens of the breed were full of the choicest blood of the Sittyton herd. Indeed it is certain that the reputation of both dates from the time that these sires and only these were used.

On this side a different situation was presented. Another proposition faced the breeders, which was this: Having a herd of well-bred Sittyton cattle, and realizing the danger of fur-

ther in-breeding, with what blood should they be mated? The Booth bulls did not seem to be suitable, and one naturally turned to the Bates-bred cattle. The writer and Mr. Da-



The late James I. Davidson.

vidson discussed it frequently, and it is no secret that one of the strong reasons for attending the New York Mills sale was to see if there was a well-bred Bates bull suitable for this

purpose. One was selected by the catalogue, and on arriving we lost no time in discovering this animal. When we found him we looked him over and neither of us ventured to speak for some time. Our silence was the best evidence that nothing good could be said. There was really

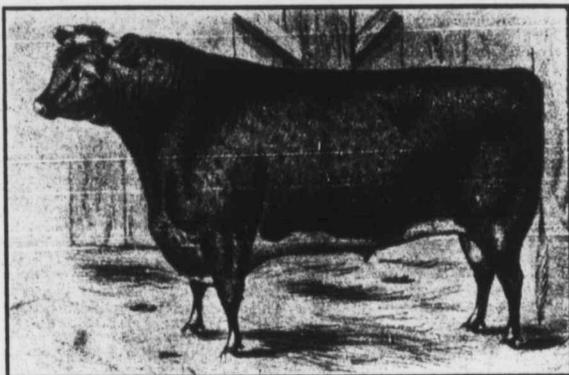
NOTHING WORTH LOOKING AT BUT HIS PEDIGREE.

This still remained, but we decided it was worthless as a cross for our Cruickshank heifers. This, I think, ended our search for a Bates bull. Shortly after, at the sale of Hon. David Christie, Mr. Davidson secured Crown Prince of Athelstane 2nd, then quite a young calf. He developed into a good bull and on the dam's side had a splendid ancestry, his grand dam being the imported "Queen of Athelstane," mentioned in a former issue (see cut). No better cross than this blood could have been found, but I always thought it a pity that his sire had not been a better bull than "Knight of St. George." My judgment would be that it was an improper mating for best results. Strange to say, Crown Prince of Athelstane 2nd was the sire of many choice heifers of the Athelstane stamp, but so far as I know he never left a really choice bull. If instead of Knight of St. George, Royal Hampton could have been used on the Athelstane cows, I think I could guarantee the male progeny to prove much superior all round sires. The type was similar and the blood not too remote to mix and blend together. The result, I can imagine, would have been a blessing to the whole Shorthorn breed.

Mr. Davidson, after his arrangement with Mr. Cruickshank, became the medium through whom these cattle spread almost entirely in the United States.

NEW BREEDERS

followed each other in quick succession, seeking to make purchases from among the females, while the bulls were sold readily at steady prices to cross on many of the Western herds. Several enterprising breeders kept the Scotch specimens before the people at the largest agricultural exhibitions where they invariably came to the front. Among these may be mentioned J. H. Pickerell, Messrs. Kissinger, Spears, Col. King, and some others. Perhaps the strongest exhibitors and the ones who held back the competition of the Herefords for the first place as a beef breed were the Messrs. Potts. They not only won repeatedly among Shorthorns, but as well against other breeds, and continued a successful show-yard career



Crown Prince of Athelstane 2nd (2632) at 3 years of age. Bred by Hon. David Christie.

for many years. The main portion of their herd consisted of specimens of new Scotch type. These successors gave to the Scotch, and especially the Sittyton cattle, much added prestige, and from that day they have continued to hold it. Many importers visited Scotland for choice specimens, but Sittyton cattle could not be obtained. Others were discovered, many of which were superior, although not strictly of Cruickshank breeding. These were brought over and soon the expression "Scotch" was considered by many as equal to "Cruickshank." This is a foolish conclusion. There are hundreds of breeders in Scotland with no reputation, no special line of breeding, and among their cattle no record as prize winners; yet, because they reside in Scotland their cattle have been purchased and brought to America to be sold as "straight Scotch."

Many of these cattle are entirely lacking in prepotency and therefore their use has frequently been disappointing; while others of them have been so improved by the use of sires from the Sittyton herd, other than those used directly on the Sittyton cattle, as to show much better results.

THE TERM "ALL SCOTCH"

is meaningless, and careful breeders always study closely the particular breeding indicated in the pedigree. "All Scotch" and "Imported" have about equal value when appended to a pedigree, and neither term of itself is worthy of any particular consideration.

In the early days when the cost of importing was a very considerable amount, and when the risk was much greater than at present, it may be assumed that it was not worth while to pay the expense and take the risk on an inferior animal, and hence "imported" probably meant that the animal was well selected; but since the days of the steamships, both the risk and expense have been so lessened that they have no influence whatever on the selection, and a breeder in Scotland or Canada or the United States or Australia, ought, on the merits of his cattle, to have precisely the same standing. If we have not yet reached that opinion generally it will not be long before it must be accepted as sound doctrine.

In 1887, foot and mouth disease broke out in Great Britain, and for some years cattle could not be imported into Canada. The embargo did not exist in the United States, and several shipments went direct from Scotland into that country, so that Canadians were obliged to secure their supply in that way. "Indian Chief" was selected from one of these importations. In the meantime several strong herds had been established, based almost entirely on importations from Sittyton. Among the most notable was that of Col. W. A. Harris, of Linwood, Kas. Col. Harris obtained some of the choice specimens brought over by Mr. Davidson, but experienced the same difficulty as others in securing suitable sires, the use of which would enable him to hold the average excellence which they then carried. After selling the imported bull Gravesend for use in another herd, he bought him back as the best all round sire to be then obtained. His record was good in Scotland, as in America, although he was scarcely up to the Champion of England type for early maturity.

THE DEMAND CONTINUED STRONG

for the Sittyton breeding, and it is not too much to say that it has continued ever since. The Shorthorn cattle in the sales of 1905, which brought

the best average prices, have been those containing the greatest amount of this Sittyton blood. The effort to switch off to anything bred in Scotland and hence called Scotch has already lost its power, for the reason that only some of it stands the test in practical use. And when it does it is naturally seen that it is because of a strong infusion of this blood either directly or in a remote form. The reputation of the Sittyton cattle has not been a mere fad or a fashion lasting for a day, but rather is based on real excellence in quality, and early maturing propensities.

Strange to say, this great herd had nearly closed its great career before it exerted any influence on Shorthorn breeding in England, and when it did commence it seemed rather accidental than otherwise. Mr. Duthie is my authority for the statement that one of the first bulls to go into England for use on a prominent Shorthorn herd was rather inferior, although of very good breeding. He was taken because no other could then be conveniently obtained, but his use in that case

PROVED A REVELATION.

His prepotency was undoubted, and his stock altogether astonished the owner. The result of this cross soon became the live stock gossip of the neighborhood, and other breeders came to see for themselves, going away to spread the news still further. Thus all prejudice, where such existed, was soon wiped out, and a few other bulls were purchased as somewhat of an experiment. In every case the results were the same—good quality, thick flesh, quick growers, responding rapidly to good treatment, were the resultant type. Every one who saw the result seemed convinced that in these northern cattle they had discovered the real improvers of the breed; and at that stage it was not easy to secure them. Mr. Davidson took away the whole supply for some years, and later when he could not on account of our restrictions, Mr. Adams, a rich breeder of the United States, purchased for some three years almost the entire crop. So that in 1889, when the Sittyton herd was scattered, the need for its continuance seemed greater than ever. Fortunately, Mr. Duthie and Mr. Marr had been using the blood upon their herds for many years, and these sires were not the culs but among the very best; and still more fortunately, while the best of the females were taken out of the country (several of them being lost on the way to South America), yet the two extremes of the herd, viz., all the old cows, went to Mr. Duthie in the north of Scotland, while the entire crop of heifer calves went to fill up the herd of Deane Willis in the south of England.

These three breeders,

DUTHIE, MARR AND WILLIS

for several years worked much together, exchanging sires, and to these herds the best breeders of England and Scotland, as also in America, have since gone for a continuance of the supply of that blood, which seemed to work magic on the English-bred herds. The demand for animals with a strong infusion of Cruickshank blood has continued very strong to this day, and a numerous contingent from England is seen at the annual bull sales in the north of Scotland, purchasing the best lots offered at very high prices.

The sale of the famous herd of the late lamented Wm. Marr, where prices indicated better than words written here or elsewhere, the esteem in which

this class of breeding is held by the public generally, is still fresh in the memory of Shorthorn breeders.

The honor and burden of keeping up the quality of these cattle now rests largely on the two breeders, Mr. Willis in the south and Mr. Duthie in the far north, and the task could not be placed in better hands. These two men are now in the best position to lead in the old land because they are in possession of the largest number of females descending direct from and continuing the same breeding as the Sittyton herd at its dispersion. Both understand the problems and are alert in watching the latest developments in other herds with the view of utilizing outside blood to the best possible advantage in strengthening the type which is still held with much tenacity.

Here our running sketch of the main points in the history of this wonderful breed of cattle must come to an end. But we are face to face with the future. The only object of studying the past is that out of it may come some gleam of light for the coming days. We think there are some useful lessons which may well be pondered, as our younger men move forward into the future. There are some principles well established by the past results which should not be forgotten. With the risk of appearing bold or even egotistic, we propose in the next paper to attempt to gather up some of these with the hope that many readers will accept some things as settled, and not wait to go over again dangerous or uncertain ground only to result in loss and failure.

Lived near Booth and Bates

The following letter will be read with interest, especially by Shorthorn breeders. The writer of it is a lady 83 years old who has resided in Canada for 53 years. Her home is at Gresham, Bruce Co., Ont. She says:

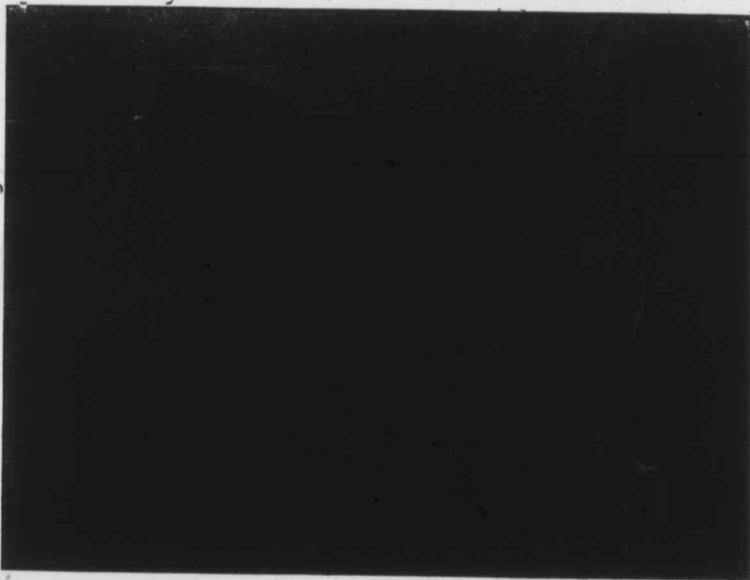
"I am much pleased with Mr. Dryden for telling us about the Durham (Shorthorn) cattle, as I was raised very near both Booth and Bates. I lived on the river Swale, on fine low land. The river had a good deal to do with it, as the best land was along its banks. The grazing was good and cattle grew there to perfection. By selection they were brought to their present state and from the river valleys came our best cattle.

"The river Swale is as good as the river Tees."
MRS. DENT.

Guelph Sale Successful

There was a large attendance at the sale of purebred cattle held at Guelph on Feb. 28th. Considering the market and the quality of stuff offered the sale was a success. The highest price was \$200, paid by Mr. Webber, of Waterloo, for the bull Scottish Marquis, owned by F. M. Bolton. The young bull, Senator's Pride, contributed by John Currie, of Eramosa, sold to Jeremiah Wright, of Marden, Ont., for \$125. W. G. Pettit & Son, of Freeman, bought Mayflower, also contributed by F. M. Bolton. Among the notable female purchases was Matchless Sarah Phenix, bought by C. W. Mosser, of Berlin, for \$105. Queen Esther, bred by John McAinch, of Creiff, sold to R. H. Braker, of Guelph, for \$95. Thus, animals of good quality and in good condition brought good prices. The forty-nine Shorthorns sold realized \$3,655, an average of \$74.60 each. The bulls brought an average of \$77.20 and the cows \$68.03 each. One Polled Angus bull sold for \$75 and a Hereford cow for \$55.

TWO GREAT CLYDESDALES



The Clydesdale mare, Her Pretty Sel', bought at Robt. Davies' sale by the Hon. Mr. Monteith for \$1,525, for the Ontario Agricultural College. She was bred by Col. Holloway, of Illinois. Sired by Cedric 929.



The Canadian-bred Clydesdale mare, Baroness 7917, champion Spring Clyde and Shire Show, February, 1906. Bred by John McLaren, Scugog, Ont. Owned and exhibited by Smith & Richardson, Columbus, Ont.

Matching Up Horses

Few farmers realize the advantage derived by having the farm teams well matched for work at least. It is always desirable to have them colored and marked alike, but this is not as necessary as having them matched as regards size and disposition. A large and small horse do not work well together, neither do a fast and a slow one. Ill mated teams do not work as easily together for either team or driver, neither do they do as good work.

In nearly all our farm work it is desirable for a team to work straight ahead. This is particularly true in drilling grain, planting corn or potatoes, or cultivating. Even on a mower or harvester one can do much more satisfactory work when the horses work well together. Another point that should not be overlooked in mating horses is, to get those that have like mouths. A tender and a tough bitted horse do not make a mated team either, any more than a small and a large one.

These things may seem trivial, but when one comes to work a team three hundred days in a year it makes a considerable difference whether they drive together and are easily handled or the reverse. Usually one can mate up a team if he keeps on the lookout, with very little extra expense. It is well worth the cost. When one gets a pair of horses that are well mated and have the size and quality that are desirable in a team he can not afford to part with them, even if he is offered twenty-five dollars more than he thinks they are worth. As a rule, it will pay best to keep them and wear them out. Few farmers make anything by continually changing horses. Get what your work demands, being very sure to get them heavy enough to do their work easily, without having to use up their nerve, and then hold on to them. When one stops to consider the days of hard work a well mated young team will perform before they are worn out, the purchase price does not cut much of a figure.

One point more. The really desirable hired man will always take much better care of a team that he takes a pride in, than an awkward mismated one, and this also means dollars to the owner.—Forest Henry.

Carrots for Horses

Carrots are best fed whole to horses, which can well tackle a whole carrot, and there is no necessity whatever to cut them up into slices or pieces.

Carrots are very useful for feeding to horses which have a cold or cough, as they have a soothing and emollient effect upon the mucous membranes of the throat, this being largely due to their succulent character. It is therefore, a good plan to include a liberal allowance—say, up to eight pounds, or even nine pounds—in the diet of horses suffering from cold or cough. On account of their great wholesomeness, their digestibility and their palatability, carrots make an especially good food for sick and convalescent horses. When owing to sickness a horse is off its feed it frequently relishes a few carrots in preference to other food, and the appetite of a sick horse can often be tempted in this way. Finely chopped up carrots form a useful kind of appetiser for mixing with other food when a sick horse does not eat his food properly.—English Farm and Home.



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Montreal, Quebec, St. John, Truro

More Opinions on the Bacon Hog Question

Co-operative Bacon Feeding Tests

To find out the cost of producing hogs on the farm and the relative cost of the select bacon hog and the thick fat hog, Prof. Day, of the Ontario Agricultural College, Guelph, has inaugurated a series of co-operative tests for farmers which cannot but be helpful in solving the bacon hog difficulty. The plan is to have farmers conduct tests at home under directions which Prof. Day is prepared to supply and to keep an accurate record of the cost of the actual feed, etc., in order that from the information to be thus gleaned from many sources some definite knowledge may be secured on the subject of swine raising. The Wm. Davies Co., Toronto, have generously offered to pay 50c. per cwt. more for the pigs in the test when finished than the current market price at time of sale. This liberal offer should pay well for the trouble of conducting the test which we trust a large number of farmers will undertake. Write to Prof. Day for particulars.

The Better Quality Should Command Better Pay

Editor THE FARMING WORLD:

I am not prepared to dispute Prof. Day's statement as to the cost of producing select bacon hogs that they could be produced as cheaply as the thick, fat hog. I have no figures or weigh scale mathematics to prove the professor to be wrong, only that instinctive or rather intuitive faculty that a man acquires by daily intercourse with the stock, and whose early life was spent upon a farm where from 200 to 300 steers and heifers were fed off during the year, about one-half stall or winter fed. These were sold in open market, 6 to 8 weeks, before weigh scales were in use, and it was absolutely necessary that the seller must be able to estimate weight closely.

Now, I am positive I can put more pounds of flesh on some cattle than on others, and at much less cost.

The same with sheep, or wherein does the advantage lie of special breeds for certain purposes? I don't think the weigh scales would make me believe I could take a Mexican-Spanish steer, all horns and front-quarters, and put on as many pounds of flesh as cheaply as I could with any of Britain's beef breeds. Neither could I take a Welsh Mountain sheep (the one that produces the highest priced mutton in London's aristocratic clientele) and produce mutton as cheaply as on a Leicester or Lincoln. Then why not the case with swine? I feel sure I could make more pounds of pork with Poland Chinas than with Yorkshires. I am a breeder of Yorkshires, so that I am not prejudiced in favor of the former.

While I supply a better article I expect a better price, and I believe the better article will nearly always cost more for its production. If we want the British market for superior bacon our packers must be prepared to pay a better price. If an epicure wants a rasher of bacon he will pay for it rather than take sow belly for nothing, even as one will pay for a pineapple rather than take a turnip for nothing.

Don't let us forget these lard hogs. They have their particular uses; a lumber man in camp would despise your thin bacon, so on every sea and mine. I have crossed the Atlantic twice on sailing ships and a thick

piece of mess pork was not despised.

I have wandered away from the question, but to come back to the point again. My good old friend, Robt. Ogilvy, late of Madison, Wis., and formerly of Whitby, Ont., showed me a cheque he had received from his commission firm in Chicago for over \$5,000 for hogs, (as they call them) which had followed 600 steers, helping themselves from the corn voided by the steers. (Another hog to a steer was then following the lot sold.) I said to him, "Why don't you try Yorkshires?" He replied, "They won't feed like a Poland China. You could not give them to me."

Now here is the parting of the waters. Let us endeavor to supply the better article, the one which will produce the most money in the British markets. It cannot be produced on corn alone. The dairy and wheat by-products must be used and with this extra feed and labor, we are certainly entitled to an extra price. Let the American corn fed, thick lard hog supply the lumber camps, the mines, and the navies of the world, but don't mix the two, and try to make one class, for we shall suffer. Delaware, Ont. R. GIBSON.

Costs as Much to Feed the Thick Fat as the Bacon Hog

Editor THE FARMING WORLD:

I have been engaged in hog raising and in getting hogs ready for market for a number of years. I have had experience with the select bacon hog of the Tamworth breed, as this breed seems to be specially adapted for bacon.

The bacon hogs have to be handled very differently from the average hog you grow to get them ready for market. The process of feeding is more tedious. It requires more time and patience. You cannot put them on the market like the short, thick hog, which is full grown and matured. You can shove any amount of feed down the latter and make them exceedingly fat, weighing from 400 to 500 pounds, some of them more. Besides, you cannot get your money so fast making bacon pork. I never figured up the cost to a fraction, but I think it is as broad as it is long—it costs just as much to fit the short, thick-set type of hog for market as it does the bacon or ideal hog. The select bacon hog, in my opinion, should not weigh over a hundred and ninety pounds—that is what I call fine bacon pork. Norfolk Co., Ont. OLD FARMER.

Depends Upon the Hog

Editor THE FARMING WORLD:

As to the feeding of bacon and pork hogs I would say that in my opinion it all depends on how you produce the hog, and what class of hog you are feeding. For instance, if you are feeding hogs in a house from the start, the short thick pork hog for the first six months will gain more than the long bacon hog. Any feeder will tell you this. The same rule applies to all animals. The longer the animal the harder to feed, and the harder to put flesh on. But on the other hand, if you produce your hogs on roots, clover and grain, selecting a good grass hog, such as the long, smooth Chester White hog is, you can produce a bacon hog cheaper than you can a pork hog, because you can grow them in good order on one feed a day until you are coming to the highest market, then if you have not

got a select hog give him the second feed a day, until you know he has flesh enough on to make him a pure select bacon hog. I have always carried out this rule, and found August market the highest pork month in the year, and started for this market. In this way you can produce a bacon hog cheaper than pork.

I also find that the only hog I could drive from the clover field to market was the Chester White, which, in my opinion, is the best grass hog on earth. Other hogs I had on test in the same field, and fed under the same conditions, had to return to the pen to be fed for market purposes. Thus, showing that in order to produce bacon cheaper than pork, I say try the long, smooth Chester White hog on a field of clover and let them do their own grinding on mixed corn and barley, fed on the ground, not in a trough, and you will find the bacon hog produced cheaper than the pork hog, and more money in it for the farmer. ROBERT CLARKE. Ottawa, Ont.

He Always Bred Yorkshires

Editor THE FARMING WORLD:

I have been breeding Yorkshires since I first took charge of the farm, and have no experience in short, thick hogs. My Yorkshires have always done so well with me under proper treatment that the thought of trying anything else never occurred to me, consequently I have no comparisons to make as to the breeds. Ottawa, Ont. J. G. CLARK.

Can Feed Bacon Breeds as Cheaply as the Thick Fats

Editor THE FARMING WORLD:

In regard to the cost of producing bacon hogs, as compared with the thick fat variety, I might say that while I have conducted no definite test, I am satisfied from my experience in feeding the bacon hog that hogs of this variety are produced as cheaply as those of the thick fat breeds.

I have no doubt that when a poor strain of our bacon breeds is used, that it will be reversed, but it would be unjust to condemn all the bacon breeds simply because one strain or family of any of the bacon breeds were hard feeders.

There is this about it, however, that appearances are often deceptive and I am satisfied that if many of the advocates of the thick, fat breeds would use the scales, probably their opinions would be altered. Undoubtedly over-fat breeds of swine will take on more fat for a given amount of feed, but this fat is of lighter weight than lean meat, and if scales were used probably those of the bacon breeds would make more actual weight for the same amount of feed. Another serious drawback in feeding hogs of the thick, fat breeds is that they do not grow but become fat, stunted, and unhealthy, especially in the winter, and there is nothing so unprofitable as a pig of that nature. Galt, Ont. WM. ELLIOTT.

Can Supply Help

Mr. E. Marquette, Provincial Immigration Agent, Montreal, has been notified that the East End Emigration Fund and the Self Help Emigration Society of England intend sending over early in the season a number of people to Canada. These societies in the past have sent out a number of sober, industrious people. Persons desiring help should apply to Mr. Marquette for full particulars.

Ottawa Winter Fair

With largely increased entries in all classes over last year and the general quality much improved, the Eastern Ontario Live Stock and Poultry Show, held at Ottawa, March 5-9, was a success. This is all the more pleasing because of the repeated collapses of the new building which, no doubt, worked against the show. The fair was held in the cattle stables on the Exhibition grounds, and though not to be compared with a building erected for the purpose, the arrangement afforded every comfort for both man and beast. There are advantages in having the different classes of stock in separate buildings, though the general effect upon the visitor is not so great. A year from now it is expected that the new building will be ready, when we may look for a show superior in every way to the one held last week. The attendance was not as large as it might have been.

CATTLE

The show of beef cattle was very good indeed. In the Shorthorn section there were nearly twice as many animals shown as a year ago, with the quality much superior. For two-year-old steer, Reid & Co., Hintonburg, had first, and Shortreed, Black & Armstrong Co., of Fergus, second. In the yearling class five entered the ring. Here that old veteran, James Rennie, of Blackwater, was on top with the Fergus firm, second and third. Rennie & Son were on top again for steer calf with a choice white one that will be heard from later. In aged cows, a new exhibitor, N. S. Robertson, Arrprior, was first with a good beef type. Second went to Ed. Baker, Winchester, for a cow of the milk type. Robertson had first also for 2-year-old heifer, with Shortreed, Black & Armstrong first in the heifer class.

There were several Polled Angus shown, all belonging to the Fergus firm.

The grades were the strongest class of the show, and with such experts as James Leask and Rennie on hand with some good ones the contests in the ring were of no mean kind. For two-year-old steer, James Leask, Greenbank, was first, for a steer of good quality that was second in his class at Guelph. He also won third, with the S. B. & A. firm second on a good steer though not so well fitted as the first prize one. In the yearling class, Shortreed, Black & Armstrong had first on a very fine white early matured steer, with Leask second and fourth, and S. B. & A. third. Leask also had 1st and 3rd for calf, and S. B. & A. 2nd, A. H. Foster, Twin Elm, coming in for 4th place. In the cow class, Rennie & Son had 1st and 4th, S. B. & A. 2nd and 5th, and Leask 3rd. For two-year-old heifers, Leask had 1st and 2nd, and S. B. & A. 3rd and 4th. With 6 in the ring the yearling heifer class was a good one. The tussle for 1st place was between Leask and Rennie and there was little to choose between them. Rennie had out a well fitted heifer, stylish, and a good looker. The judges, however, claimed that she was lacking in quality of flesh, and placed the Leask heifer to the front because of her better handling qualities. 3rd and 4th went to the S. B. & A. Co.

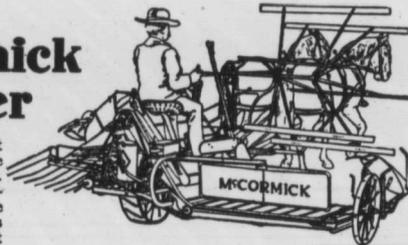
In the export steer class eighteen animals faced the judges, making six entries in all. The contest for first place lay between Leask and Rennie. The latter had out three good ones, a little, perhaps, overdone for the export trade and somewhat uneven in flesh. The trio of the former were of good export type and carrying a good amount of evenly placed flesh, and the judges accorded them first

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GREEN RIDGE, MAN.

DEAR SIR—I beg to state that your fence has given the best of satisfaction, and must say it is a most efficient hog fence.

I must tell you of an incident that occurred on the night that we finished erecting it. A team got away from my son while he was closing a gate, with half a load of hay on the rack, and ran into the fence. I saw it happen as I had just driven the last staple. I thought "there goes my fence," but imagine my surprise on running up to find both horses over the fence, one with her hind legs through the wires, the top strand which was barbed wire was broken, three posts driven two feet in the ground bent right over, but your fence intact, not a wire or stay broken, although we had put up a very light fence, in fact so light that I was afraid I had overdone it.

Trusting the day is not far distant when I shall have all my farm fenced with this wire, and wishing you every success, I remain, yours truly,

(Signed) R. BREWSTER.

Write for printed matter and samples of wire—they are free.

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position. Third went to Shortreed, Black & Armstrong, and fourth to Reid & Co.

A. W. Smith, Maple Lodge, and B. Slattery, Ottawa, judged the cattle classes.

DAIRY CATTLE

There was a good show of dairy cattle, with Shorthorns, Holsteins, Ayrshires, Jerseys and grades competing in the two day milking test. A Holstein cow came out on top with a grade cow a good second. A tabulated statement of the result appears elsewhere.

SHEEP

There was a fairly representative exhibit of sheep, though the length of wool and the season of the year detracted some from the general appearance. John Jackson acted as judge, excepting in the Southdown class, when his place was taken by A. W. Smith. Strange to say there was not a Shropshire shown. In Southdowns the prizes were pretty well divided between John Jackson & Son, Abingdon, and Telfer Bros., Paris, the latter showing a couple of imported ones. A. W. Smith had out some good Leicesters, among them being several Chicago winners. He got the big end of the stick with A. G. H. Luxton, Milton, second. In Lincolns, Shortreed, Black & Armstrong, Fergus, and L. Farlanon, Eramosa, were exhibitors, with the awards pretty evenly divided. Snell & Lyon, Snelgrove, and W. E. Wright, Glanworth, showed Cotswolds, with the former the largest winner. In Oxfords, W. E. Wright had the best of it, J. A. Richardson, South March, coming in for one or two good ones. R. H. Harding, Thorndale, and A. G. H. Luxton showed Dorsets, the former having much the best of it. Telfer Bros. had out some fine Hampshires. In grades, A. W. Smith and Shortreed, Black & Armstrong secured most of the prizes.

SWINE

The swine exhibit perhaps attracted more attention than any other part of the show. There was a good display of bacon hogs made up chiefly from the herds of J. E. Brethour, Burford, and Jos. Featherston & Son, Streetsville. In purebreds, Brethour secured 1st, 3rd, 5th, and 7th, and Featherston 2nd, 4th and 8th, with Reid & Co. 6th, and R. Clark, Ottawa, 9th. In grades, Featherston had first and Brethour 2nd and 3rd. The sweepstakes went to Brethour on his first prize pen of Yorkshires.

In the breed classes only a few Berkshires were shown and these by S. J. Lyons, of Norval, Ont. There was strong competition in Yorkshires. For barrow under 9 mos., Featherston had 1st and 3rd, and Brethour 2nd and 4th. This order was reversed for barrow under six mos. In sows, Brethour had 1st and 2nd in both classes, with Featherston 3rd and 4th in one and 3rd and 5th in the other. The Yorkshire show all through was a good one. While the Tamworths were out in good numbers, the exhibit was uneven in general character, there being too many of the short, thick kind shown. Reid & Co., Hintonburg, and W. H. and C. H. McNish, of Lyn, were the chief exhibitors. The former secured the bulk of the best awards with McNish Bros. coming for first place on sow under 9 mos. There was a good show of grade hogs with prizes pretty well divided. Wm. Jones, Zenda, judged the Yorkshires and Tamworths, and Thos. Teasdale, Concord, the Berkshires and grades.

CARCASSES

The carcass classes made a good showing, especially in the bacon hog section, where the general quality was good. Shortreed, Black & Armstrong

were the only exhibitors in the beef section. The various kinds were pretty well represented in the sheep sections with prizes divided pretty much as alive, though a number of winners alive were not killed.

In bacon hogs, Featherston had 1st, 5th and 8th in the purebreds; Brethour 2nd, 3rd and 7th; Reid & Co. 4th and 9th, and J. A. Richardson 6th. In grades, Featherston had 1st and 3rd, Brethour 2nd and 4th, and R. Clark 5th. Sweepstakes went to Featherston & Son for their purebred Yorkshires. Brethour's first pen alive were not killed. There was more variation than usual between the judging alive and dead. For instance, the first lot in grades only got 3rd and 4th place alive.

SEEDS

The seed show was well up to that of other years, though not as large as it might well have been considering the time of the year. Seed oats, wheat, peas, barley and corn were shown and also timothy, clover, etc. There were some good lots of potatoes shown. There was a good demand for seed. The Seed Division displayed the weeds mentioned in the Seed Control Act.

Practical Talks

As at Guelph, one of the chief features of the Ottawa Fair was the series of lectures on practical live stock and other subjects. These were fairly well attended, and much interest was shown in the proceedings. We have not space to give any extended report in this issue. The poultrymen had their innings on Tuesday evening and were addressed by A. G. Gilbert, Central Experimental Farm; W. R. Graham, Ontario Agricultural College, and Mr. Fred Armstrong, of Fergus.

On Wednesday afternoon President Creelman of the O.A.C. presided at a

well attended meeting at which sheep was the topic for discussion. Addresses were given by A. W. Smith, Prof. Day and John Campbell. On Thursday morning, with the same chairman, Prof. Day, C. W. Bowman, H. Glendinning and Thos. McMillan, discussed on the bacon hog. In the afternoon, Prof. Day, A. W. Smith and Thos. McMillan spoke on beef cattle, and H. Glendinning, H. Drummond, and C. F. Whitley on dairy cattle. A further session addressed by Prof. Day was held on Friday morning. A well attended meeting of those interested in seeds was addressed by L. H. Newman, T. G. Raynor, and G. H. Clark.

A Successful Fairs Meeting

The Eastern Ontario Fairs Association held a successful annual meeting in Ottawa on March 7th, president R. H. Field, of Brockville, presiding. The meeting took about the same stand on such questions as horse racing at fairs and objectionable attractions as the convention in Toronto did. The only discordant note was raised by Mr. W. K. Farlinger, of Dundas, who condemned the system of expert judges as a farce. His statement, however, found little favor with the audience and served to bring to the front a strong feeling of approval of the expert judge system. Interesting addresses were given by President Field and Superintendent Cowan and several others.

The following officers were elected for 1906: Pres., R. H. Field; 1st Vice-Pres., B. Mosher, Merrickville; 2nd Vice-Pres., John Brown, Beachburg; Sec.-Treas., R. B. Faith, Ottawa; Directors, W. M. Bass, Newboro; B. C. Hughes, Prescott; W. K. Farlinger, Dundas; D. Hurley, Vancklee Hill; R. W. Hodgins, Shawville; J. W. McNaughton, Lancaster, and J. G. Harkness, Cornwall.

DAIRY TEST AT OTTAWA

Prize	Name and Address	Days in Milk	Lbs. of Milk	P.C. of Fat	Lbs. of Fat	Points
1	<i>Shorthorns—42 months or over.</i> R. Reid & Co., Hintonburg . . .	25	79.02	3.4	2.68	82.3
1	<i>Shorthorns—under 42 months.</i> A. H. Foster, Twin Elm	10	55.03	4.0	2.36	69.1
2	E. Baker, Winchester	47	55.12	3.6	1.98	60.7
1	<i>Ayrshires—42 months or over.</i> J. G. Clark, Ottawa	95	90.04	4.0	3.60	111.2
2	J. G. Clark, Ottawa	85	92.00	3.5	3.22	103.0
3	R. Reid & Co., Hintonburg . . .	21	72.09	3.3	2.37	73.6
1	<i>Ayrshires—under 42 months.</i> J. G. Clark, Ottawa	72	67.09	4.2	2.81	85.0
1	<i>Holsteins—42 months or over.</i> N. Sangster, Ormstown, Que. . .	15	141.00	3.2	4.51	133.1
2	N. Sangster, Ormstown, Que. . .	31	122.04	3.2	3.90	118.1
3	N. Sangster, Ormstown, Que. . .	19	91.10	3.0	2.73	83.7
1	<i>Holsteins—under 42 months.</i> N. Sangster, Ormstown, Que. . .	10	109.06	3.0	3.27	98.7
2	N. Sangster, Ormstown, Que. . .	18	102.04	3.0	3.06	95.4
3	R. Reid & Co., Hintonburg . . .	75	62.15	3.6	2.23	69.7
1	<i>Jerseys—42 months or over.</i> S. J. Lyons, Norval	90	50.07	4.8	2.40	71.4
2	S. J. Lyons, Norval	87	52.01	4.6	2.39	71.1
1	<i>Jerseys—under 42 months.</i> S. J. Lyons, Norval	28	42.04	5.4	2.27	60.5
1	<i>Grades—42 months or over.</i> N. Sangster, Ormstown, Que. . .	10	116.13	3.8	4.41	126.7
2	T. A. Spratt, Billing's Bridge . . .	8	106.10	4.1	4.35	124.7
3	R. Reid & Co., Hintonburg . . .	43	113.01	3.4	3.84	114.7
1	<i>Grades—under 42 months.</i> R. Reid & Co., Hintonburg . . .	40	61.14	3.5	2.13	64.3

Prevention of Smut and Apple Scab

Perhaps the simplest and most effective method that has been devised for killing smut spores on oats or wheat is to sprinkle the seed grain with a dilute solution of formalin, made by pouring half a pint of formalin into ten or twelve gallons of water. The formalin can be procured at almost any drug store for 25 cents. The seed grain should be spread out on a clean floor or wagon box, and the formalin solution sprinkled over it by means of a sprinkling can. The seed should be thoroughly shovelled over and mixed while it is being sprinkled so that every grain receives some of the solution. Ten gallons of solution will suffice for 20 or 25 bushels of grain.

When the grain is dry, it should be put into clean bags to prevent the entrance of fresh spores of smut, which are always floating in the air of barns.

Apple Scab is one of the most serious diseases of the apple. It can be prevented by spraying the trees with Bordeaux mixture. Four applications should be given, the first just as the leaves are unfolding, the second just before blossoming, the third after blossoming and the fourth two or three weeks later. If the season is a wet one, it is advisable to give another application in July or August. The formula for Bordeaux mixture is as follows:

- Copper sulphate (blue stone) . . . 4 lbs.
- Fresh stone lime 4 lbs.
- Water 40 gal.

Make a stock solution of blue stone by dissolving 25 pounds in warm water in a barrel and add water to make up to 25 gallons. Every gallon of this solution in this barrel contains one pound of blue stone. Into a second barrel put 25 pounds of fresh stone lime, and add with stirring small quantities of water to slake it. When fully slaked make up to 25 gallons by adding water. Every gallon of milk of lime in this second barrel contains one pound of lime.

To prepare the Bordeaux, empty four gallons of blue stone solution into the spray tank or barrel, which already should have 25 or 30 gallons of water in it; stir the milk of lime thoroughly and empty four gallons of it through the strainer into the spray barrel with constant stirring; then add water to make up to 40 gallons.

The codling worm may be controlled at the same time if 6 ounces of paris green are added to every barrel of the Bordeaux mixture used in the application made after blossoming.

PROF. W. LOCHHEAD.

O.A.C., Guelph.

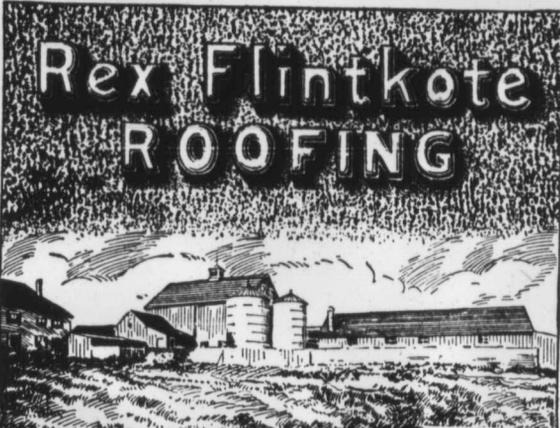
Grafting Apple Trees

In last issue an enquirer in Middlesex County asked for some information upon the grafting of apple trees. Grafting is an important part of the orchardist's work. By judicious top-grafting the quality of fruit in an orchard can be greatly improved.

The accompanying diagrams kindly loaned us by the Ontario Department of Agriculture show clearly how the two common methods of top grafting are made. Whip or tongue grafting is practiced upon small branches and young trees. The stock is cut with a bevel about one-inch long and the scion cut to fit the bevel. Both bevels are cut into slightly and the tongue of one fitted into the notch of the other. The cambium layers must be in contact on at least one side.

When cutting off large branches for cleft grafting it is wise to cut twice, making the first cut a few inches

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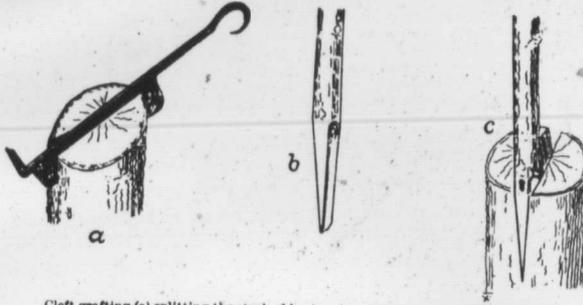
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Cleft grafting (a) splitting the stock, (b) scion, (c) scion inserted in cleft of stock.

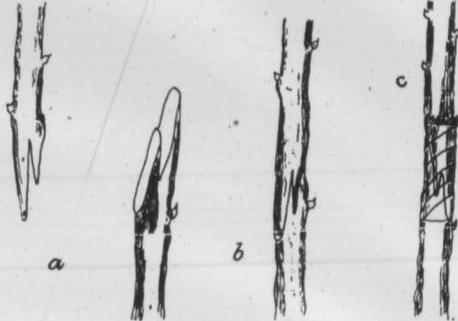
above the position chosen for the scion. Then cut off the stub at the desired point and avoid the danger of tearing the bark. With a chisel or grafting iron split the branch just far enough to admit the scions. In branches, other than those growing perfectly upright, the split should be made parallel to, rather than at right angles to, the ground. The scion should be made wedge-shaped, with bevel about one inch long, starting at each side just at the base of the bud. Make the scion three buds long, cutting off just above the third bud. Cut a little thicker on side next the bud. When making the graft place the lower bud of the scion to the outside. Do not force the scion down but open the cleft sufficiently to admit the scion fully. After setting the scions, cover all wounds with wax. When growing give scions room for proper development by cutting off sprouts in that part of the tree.

A good grafting wax may be made

by melting together four pounds resin, two pounds beeswax, and one pound tallow. Cool by pouring into a tub of water. Then work up into bars or balls which may be kept in any cool place until required. To economize wax, cloth is sometimes dipped into the hot wax, making wax-cloth. This is more difficult to use than pure wax. The wax may be melted and carried in a glue pot and applied with

it must be kept in place, by a band of calico or like material. This must be bound tightly round, commencing at the bottom and finishing at the top, where the ligature must be made secure. Thorough exclusion of the air is necessary, and this is done by covering the union with grafting wax or clay; only the point of the graft should be left exposed.

In the case of large trees, crown or rind grafting is the best. First cut the branches across at the desired height, then make slits on the sides, from the top, so as to penetrate through the inner bark. The scion must be cut sloping and about three inches of its lower end inserted in the cut made in the bark of the tree to be grafted. The scion must not be bruised and the handle of a budding knife, or a smooth piece of wood, used to raise the bark of the stock, and when this is removed the scion is pushed gently down. For large branches several scions may be used. When the scions are in position, they must be tied and waxed, the same as for whip grafting. Grafts in exposed positions are apt to get blown out with the wind; to prevent this they should be secured with sticks while



Whip grafting (a) scion and stock prepared, (b) same placed together, (c) tied.

a brush, or as is more commonly done it may be kept in water warm enough to keep the wax pliable so it may be readily applied by hand. It is well to keep the hands greased to prevent the wax from adhering to the fingers.

A correspondent sends some additional notes on grafting which are published herewith.

Fruit Culture—Grafting

The best time for this work is just as the sap begins to rise, but the scions must still be dormant, if they have started to grow they are useless as grafts. Grafting is a simple process, and there are several methods of doing the work. For young trees the whip, tongue, or splice grafting is the best. The nearer scion and stock approach each other in size, the neater will be the union. Whip grafting is done thus: Insert the knife, which should be keen, in the stock three or four inches from the top and cut off a wedge shaped slice of wood in an upward direction, nearly halving the stock (if a small one) at the top, sloping the remaining portion off to the bark immediately above a wood-bud. Then make a cross downward notch at the basis of both oblique cuts, making corresponding cuts in the scion, both transverse cuts in this case, being made in an upward direction, to enable the latter to be tongued into the stock. It is necessary that the wood and bark surface fit closely together. When the scion has been fitted to the stock

young, or headed back to induce bushy growth.

Saddle grafting is the simplest of all styles. It may be adopted where the stock is a good deal larger than the scion. The stock is cut to a thin wedge at the top. The scion is split in the centre, the inner parts

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pared so as to make two tongue-like pieces, these to be placed astride the stock, securely tied, and then waxed. This method may be successfully carried out until quite late in the season. Side grafting is another style; it is very like whip grafting.

W. R. GILBERT.

Canadian Dairymen at Chicago

The National Dairy Show and Butter-makers' Convention, held at Chicago on Feb. 15-24, was a marked success. Canadians were there in goodly numbers, and it is needless to say gave a good account of themselves. Among the chief speakers was Prof. Dean, of the Ontario Agricultural College, whose address at the big convention was listened to by thousands.

In the dairy cattle exhibit two Canadians, Messrs. H. and J. McKee, Norwich, and Geo. Rice, of Tillsonburg, Ont., were right to the front. The herd of Messrs. McKee secured first for best herd, first on yearling heifer, second on cow and two-year-old, and third on 2-year-old in the Ayrshire class. It is worth noting that all the Ayrshires shown were either owned by Canadians or had been imported from Canada. Mr. Rice's herd of Holsteins won over \$300 in prizes, or more than any other competitor won, including the sweepstakes cow.

There were three exhibitors of butter from Canada. Mr. C. W. McDougall, Guelph, scored 94 points on one exhibit. The other two exhibits scored less than 90.

Among the attractive features were the exhibit of milking machines and dairy machinery and appliances.

Among the Canadians present were Prof. Dean; G. H. Barr, London; R. Johnston, St. Thomas; J. A. McFeeters, and John McQuaker, Owen Sound; Messrs. Bryfogle, Sparling, Drummond and Archie and Harry Price, Toronto; R. Bingham, Ottawa, and David and Geo. Munroe, Winnipeg.

Dairy Work in the West

In future the instruction work in dairying in the west that for some years has been under the control of the Dairy Commissioner at Ottawa, will be carried on by the new provinces. Mr. Ruddick has recently completed arrangements for this change. The management of the creameries has been handed over to the people controlling them. The creamery delegates at a recent conference asked the provincial government to take up the work on the same lines as carried on by the Dominion Government. Hon. Mr. Findlay, Commissioner of Agriculture, has replied favorably for Alberta. In Saskatchewan, where dairying is not on as good footing as in Alberta, the local government has decided to undertake similar work and to foster dairying as much as possible. Messrs. Marker and Wilson, who have served the Dominion Government so well in the past will likely be offered the new positions under the provincial governments.

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special white paint, which on top of the best of galvanizing, will lengthen the life of wire for years. And, also, this white coating makes wire much more sightly.

Owing to the great strength and elasticity of our fencing, **one-third less posts** are required, thus reducing the cost of the fencing.

As you get in **PAGE FENCES one-half more fence strength**, greater protection against rust, better workmanship, better appearance, use less posts, can you afford to use other fences, even though you could buy them for one-half the price of ours? But, really ours costs you little if any more.

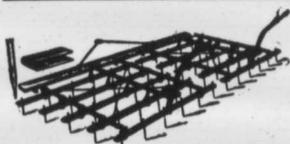
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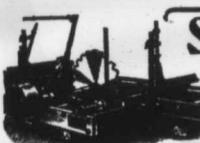
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Uncle Dan's Philosophy

Ever heard of Uncle Dan?
Such a queer, peculiar man!
Never grumbles, come what may,
"What's the use of it?" says he;
"Frettin' never seems to pay—
Anyway, it don't with me.
When a thing has happened—why,
'What's done can't be helped,' says I,
So, to show you've got grit,
Grin, an' make the best of it!"

Strange old fellow, Uncle Dan!
"Always stan' up for a man
When they're down on him," says
he,

"Till you know he's in the wrong.
Frien's ain't what they ought to be
When you buy 'em with a song.
I go in for trustin' men:
Sometimes I get fooled—but then,
Better trust and be deceived!
Than to never have believed!"

Dear, old-fashioned Uncle Dan!
Steadfast friend and honest man;
Brave with faith in human kind,
Strong with trust in God above—
To a comrade's frailties blind,
Quick to see with eyes of love!
There's a sermon in his creed
Surely he who runs may read,
And the world's a brighter place
Since he looked it in the face.
—Eben E. Rexford in Lippincott's.

A Plea for Light

During the long evenings some provision will be needed for the pleasure and profit of the younger generation. Nothing adds more to the enjoyment of home evenings than plenty of light. Even when parents are forced to consider most carefully every penny spent, no investment pays better than a generous expenditure for lamps and kerosene.

Health and happiness are too valuable to be endangered by inhaling air polluted by neglected, smoking lamps. It is impossible for any one to be healthy and happy who breathes continuously the vitiated air caused by untidy lamps and spoiled wicks

which too often pervades the family sitting room in cold weather; neither can young persons reap full benefit from the good reading so abundant in these days.

Every living room should have a good hanging or bracket lamp with a large wick, securely placed so that its brightness may be shared by all without fear of its being upset, or endangering near-by draperies. With good lamps, kept clean, with bright, shining chimneys and freshly trimmed wicks, evening hours in a farm home may be made easily the happiest hours of the day.

An ideal home makes abundant provision for reading, music and games, but these are out of the question in murky, smoky air created by a single, narrow-wicked, rank-smelling lamp. It cannot be repeated too often that nothing is gained by being stingy in the matter of oil and lamps. When a lamp has outworn its usefulness it is not wasteful, but rather the highest economy to replace it by something more satisfactory, even if dimes and dollars must be spent. Elaborate, highly decorated affairs are to be avoided; strength, simplicity and light-giving qualities, not ornamentation, being mainly considered.

Good light is a necessity for the busy housemother, who must often add a lot of mending by lamplight to the burdens of a busy day, and if a silver-haired grandmother wishes to sit in the chimney corner and knit, a cheery light from carefully trimmed lamps increases serene content for all. Well ventilated rooms, plenty of good reading, an atmosphere of cheerfulness, and a few well chosen games, costing a little thought and a small outlay, are parents' most valuable helpers in keeping boys and girls happy at home.

If your lamps do not burn brightly, be advised to get new ones, or at least new tops next time you go to town, and rest assured that you will never spend money more wisely.

Worth of the Farm Boy

Some folks figure out what the farm boy costs, but they do not seem to think that he is worth the raising.

But he is!

He brings the cow twice a day, the wood for night, and gathers the eggs when we are all tired out from the day's work.

Forty times a day he hears the call, "Johnny, run and get the hammer or the auger." And he runs.

He never says a word back when folks call him "Bub" and tell him how "no account" boys are.

He is a great, big streak of sunshine wherever he goes all over the farm.

He knows where all the hoes, axes, saws and other farm tools are. Sometimes people say he knows this because he scatters the tools around; but it is not always so.

He keeps the rest of us from getting old. We must keep thinking if we answer the thousand and one questions he asks, and we must answer them or die, for he must know.

In short, the boy brings back two

dollars where he costs a cent. If you do not believe it, just wait till he is gone and see what a hole it makes in the running of the farm. He fills a gap that no amount of money can fill.

Instead of figuring how much the boy costs, I think it is a great deal better to think how much he saves.

Laugh and Live Long

Laughter is undoubtedly one of Nature's general tonics. It brings the disordered faculties and functions into harmony, it lubricates the mental bearings, and prevents the friction which monotonous, exacting business engenders. It is a divine gift bestowed upon us as a life preserver, a health promoter, a joy generator, a success-maker. Life with the average man is too serious at best. Never lose an opportunity for relaxation from the stress and strain of your business or profession. Every draught of laughter, like an air cushion, eases you over the jolts and the hard places on life's highway. Laughter is always healthy. It tends to bring every abnormal condition back to the normal. It is a panacea for heartaches, for life's bruises. It is a life prolonger. People who laugh heartily keep themselves in physical and mental harmony, and are likely to live longer than those who take life too seriously.

Care of the Hands

If a woman is wise she will take the precaution to wear gloves when blacking a stove, dusting a room, sweeping or doing any kind of work that will soil the hands. A pair of white cotton gloves is a great protection to the hands when hanging out clothes, and these may be knitted from white tidy cotton or made of white canton flannel. A good way to polish the stove without having your hands ruined with blacking is to put a swab on one end of a small stick, then put your hand in a loose glove, take hold of the brush and polish the stove.

Housework is rather hard on the hands, but there are some precautions which, if taken, will add greatly to the comfort of the worker and the appearance of the hands. Use only the best soap for washing the hands, and keep on hand a mixture of corn meal and vinegar, and rub them well with it after having washed them at any time during the day. The hands should always be carefully and thoroughly dried after washing.

Liquor and Tobacco Habits

A. McTAGGART, M.D., C.M.,

75 Yonge St., Toronto.

References as to Dr. McTaggart's professional standing and personal integrity permitted by: Sir W. R. Meredith, Chief Justice. Hon. G. W. Ross, ex-Premier of Ontario. Rev. John Potts, D.D., Victoria College. Rev. Father Teefe, President of St. Michael's College, Toronto. Right Rev. A. Sweetman, Bishop of Ontario.

Dr. McTaggart's vegetable remedies for the liquor and tobacco habits are healthful, safe, inexpensive home treatments. No hypodermic injections, no publicity or loss of time from business and a certainty of cure. Consultation or correspondence invited.

FARM LABORERS

Farmers desiring help for the coming season should apply at once to the GOVERNMENT FREE FARM LABOR BUREAU.

Write for application form to

Thos. Southworth,
Director of Colonization,
Toronto.

Our Friend the Crow

Once a year, and only once,
We hail him with delight;
'Tis when he comes, a messenger,
From southlands warm and bright.

When winter long has reigned,
And deep and cold yet lies the
snow;
'Tis then we longingly await
The coming of the crow.

In the early days of March,
When south winds milder blow,
When the sun shines long and bright—
We gladly welcome Mr. Crow.

Then his solemn monotone
Sounds melodious and gay,
For he is first to bring the news:
Spring is on her way!

When word has passed the house-
hold 'round—
"A crow was seen to-day"—
We all rejoice, for we then know
Spring is surely on her way.

The Children's Garden

The best means of interesting the children in flowers is to give them a garden for their very own, one that they can plant and tend themselves, after it has been dug and raked by some older person, and in which they have been prompted to plant such flowers that appeal to children for some inherent reason. Children do not love all flowers alike, but prefer those which for some reason, aside from themselves, appeal to the instinct for knowledge which is implanted deep in every rational child.

No matter who prepares the garden for them, the children should be at hand, and the various processes explained to them as they are performed. They should be told that we dig up the soil for a purpose, or they may inquire, as one did of me, "Who digs the ground for the wild flowers?" Explain that the various plants and weeds or grass growing in the soil rob it of the natural or artificial ingredients of which it is composed, and we dig it up every spring in order to replace them, and to aerate it in order that it may absorb nitrogen, one of the things it must have.

Also explain that we rake it in order to make it fine, that the young seedlings may be enabled to make their way to the surface with ease.

A quart of chicken, fish salad, soup or ice cream will generally serve eight persons when supplemented by other dishes, as at luncheon or supper.

Baked potatoes are much lighter if broken with a fork rather than a knife, and pricked with a fork before baking.

HUNDREDS OF MEN



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**PALMER'S
TOUPEES**

You can't detect it, can you?



Before. That's just why they are wearing them. Nobody wants people to know that they are wearing a toupee.



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A useful square piano, in rosewood case, with octogan legs, 7 octaves, over-strung scale, in good order.	
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7½ octave, square piano, in rosewood case, with carved legs and lyre, over-strung scale.	
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A fine 7½ octave square piano, rosewood case, with carved legs and lyre, over-strung scale.	
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Handsome square piano, rosewood case, with carved legs and lyre, 7½ octave, over-strung grand scale. Like new.	
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A cabinet grand, 7½ octaves, rosewood case, like new.	
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Cabinet grand, 7½ octaves, mahogany case, almost new.	
REID BROS. (Upright)	\$210
Cabinet grand, 7½ octaves, handsome mahogany case, used only two months.	
MENDELSSOHN (Upright)	\$215
Handsome cabinet grand piano, walnut case, 7½ octaves, almost new.	
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7½ octave upright piano, in fine condition, like new.	

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Pianos under \$250	\$10 cash and \$6 per month
Pianos over \$250	\$15 cash and \$7 per month

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TORONTO

THE BOYS AND GIRLS

The Game of Five Vowels

The rules for playing are as follows: A member of the company asks a question of his right-hand neighbor. The answer given should be brief, suitable, and prompt, but must not include the vowel interdicted by the interrogator. For instance:

Amelia—"Charles, do you like apples? Answer me without an A."
Charles—"Yes; I like them very much."

"Are you fond of dancing, Emily? Answer without an E."

Emily—"I was always partial to it."

"Fred, with whom did you ride yesterday? Answer without an R."

Fred—"With my father."

In this case, Fred having used the letter i in "with," is compelled to pay a forfeit. The game then continues as before, until a number of forfeits are collected.

A Mysterious Perfume

It was Lois who first noticed it. She began to sniff as soon as she came in from school.

"What is it smells so good?" she asked. "What are you cooking?"

"Nothing but potatoes," her mother answered. "I guess it's the wood in the oven. The kindlings seemed damp this morning, so I put some in to dry. I never knew any wood smell like that; it's delicious."

"O, what are we going to have for dinner?" cried Eliott, bursting into the kitchen with a clatter and a bang. "I should think it was sassafras soup by the smell!"

"Sassafras soup! What a boy!" "Well, it would be good! What is it, anyhow?"

"It isn't sassafras, for there isn't a tree on the farm," laughed Lois. "I wish there were."

"Who's eating wintergreen candy?" asked little Sophie. "Give me some—do!" and the outer door opened and shut, letting in a whiff of fresh air. "I declare, I believe I smell something now! It must be the wood." Mrs. Alford sniffed at the oven door. "I don't know whether it's here or not," she concluded; "but I must broil the steak—I know that!"

"Dinner smells good!" said the father, coming in breezily. "What is it this time—Banbury turnovers or orange shortcake?"

The others laughed. "We've all been fooled," answered Lois. "It's just beefsteak and potatoes and apple pie. Somebody has been perfuming the wood, I think. It ought to be the first of April."

After dinner Eliott inspected the oven. "I have it!" he exclaimed triumphantly, inhaling the odor up and

down the length of a small stick. It's this birch!"

The rest crowded around, and the wood passed from hand to hand.

"It smells just like wintergreen candy, anyway," insisted Sophie, "if you did laugh at me!"

"I remember there was a small black birch in the corner of that swamp we've been cleaning up," said Mr. Alford, "and this must be a piece of it."

"And Sophie isn't so far out of the way after all," put in Eliott, "for Mr. Thrall told me once that essence of wintergreen was often made from black birch."

"Well, I'm not going to have a bit of that burned up!" declared Lois. "We'll keep it to perfume the house. We can put it in that little oven on top of the parlor stove, and make everybody wonder what it is smells so good. It will be fun! Come on out to the woodshed, Eliott and Sophie, and let's pick out all we can find!"

The Snapshot

"Come on; all ready. Stand right there,

I'll tell you when I'm taking. Wait, I've got to focus. Now! Prepare!

No, no—the camera's not straight. How far is it, do you suppose?

I'm focussing at twenty feet. No, papa needn't change his clothes,

And doesn't baby look too sweet!

"Now! Wait a minute—I can't get You all in, somehow. Mamma,

please Move closer to papa—closer yet;

Or sit, with baby on your knees. I'll move back, too, a little bit.

Now! Wait—You're partly in the shade.

I guess that mamma'll have to sit, Or else she won't show, I'm afraid.

"And, papa, you sit, too. Let's see—No, that won't do; your feet are out

Of focus; they would look to be As big as ferry boats, about!

Turn catty corner—there! Now! No, That won't do. Wait. I guess

we planned Best way at first. You seem so low. Perhaps you all had better stand.

"No! Wait!—until the sun is bright. How mean a cloud should interfere! You're all three now exactly right!

Just fine! And baby's moved! Oh, dear!

But, there—it's coming out! Now quick!

Here, baby! Look at sister—look! Just look at sis—I'm eaking!" (Click!)

"There, now! It's over with. You're 'took.'"

—St. Nicholas.

Weak Kidneys

It is of but little use to try to doctor the kidneys themselves. Such treatment is wrong. For the kidneys are not usually to blame for their weaknesses or irregularities. They have no power—no self-control. They are operated and actuated by a tiny shred of a nerve which is largely responsible for their condition. If the Kidney nerve is strong and healthy the kidneys are strong and healthy. If the Kidney nerve goes wrong, you know it by the inevitable result—kidney trouble.

This tender nerve is only one of a great system of nerves. This system controls not only the kidneys, but the heart, and the liver, and the stomach. For simplicity's sake Dr. Shoop has called this great nerve system the "Inside Nerves." They are not the nerves of feeling—not the nerves that enable you to walk, to talk, to act, to think. They are the master nerves and every vital organ is their slave. The common name for these nerves is the "sympathetic nerves"—because each set is in such close sympathy with the others that weakness anywhere usually results in weakness every where.

The one remedy which aims to treat, not the Kidneys themselves, but the nerves which are to blame, is known by physicians and druggists every where as Dr. Shoop's Restorative (Tablets or Liquid). This remedy is not a symptom-remedy—it is strictly a cause remedy. While it usually brings speedy relief, its effects are also lasting.

If you would like to read an interesting book on inside nerve disease, write Dr. Shoop. With the book he will also send the "Health Token"—an intended passport to good health. Both the book and the "Health Token" are free.

For the free book Book 1 on Dyspepsia, and the "Health Token" Book 2 on the Heart, Book 3 on the Kidneys, Book 4 for Women, Book 5 for Men, Dr. Shoop, Box 23, Racine, Wis. State which book you want. Book 6 on Rheumatism.

Dr. Shoop's Restorative Tablets—give full three weeks' treatment. Each form—liquid or tablet—have equal merit. Druggists every where.

Dr. Shoop's Restorative

Felice—"The diamond in this engagement ring is awfully small."
Henry—"I told the jeweller it was for the smallest hand in all England."

Ideal Sport
A Fine Day
A Good Dog
and

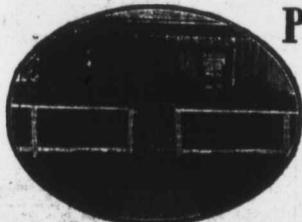


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TORONTO, WINNIPEG, ST. JOHN

IN THE KITCHEN

Muffins and Waffles

RYE MUFFINS—Mix together one pint of hot water or milk, one-half of a cupful of molasses, and one cupful of fresh yeast and two eggs and a little salt. Then beat in one cupful of rye meal and enough wheat flour to make a batter about the consistency of pound cake. Mix at night. Have the muffin rings thoroughly greased and pour in the mixture and bake in a hot oven.

GRIDDLE MUFFINS—Sift in three small cupfuls of flour three teaspoonfuls of baking powder and one-half of a teaspoonful of salt. Add one egg and a teaspoonful of melted butter to a pint of milk; then beat in the flour. Grease the muffin rings and place on a hot griddle. Fill each ring half full of batter, bake a light brown over a moderate fire. Turn them over with a pancake turner, and bake the same on both sides.

RYE MUFFINS—Cream together one tablespoonful each of butter and sugar and two eggs. Add a pint of warm milk and half of a yeast cake that has been soaked in a little milk, and a little salt; then stir in three pints of flour and a cupful of boiled rice. Leave to rise over night. These can be baked in muffin rings or on the griddle, as liked.

WAFFLES—Cream together a tablespoonful of butter, two of sugar and the yolks of two eggs. Add a pint of milk. Sift in one pint of flour, two tablespoonfuls of baking powder and a half teaspoonful of salt, stir into the batter. Beat the whites of the eggs to a stiff froth and stir in. Place the waffle iron over a bright fire; when hot grease with melted butter. Drop in two tablespoonfuls of the batter in a square. Bake to a golden brown on each side. Serve hot.

RYE WAFFLES—Cream together two tablespoonfuls each of butter and sugar and three eggs, add three cupfuls of sweet milk and one cupful of cold boiled rice. Sift in three cupfuls of flour, two tablespoonfuls of baking powder and one-half of a teaspoonful of salt. Butter and sugar the waffles after they are baked, lay two together and serve.

Have You Tried?

If the winter apples do not make sauce when-cooked in the usual way, have you tried cooking them three or four hours in plenty of water with about-one fourth the usual amount of sugar, cooking until of a reddish brown color?

If you wish a hole in the centre of a cake and have no pan with a central hole, have you tried making a hole

with a bottle? Place the bottle, mouth up, in the centre of the pan before pouring in the batter.

If the beans will not cook nicely in your hard water, have you tried cooking them in soft water? Some well water contains minerals which act upon the skin of the bean.

Have you tried mixing dried fruit, such as apricots and peaches, with apples and making delicious winter butters? Cook the dried fruit well, then rub through a sieve before mixing with the cooked apples. Use half and half, or whatever proportion will produce the flavor desired. Apricots can take more apples than the peaches. After mixing cook as long as other butters. These may be canned and kept until spring when provisions are low.

A Winter Salad

Boil as many eggs as you have members of the family; when done remove the shell and cut off one end of the egg so that it may be stood up. Place on a plate which has a lettuce leaf on it; place two or three stuffed olives beside the egg; then put a small quantity of salad dressing on the leaf. This salad will find a ready welcome among the lenten dishes.

Washing Dishes

A resourceful housewife keeps a bowl of water beside the sink, into which bowl is thrown such scraps of soap as might otherwise go to waste. Beside this rests a tiny scrubbing brush, purchased for a few cents; while above hangs the chain pot scraper (some call it a metal dish cloth). Instead of permitting the casual plates or other dishes employed during the preparation of a meal, to litter up the kitchen until the regular dish washing time, these are promptly held under the hot water faucet, the brush is dipped into the soap "jelly," and the dishes quickly scrubbed clean. Indeed, the regular dish washing is frequently performed in this way, with the pot scraper to facilitate matters. Thus are cleansing and rinsing both done at once; while as to cleanliness, running water has every advantage over the pan of water which is made to do duty for a pile of china. The brush may be kept sweet by boiling at intervals, in water to which has been added a little washing soda or substitute.

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Windsor SALT

is absolutely pure—dissolves quickly—and is easiest to work. It makes the most delicious butter that readily brings the highest market price.

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READ OUR WONDERFUL OFFER
We are not only going to give away one of the handsomest Violins you ever saw but we are going to give a complete outfit along with it, also a perfect self-instructor by which you can learn to play the finest music by yourself, and all this won't cost you a cent. It is a really magnificent instrument, beautifully shaped, an exact model of famous German Violins, of the popular rich reddish brown color, highly polished with beautiful Pearl inlaid edges and Pearl inlaid tail-piece elegantly decorated in richly colored artistic designs. It is a pure, clear, ringing tone equal to many of the most expensive Violins. Write to-day for details of our handsome colored

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to sell at 10c a set. (Four beautiful scenery and comic, all in colors.) Positively the quickest return you ever saw in your life. Everybody buys, they're so beautiful and cheap. When sold return money and we'll promptly send you this beautiful silver-toned Violin and complete outfit, consisting of a fine Brazilian Bow, box of Rosin, extra set of strings and complete instructor with a number of popular pieces. This is a Special Offer good for a short time only. Write at once. Colonial Art Co., Dept. 1140 Toronto

promptly send you this beautiful silver-toned Violin and complete outfit, consisting of a fine Brazilian Bow, box of Rosin, extra set of strings and complete instructor with a number of popular pieces. This is a Special Offer good for a short time only. Write at once. Colonial Art Co., Dept. 1140 Toronto

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WE GIVE 50 HANDSOME COLORED PICTURES.
Magnificent and best. An Improved German. Guaranteed. With double lens, 200 ft. of film, lamp, and battery. Includes everything you need to start with. Write at once for details.

Write to-day for 24 large packages of finest Pan Foods to sell at 10c a package—the finest made in the world. Each package contains over 60 different varieties, all huge giant flowers, deliciously fragrant. In hundreds of beautiful colors. Everybody buys. When sold return money and we will immediately send you this great big handsome Lantern and 24 large colored pictures. It will give you extra big returns for which you can charge an admission fee, and thus earn money as well as delight your friends. Write at once and you will have the whole outfit in a few days. The Prisco Seed Co., Dept. 1127 Toronto

FREE BOY'S HANDSOME WATCH



Latest model, new baby edge, beautiful nickel silver case, highly polished, very handsome decorated dial, heavy beveled crystal. Neatly shaped blue steel hands and fixed with reliable imported works, a well-made, handsomely finished watch that every boy will be proud to wear. Write at once for details of our beautiful Colored Picture Post Cards to sell at 10c a set. (Four gorgeously colored Cards in every set.) Everybody buys they're so beautiful and cheap. When sold, return money and we'll send you this handsome Watch. Boys say it's a Dandy. Write quick. **THE GEM NOVELTY CO., Dept. 1123 Toronto**

HANDSOME WATCH FREE



Looks just as good as watches costing \$20 and \$25. Just the kind of watch every boy wants and should have—strong and well made, with beautifully polished solid silver nickel case, heavy beveled French crystal, hard to break, nicely ornamented, precision dial, hour, minute and second hands of fine blue steel and splendid work. Boys say its steady and keeps time exactly with their father's watches. Write in to-day and we'll send you 10 beautiful colored pictures of early blooming sweet Pan Foods, best in the world, over 60 different kinds, all giant flowers, deliciously fragrant. In hundreds of beautiful colors. Sell them at 10c a package. Everybody buys. Return money and we'll promptly send you this handsome watch free. Address **THE ROBINSON SEED CO. DEPT. 1123 TORONTO, ONT**

In the Sewing Room

May Manton's Hints

YOKE DRAWERS 5225

Well fitting undergarments are absolutely essential both to comfort and to style, inasmuch as no skirt can give a satisfactory effect if there be clumsy folds beneath. The drawers illustrated are cut on exceptionally desirable lines and provide sufficiently abundant fulness without unnecessary bulk while they are finished at the top with the shaped yoke that means perfect smoothness at the waist line. In the illustration long cloth is trimmed with embroidery but all materials that are used for garments of the sort are appropriate and the frills can be of embroidery or lace, of the material or of linen lawn as may be liked.



5225 Yoke Drawers, 22 to 32 waist.



5237 Fancy Boleros, 32 to 40 bust.

The drawers are absolutely simple, tucked at their lower edges and gathered at the upper where they are joined to the yoke. Draw strings are inserted in the back, which serve to regulate the size.

FANCY BOLEROS, WITH OR WITHOUT SLEEVES 5237

Boleros of all sorts and all shapes are to be noted upon the more elaborate indoor gowns of the season as well as the costumes for street wear and make exceedingly chic and charming effects. In the illustration are shown two equally desirable but quite different sorts, both of which allow a choice of sleeves or no sleeves. Number one as illustrated is made of heavy faille with trimming of Oriental banding but the model is a favorite one for the very beautiful Mandarin embroideries, for silk and velvet embroidered with silver and gold threads as well as for plain materials, so that it fills many needs. Number two is shown in baby Irish crochet but it also is adapted to all the materials that are used for little jackets of the sort. Lace is always pretty and attractive for dressy occasions, but some of the embroidered and paillette materials make exceedingly elegant effects.

Number one is made with fronts and back, fitted by means of shoulder and under-arm seams, but number two is cut in one piece, the fronts being turned over to form the revers.

WEDDING Stationery. Young Ladies who are interested in what is Proper in the matter of Stationery for Weddings, should send for our Booklet, Free for the asking. Latest type faces. Best imported stock. Lynn Side Press, Dep. 5, Simcoe, Ont.

\$12 WOMAN'S SPRING SUITS \$4.50
MADE TO ORDER. Suits to \$15.00. Jackets, Raincoats, Waists and Skirts at manufacturer prices. Send for Spring Samples, Cloths and Fashions to No. 19, SOUTHOOTT SUIT CO., London, Canada.



TAKES ALL THE WORK OUT OF WASH DAY

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The New Century Washing Machine
going. Hook and read and wash the clothes. Isn't that a luxury after the hand-chopping, back-breaking rub, rub, rub over the wash board.

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WRITE FOR CIRCULARS

FREE Gold Watch AND FREE
We give this stem with fully guaranteed American Watch with gold-laid case magnificently engraved to Solid Gold design new this model. Fully equal in appearance any \$50 Solid Gold Watch, also an exquisite Ring, a perfect imitation of a \$50 Solid Gold Diamond, for selling 25 sets of beautifully colored Post cards
Post Cards
4 in x 2 in
(Four Cards to one set) Sell like hot cakes.
Write for \$4 sets. Receive money and we'll send both Watch and Ring. **The Colonial Art Co., Dept. 1129 Toronto, Ont.**

REWARD FOR TRAPPERS.
We pay highest cash prices for raw furs. Our price list tells how much. Write at once and do not delay to change your skins for money.
REVILLON BROS., Ltd.,
184 MCGILL STREET, - - MONTREAL

SHIRRED BLOUSE WITH BOLERO 5229

There is a certain charm about the bolero waist that makes it a perpetual favorite. This season it is being shown in some exceptionally attractive and charming designs, but always retains the essential characteristics. Illustrated is one of the prettiest of the season's models that combines lace with chiffon cloth, but which will be found available for a great many combinations. The chiffon cloth is charmingly soft and shirrs with perfect success, but there are also a great many soft silks and wools. Indeed, almost every fashionable material is of the crushable sort and appropriately can be shirred so that the waist becomes available both for the gown and for the separate blouse for which there are so many uses. The bolero



5229 Shirred Blouse with Bolero, 32 to 40 bust.

of lace with cuffs to match makes an exceedingly dressy effect, but it also can be utilized in many ways. Embroidered silks and the like are much in vogue and make most effective little jackets, velvets as well as brocades also being seen.

The waist consists of the fitted lining, which closes at the centre front, the back, the fronts and the jacket, while the closing of the waist is made invisibly at the left of the centre. The sleeves are in themselves novel and attractive and are shirred to form frills at the lower edges. At the waist is worn one of the wide shirred girdles that are so generally becoming and so much in vogue.

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

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DON'T THROW MONEY AWAY



THE SETTING HEN—Her failures have discouraged many a poultry raiser.

You can make money raising chicks in the right way—lots of it.

No one doubts that there is money in raising chickens with a good incubator and brooder.

Users of the Chatham Incubator and Brooder have all made money. If you still cling to the old idea that you can successfully run a poultry business using the hen as a hatcher, we would like to reason with you.

In the first place, we can prove to you that your actual cash loss in eggs, which the 30 hens should lay during the time you keep them hatching and brooding, will be enough to pay for a Chatham Incubator and Brooder in five or six hatches, to say nothing whatever of the larger and better results attained by the use of the Chatham Incubator and Brooder.

If you allow a hen to set, you lose at least eight weeks of laying (three weeks hatching and five weeks taking care of the chickens), or say in the eight weeks she would lay at least three dozen eggs. Let the Chatham Incubator on the hatching, while the hen goes on laying eggs.

Our No. 3 Incubator will hatch as many eggs as twenty setting hens, and do it better. Now, here is a question in arithmetic:—

If you keep 30 hens from laying for 8 weeks, how much cash do you lose if each hen would have laid 3 dozen eggs, and eggs are worth 15 cents per dozen? **Ans.—\$9.00.**

Therefore, when the Chatham Incubator is hatching the number of eggs that twenty hens would hatch, it is really earning in cash for you \$9.00, besides producing for your profit chicks by the wholesale, and being ready to do the same thing over again the moment each hatch is off.

Don't you think, therefore, that it pays to keep the hens laying and let the Chatham Incubator do the hatching?

There are many other reasons why the Chatham Incubator and Brooder outclasses the setting hen. The hen sets when she is ready. The Chatham Incubator is always ready. By planning to take off a hatch at the right time, you may have plenty of broilers to sell when broilers are scarce and prices at the top notch. If you depend on the hen, your chicks will grow to broilers just when every other hen's chicks are being marketed, and when the price is not so stiff.

The hen is a careless mother, often leading her chicks amongst wet grass, bushes, and in places where rats can confiscate her young.

The Chatham Brooder behaves itself, is a perfect mother and very rarely loses a chick, and is not infested with lice.

Altogether, there is absolutely no reasonable reason for continuing the use of a hen as a hatcher and every reason why you should have a Chatham Incubator and Brooder.

We are making a very special offer, which it will pay you to investigate.

Small Premises Sufficient For Poultry Raising.

Of course, if you have lots of room, so much the better, but many a man and woman are carrying on a successful and profitable poultry business in a small city or town lot. Anyone with a fair sized stable or shed and a small yard can raise poultry profitably.

But to make money quickly, you must get away from the old idea of trying to do business with setting hens as hatchers. You must get a Chatham Incubator and Brooder.

To enable everybody to get a fair start in the right way in the poultry business, we make a very special offer which it is worth your while to investigate.

We can supply you quickly from our distributing warehouses at Calgary, Brandon, Regina, Winnipeg, New Westminster, B.C., Montreal, Halifax, Chatham. Factories at CHATHAM, ONT., and DETROIT, MICH.

The MANSON CAMPBELL CO., Limited, Dept. No. 4, CHATHAM, CANADA

Let us quote you prices on a good Fanning Mill or good Farm Scale.

Please mention The Farming World when writing Advertisers.

The Chatham Incubator and Brooder has created a New Era in Poultry Raising.

The setting Hen as a Hatcher has been proven a Commercial Failure.

The Chatham Incubator and Brooder has always proved a Money Maker.

A Light, Pleasant and Profitable Business for Women

Many women are to-day making an independent living and putting by money every month raising poultry with a Chatham Incubator.

Any woman with a little leisure time at her disposal can, without any previous experience or without a cent of cash, begin the poultry business and make money right from the start.

Perhaps you have a friend who is doing so. If not, we can give you the names of many who started with much misgiving only to be surprised by the ease and rapidity with which the profits came to them.

Of course, success depends on getting a right start. You must begin right. You can never make any considerable money as a poultry raiser with hens as hatchers. You must have a good incubator and brooder, but this means in the ordinary way an investment which, perhaps you are not prepared to make just now, and this is just where our special offer comes in.

If you are in earnest, we will set you up in the poultry business without a cent of cash down. If we were not sure that the Chatham Incubator and Brooder is the best and that with it and a reasonable amount of effort on your part you are sure to make money, we would not make the special offer below.

**WE WILL SHIP NOW
TO YOUR STATION
FREIGHT PREPAID**

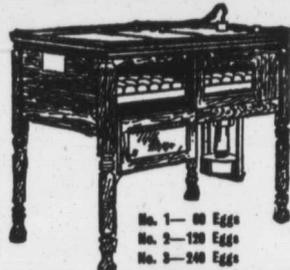
**A CHATHAM
INCUBATOR
and BROODER**

**You Pay us no Cash
Till After 1906 Harvest**

"Gentlemen,—Your No. 1 Incubator is all right. I am perfectly satisfied with it. Will get a larger one from you next year. H. M. LOCKWOOD, Lindsay, Ont."

"Gentlemen,—I think both Incubator and Brooder is all right. I got 75 per cent out of three hatches. H. S. FLEMING, Plattsville, Ont."

"Gentlemen,—I had never seen an incubator until I received yours. I was pleased and surprised to get over 80 per cent, and the chickens are all strong and healthy. A child could operate machine successfully. JAS. DAV, Bathwell, Man."



No. 1—80 Eggs
No. 2—120 Eggs
No. 3—240 Eggs

THE CHATHAM INCUBATOR—Its success has encouraged many to make more money than they ever thought possible out of chicks.

Every Farmer Should Raise Poultry

Almost every farmer "keeps hens," but while he knows that there is a certain amount of profit in the business, even when letting it take care of itself, few farmers are aware of how much they are losing every year by not getting into the poultry business in such a way as to make real money out of it.

The setting hen as a hatcher will never be a commercial success. Her business is to lay eggs and she should be kept at it. The only way to raise chicks for profit is to begin right by installing a Chatham Incubator and Brooder. With such a machine you can begin hatching on a large scale at any time.

You can only get one crop off your fields in a year, but with a Chatham Incubator and Brooder and ordinary attention, you can raise chickens from early Spring until Winter and have a crop every month. Think of it!

Quite a few farmers have discovered that there is money in the poultry business and have found this branch of farming so profitable that they have installed several Chatham Incubators and Brooders after trying the first.

Perhaps you think that it requires a great deal of time or a great deal of technical knowledge to raise chickens with a Chatham Incubator and Brooder. If so, you are greatly mistaken. Your wife or daughter can attend to the machine and look after the chickens without interfering with their regular household duties.

The market is always good and prices are never low. The demand is always in excess of the supply and at certain times of the year you can practically get any price you care to ask for good broilers. With a Chatham Incubator and Brooder you can start hatching at the right time to bring the chickens to marketable broilers when the supply is very low and the prices accordingly high. This you could never do with hens as hatchers.

We know that there is money in the poultry business for every farmer who will go about it right. All you have to do is to get a Chatham Incubator and Brooder and start it. But perhaps you are not prepared just now to spend the money. This is why we make the special offer.

IS THIS FAIR ?

We know there is money in raising chickens. We know the Chatham Incubator and Brooder has no equal.

We know that with any reasonable effort on your part, you cannot but make money out of the Chatham Incubator and Brooder.

We know that we made a similar offer last year and that in every case the payments were met cheerfully and promptly, and that in many cases money was accompanied by letters expressing satisfaction.

Therefore, we have no hesitation in making this proposition to every honest, earnest man or woman who may wish to add to their yearly profits with a small expenditure of time and money.

This really means that we will set you up in the poultry business so that you can make money right from the start, without asking for a single cent from you until after 1906 harvest.

If we knew of a fairer offer, we would make it. Write us a post card with your name and address, and we will send you full particulars, as well as our beautifully illustrated book, "How to make money out of chicks." Write to-day to Chatham.

QUESTIONS AND ANSWERS

Brittle Hoofs

Can anything be done for a foal whose dam has thin, brittle hoofs, and which seems to have inherited the same tendency?—E. G. Geddings, Kings Co., P.E.I.

A foal's feet can be very much improved by a little care. Keep them well pared down when young, both at the heel and toe. Apply some kind of hoof ointment to the hoof regularly. This will help to toughen it and make it less brittle. We have known of sweet oil to be applied in such cases with good effect.

Working a Farm on Shares

Please give some plan for a man to work a farm on shares, the produce to be fed to hogs and cattle, the man to take his share in money from sales, etc., he also to make butter. What share should a man receive for doing the work, the owner to find everything to work with and pay taxes, threshing bills, etc?—W. H. Stewart, Lincoln Co., Ont.

The usual plan, when the owner of the farm supplies everything and pays taxes, etc., is that the man who does the work gets one-third. One-third of the profits is considered a fair return for supplying machinery, etc., to work with and paying threshing, tax, etc. In the west, where so much machinery, etc., is not required, the owner of the farm often gets only one-half when he supplies everything. We also know of cases in Ontario where the man who did the work got one-half, but these are the exceptions, not the rule. The man doing the work is supposed to get his living off the place in so far as the farm will supply it from the products grown. Of course tea, sugar, clothing, etc., which the farm does not produce, would not be included.

Keep Injurious Weeds in Check

Editor THE FARMING WORLD:

Will you kindly throw some light on the noxious weed question for the benefit of the farming community, and especially in regard to the sow thistle. This weed is becoming a serious menace in many parts of Ontario and is one of the worst weeds farmers have to contend with. (Your questions relating to weed inspector, etc., were answered under "rural law" page 180, last issue.)

This noxious weed question is a serious matter and should be attended to at once. The government should take it in hand, as they did the pure seed question. The writer can name farms that have depreciated in value \$1,000 owing to bad weeds.

SETH DOAN.

Perth Co., Ont.

Our correspondent has not put the case any too strongly. There are hundreds of farms all over this country that have been very much depreciated in value owing to being overrun with weeds. The farmer must exercise constant vigilance in order to keep his place clean and free from injurious weeds. One source of infection is in seed, more particularly grass and clover seeds. The farmer cannot be too particular in regard to the cleanliness of the seed he buys. If the pure seed bill, which has recently become law, does nothing else than help the farmer to obtain clean

seed it will have given good reason for its existence. Other sources of weed infection are the carrying of seeds by the threshing machine from one farm to another; the neglect of one farmer to keep his farm clean and to cut or destroy weeds before they seed. Often the roadway or the railway is a source for the dissemination of weeds. It should be somebody's business to see that the roadway or the railway are kept free of weeds. Likewise the municipality should adopt strong anti-weed legislation and

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whether large or small, needs proper tools for seeding and cultivating. We make garden implements of all kinds, a tool for every purpose.

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For Sale by
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**SEVEN OF OUR
HUGE TOMATOES
MAKE A YARD**

TOMATO AND OTHER SEED SPECIALTIES

Among our numerous specialties we are now offering five different kinds of the finest tomato seeds in the world. If you grow tomatoes you should have some of these.

ROSEDALE—Earliest tomato known—10 days to 2 weeks ahead of all others—heavy yield, smooth and thick.

CHALK'S EARLY JEWEL—Extremely early, uniformly large, fine quality, very thick through—specially profitable for early gardening.

PLENTIFUL—Good all round for general cultivation, fruit is large size, enormous yield, smooth and uniform.

IMPERIAL—In color is between pink purple and glossy crimson, very fine flavor, making it a good table quality, bears early and produces fruit until frost.

NOLTE'S EARLIEST—Is best of all early varieties for heavy, mucky soil, is smooth, well shaped and excellent quality.

ONE PACKAGE OF EACH (5 VARIETIES) 25c. REGULAR PRICE 50c.

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BEFORE YOU SOW IT



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We will send one of these

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to any one sending in a new subscription. Send in when renewing. We will accept your own and one new subscriber for one year for \$1. If you have renewed fill in the subjoined blank.

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see to it that it is properly enforced.

The sow thistle or more properly the perennial sow thistle is a very bad weed to contend with and farmers should be on their guard against it. It grows from one to three feet high. The stems are hollow, somewhat rough, and are full of a milky white juice. It has vigorous underground root stocks, which propagate buds, which in time produce plants. The leaves are deeply cut, thin and smooth; the flowers, which are produced in large heads at the top of the stem, are yellow and quite similar to the dandelion.

To fight the sow thistle and other perennials, such as bird weed and couch or twitch grass, the best plan is to attack them during the period of most rapid growth, which is usually during the months of May and June. If the ground is plowed lightly in the spring, say about the middle of May, young plants will soon be seen appearing above the surface. If at this stage an implement can be found that will cut the young plants an inch or two under ground without disturbing the creeping root stocks below the surface, the plan will be found to work well. By cultivating with broad pointed cultivators during June, a very serious check will be given to the underground stems, and if the work is thoroughly done it will be very much weakened. About the end of June or just before haying, if the farmer does not wish his land to lie idle throughout the season, the ground should be sown to rape in drills and

cultivation with the scuffer maintained after sowing. If the ground is rich and the rape makes rapid growth it will be found that the sow thistle will be very seriously injured by the rape crop, after being weakened by the cultivation described above. With the exception, perhaps, of couch grass, perennials can be eradicated by this method. This grass is very hard to get out owing to the toughness of its roots and more radical measures will have to be put in force.

ABOUT RURAL LAW

In this column will be answered for any paid-up subscriber, free of charge, questions of law. Make your questions brief and to the point. This column is in 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 World, Toronto.

Closing Highway

A and B each own land along a side road which is a public highway running north and south between two concession roads. The road was given by the early settlers and statute labor has been performed upon it. A and B and the township council are trying to close up this road and thereby cause miles of a drive around. C and D each own land on the opposite side of this same road and they with a majority of the ratepayers of the township are opposing the closing of same, as it is used and travelled by the public and has been for upwards of seventy or eighty years. Notice has been posted to pass a by-law at the next council meeting to sell the road and if sold it would cause damage to C and D.—Subscriber (Corbyville).

By section 598 of the Consolidated Municipal Act, 1903, "all allowances made for roads by the Crown surveyor in any town, township or place already laid out or hereafter laid out; and also all roads laid out by virtue of any statute or any road whereon the public money has been expended for opening the same or whereon the statute labor has been usually performed . . . shall be deemed common and public highways unless where said roads have been already altered or may hereafter be altered according to law.

Section 629 of said Act provides "no municipal council shall close up any public road or highway whether an

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Wm. H. G. Co., 268 Ninth St., Monmouth, Ill.

FREE Lady's Enamelled WATCH

We trust you with 3 doz. packages of our fast-selling Fresh Sweet Pot. Seeds to sell at 10c each, the largest and most beautiful packages ever sold for 10c. Each one contains over 60 different varieties, all large flowering deliciously fragrant, in hundreds of beautiful colors. When sold return money and we'll promptly send you the prettiest little Watch you ever saw, with 6000 cases enamelled with roses, buds and leaves in beautiful colors, also a magnificent imitation Diamond Ring, if you're prompt in sending in the money. **Prime Seed Co., Dept. 1135 TORONTO, ONT.**



WIRE CUTS, SORES, WOUNDS, QUICKLY HEALED

"HORSE COMFORT" is an unequalled specific for all kinds of sores, wounds, cuts, bruises, saddle or harness galls, sore shoulders, scratches, grease heel, mud fever, malignant ulcers, fistula, poll evil corns, proud flesh, blood poison, etc. One application removes the soreness, begins to cure

at once and allows the horse to go to work. "HORSE COMFORT" means comfort to the horse and freedom from fretting; it means better conditioned horses,

more and better service from your horse. Every horse owner should keep a bottle of it in his medicine chest—it will pay for itself in a short time. If your dealer cannot supply it we send it direct. Write to day for

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"HORSE COMFORT" booklet free, and if you keep cows ask for book,

"THE COST OF A LOST COW"—It will interest every cow owner.

Dairy Association Co., Mfrs., Lyndonville, Vt., U.S.A.

original allowance or a road opened by the Quarter Sessions or by any municipal council or otherwise legally established whereby any person will be excluded from ingress and egress to and from his lands or place of residence over such road unless the council, in addition to compensation, also provides for the use of such person some other convenient road or way of access to the said lands or residence.

Section 632 of the Act provides (1) "No municipal council shall pass a by-law for stopping up, altering, widening, deviating, leasing or selling any original allowance for road or for establishing, opening, stopping up, altering, widening, deviating, leasing or selling any other public highway, road, street or lane (a) until written or printed notices of the intended by-law have been previously posted up for one month in six of the most public places in the immediate neighborhood of such original allowance for road, street or other highway, road, street or lane.

(b) And published weekly for at least four successive weeks in some newspaper published in the municipality; or if there be no such newspaper, then in a newspaper published in some neighboring municipality. And where no newspaper is published in the municipality or in a neighboring municipality, then in the county town if such there be.

(c) Nor until the council has heard in person or by counsel or solicitor any one whose lands might be prejudicially effected thereby and who petitions to be so heard—

By section 637 of the Act the council of every county, township, city, town or village, may pass by-laws "for opening, making, preserving, im-

proving, repairing, widening, altering, diverting, leasing, selling or stopping up, roads, streets, squares, alleys, lanes, bridges, or other public communications within the jurisdiction of the council.

By section 660, sub-section 2, the council for every township may pass by-laws "for the stopping up, leasing or sale of any original allowance for road or any part thereof within the municipality; and for fixing and declaring therein the terms upon which the same is to be leased, sold or conveyed."

"But no such by-law shall have any force (a) unless passed in accordance with section 632 of this Act (above referred to) nor

(b) Until confirmed by a by-law of the council of the county in which the township is situate at an ordinary session of the county council held not sooner than three months nor later than one year next after the passing thereof."

We have endeavored to above give you some of the principal sections of the Municipal Act which apparently relate to the subject matter of your question. From these you will see

that the councils have, and necessarily must have, wide powers relating to the public highways. You will also see that you are entitled to be heard by the council either in person or by your counsel or solicitor and you are thus afforded the opportunity of placing your side of the case before them if your petition is to be heard. If, as you say, a majority of the ratepayers of the municipality are opposed to having the road closed and such opposition is properly brought before the council by petition or otherwise the council may not be disposed to proceed to pass the by-law against the weight of public opinion.

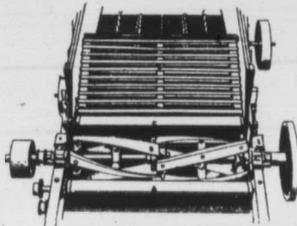
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Labor Problem Solved



The Stewart Straw Cutter

This device is proving the Greatest Labor Saver and Money Maker of all recent inventions placed at the farmer's disposal. It may be attached to any make of separator, and will cut the straw at same time as threshing. If the thresherman who contracts for your threshing has not got a Stewart Straw Cutter attached to his separator ask him to have one put on. Now is the time to do it.

Write for illustrated booklets to
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Alfalfa — or —
Any Other Seed
can best be sown by the
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Simmers' quality Seeds cover this, because we buy from acknowledged specialists, and we spare no expense in procuring the Best Seeds for germination and productiveness.

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**J. A. SIMMERS,
TORONTO, ONT.**

In the Poultry Yard

A Poultry Winner

Mr. W. R. Knight, of Bowmanville, Ont., exhibited at the Lindsay show, February, 1906, twenty-nine birds and won on every entry. On Andalusians he won all firsts and seconds (18 birds in competition); Black Java cock 1st and 2nd, hen 2nd, cockerel pullets 1st and 3rd. Buff Leghorn pullets all firsts; Houdan cock 2nd; hen 1st.

Mr. Knight is the oldest breeder of Houdans in Canada as well as being a most successful breeder and exhibitor of other classes for a great many years. Write him and you will find him a cheerful correspondent, willing to give pointers to beginners.

What is a Nest?

A nest is not, and never will be, some straw and, perhaps, a few bricks round it. I think the perfection of a nest is made with plenty of nice soil at the bottom, and over it chopped straw or soft hay, shaped out with the hand in the form of a saucer. A hen will not lay in a roughly-made nest. I have often known them prefer the bare floor rather. Again, if nests are placed in the fowl houses, those houses must be kept clean and sweet. I am sure if only poultry keepers would use plenty of lime for their fowl houses, and keep them sweet and clean, that there would be little fear of the fowls ever laying away.—Bessie Turner.

Strong Fertile Eggs

Strong fertile eggs depend a great deal on the amount of animal food the stock birds obtain; just now there's nothing better than fresh cut bone in this line. Eight pounds will feed 36 fowls for a week, and is all the animal food they need, so that a shilling spent in this way will repay itself time and again in the extra eggs produced. Not only this, but such eggs will be of the best possible description for hatching purposes.—Will Hooley, in Southport Visitor.

How Many Eggs Should a Hen Lay?

The natural egg production of a hen would be a sufficient number to produce one or two broods during the natural breeding season of the spring, and no more. It was never intended by Nature that hens should be bred, trained, and fed to produce from 200 to 250 eggs per year. If the laws of Nature were still continued in, the hen would only produce, from fifteen to twenty-five eggs in a season, which would most likely each one of them produce a living chick, and the producer of those eggs might well be satisfied with these results. But when we strain the condition of Nature up to the point of producing from five to ten times as many eggs as Nature ever intended them to do, we must simply divide up Nature's possibilities and remember that the fertility of the eggs is most likely to spread over the entire egg production of the hen in about the same proportion as to the increase of the eggs that she produces. A hen that lays 250 eggs per year, under the law of Nature as it originally existed, one egg in ten would produce a chick. So the ratio would go. Man may plan and contrive, and may succeed in having an egg machine in his hens that will produce even ten times as many eggs as Nature intended, but beyond this he cannot go.—Feathered Life.

Ottawa Poultry Show

The poultry show at Ottawa last week was the best ever held there. There were nearly 1,600 entries as compared with about 1,200 in 1905. The average quality was good, though at this season of the year the birds do not show up to the best advantage. The Barred Rocks and S. C. Leghorns made the largest exhibit, with White Wyandottes and Orpingtons a good second among the utility breeds. The show of fancy birds was good and attracted considerable attention.

Caring for Incubator Chicks

I care for the breeding and laying stock and manage the incubator and brooder myself. Have had hatches of 250 strong chicks. Eggs are selected from sturdy stock of egg-laying strain and the incubator is run in a small, quite open, brick summer kitchen. The ventilating slides are kept closed the entire time, keeping the temperature at 101 or 101½ degrees the first week and 102½ the last week. I do not cool except the last week, but air the machine while the eggs are out. A sponge dipped in hot water is placed under each tray when the eggs begin to pip and the floor of the room is moistened if the weather is dry and windy. The incubator is not opened, except the slides, till the hatch is over and the temperature is not allowed to go much above 104. At night, at least once, I get up to attend the brooders, as the temperature requires careful attention. The aim is to keep them at 100 degrees or a little higher for a few days, being sure of enough heat to admit plenty of fresh air.

The first food is stale bread squeezed out of milk. No sudden changes are ever made. The chicks get a chick food and two meals a day of a light and properly made johnny-cake, wet up with soda, sour milk and infertile eggs. The cake is composed of corn meal middlings and bran. After the chicks are a week old a little beef and bone meal and a little oilmeal, to which I am partial, is stirred in for growing chicks as well as laying stock and fowls during molt.

A large percentage of the chicks start in fine shape, and I am not satisfied unless the cockerels weigh about four pounds each when three months old. Strict attention to details is given at all times, as little things often lead to big results.—Mrs. Andrew Brooks.

Whitewash the Henhouse

Every poultry man should give the henhouse a periodical coat of limewash and the oftener he does it the better. The matter is a very simple one. If the house is small, all you may want is a limewash brush, and a bucket of water into which a few handfuls of quicklime have been put, well stirred together, and allowed to settle. The stuff when put on should be about as thick as cream. A handful of common rough salt will help it to adhere to the walls, a spoonful or two of liquid carbolic will help it to do its murderous work on animal life, and a little bit of powder-blue (washing blue) will prevent the white coat turning yellow by-and-by.

If the henhouse is a large one it will pay to use a sprayer for putting on the limewash. This is a most effective way of whitewashing any building.

POULTRY EXCHANGE

One Cent a Word Cash With Order.

FOR SALE—Andalusians, 1st, 2nd cockerels and pullets, Lindley, 1906; Buff Leghorns, females only; 5 Houdan cockerels, 1 Toulouse gander, \$4.00. Eggs \$1.50 per setting. W. R. KNIGHT, Bowmanville, Ont.

BARRED, Buff, White Rocks, White Wyandottes, Buff Orpingtons, Black Minorcas, White, Brown, Buff, Black Leghorns, Silver Spangled Hamburgs, Houdans. Settings \$1.00. R. LAURIE, Wainverton, Ont.

BARRED ROCK and Houdan Cockerels and Pullets. We have now on hand some very choice birds of the above varieties, at reasonable prices. Write us to-day. SMITH & BROWNE, Columbus, Ont.

POULTRY will yield a very large dividend on the small investment required, if you keep and feed your hens properly. The Canadian Poultry Review tells you exactly how to do it. Fifty cents a year, or send us One Dollar and the names of two yearly subscribers and we will send the Review to you for one year free. CANADIAN POULTRY REVIEW, Toronto, Ont.

BUFF ORPINGTONS—3 breeding pens this season, headed by imported and prize stock. Eggs \$1.00, \$2.00 and \$3.00 per setting. Incubator eggs \$3.00 per 100. Write at once for free catalogue describing them. J. W. CLARKE, Free Orpington Club, Importer and Breeder, Cainsville, Ont.

WINTER-LAYING White Wyandottes (Duston Strain). Choice stock for sale now. Eggs in season. W. D. MONKMAN, Bond Head, Ont.

BARRED ROCK COCKERELS, grand blocky birds at farmer's prices. M. C. HERNER, Mannheim, Ont.

WHITE WYANDOTTES—(farm bred) Martin and Massey strains. Eggs for sale, \$1.00 per setting. All birds vigorous and good layers. Correspondence solicited. W. H. STEVENSON, Box 304, Oshawa, Ont.

FOR SALE—Wyandottes, Buff (Bartlett's) White (Massey) Barred Rocks, White Booted Bantams, Eggs, Cockerels trios, Chatham Incubators and two Chatham Brooders. Write W. J. FRANCIS, Oshawa, Ont.

SINGLE COMB Brown Leghorns. Won every 1st at Napanee. Eggs \$1.00 per dozen. Write. ALBERT SNIDER, Napanee, Ont.

EGGS for setting from choice White Wyandottes (Hawkins strain), \$1.50 for 15 eggs. Stock for sale. EMERSON TUFTS, Box 718, Welland, Ont.

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\$12.50 For 200 Eggs INCUBATOR

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Cash or time.
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and Diseases For 1906 contains 226 pages, with many fine colored plates of fertile hens in life. It tells all about chickens, their care, disease and remedies. All about brooding and how to build them. It's really an encyclopedia of information. You need it. Price only 10c.

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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 poultry. Any information as to importations made, the sale and purchase of stock and the condition of herds and flocks that is not in the nature of an advertisement will be welcomed. Our desire is to make this the medium for conveying information as to the transfer of pure-bred animals and the condition of live stock throughout the country. The co-operation of all breeders is earnestly solicited in making this department as useful and as interesting as possible. The Editor reserves the right to eliminate any matter that he may consider better suited to our advertising columns.

The Farming World Man on the Wing

The farms of Messrs. W. G. Pettit & Sons are located a little over a mile from the village of Freeman, and the G.T.R. station of Burlington Jct., and a visit to them is a treat to the Short-horn breeder of a nature of which Canada has to offer only a few. Mr. Pettit is a thorough cattle man, and the kind which he keeps, and the way in which they are kept could well be taken as a working example of how the thing ought to be done. At the head of a herd of over eighty females, choice both as to quality and breeding, many of them already dams of well known good ones, are the two herd bulls, Prime Favorite and Scottish Pride. Prime Favorite is a grand, massive, but smooth and sweet roan now rising four years of age, bred by the famous Scotch breeder, W. S. Marr, and from the best blood in one of his most popular families, the Princess Royals. He himself is from the great Dean Willis bull, Capton Favorite, a bull which was in use in his herd at the time of his death, and is now the head of the other great Shorthorn herd of W. Duthie, of Collynie. The dam of Prime Favorite shows equally good breeding, being sired by the Cruickshank Silvery bull Sea King, g.d. by the great Athabasca, two bulls used at Uppermill as heads of the herds. He is himself proving a great sire, as the young stock at the farm of Mr. W. G. Pettit testify. Scottish Pride, red and white, now six years of age, is a scion of the great Roan Lady tribe, so popular in the herd of Mr. Marr. He is sired by Scottish Prince, bred by Mr. Duthie, and is of the great Princess Royal family. That he is a bull of great prepotency and impressiveness is evidenced in the most striking manner by the kind of young stock bred from him on the farm, it being almost wonderful to see the smooth, even, well covered backs, stylish appearance, and deep bodied roundness of his gets. In fact the young bulls to be seen on the farm offer an unexcelled opportunity for selecting something that would be a credit at the head of any herd, and the percentage of ones good enough is a remarkably large one. Proud Favorite—60069—is a fine roan now one year old, of nice smoothness and style, good quality, sired by Prime Favorite, and belonging to the Lustre family, his dam being Lustre 43rd, the dam of Royal Coronet, the bull which topped the deplensing sale a year ago at \$425. Pride's Ideal, sired by the Roan Lady herd bull Scottish Pride, is a splendid specimen of Shorthorn breeding, a beautiful silvery roan in color and beautifully coated with long mossy hair, covering a skin and flesh of superlative handling quality. He is thick, smooth, low set, massive, at the same time stylish and active; and with all a topper of his age and kind. His dam is imp. Silver Rose, sired by Clifton, a Cruickshank Slipper, also a sire of the right kind, one of whose gets

recently changed hands in Ontario for \$1,000. Clementina's Prince is a very nice thick, smooth bodied calf about 10 months of age, red and white in color, sired by Scottish Prince and of splendid Clementina breeding on his dam's side, she being by a good Rosemary son of Crabstone, g.d. by Fortunatis, and running further through such breeding as Gravesend, Vermont, Golden Victor, Sir Christopher, Diphthong 3rd, and Lord Ythan. A very smooth calf with promise in him of being heard from is Royal Emblem, a 10 months roan sired by Scottish Pride, dam the grand cow Mayflower imp. of Lady Dorothy breeding. He is a close relative of Royal Champion, who was recently sold in the Argentine for close to \$40,000. Broadhooks Champion is a roan four months of age, sire Prime Favorite, dam imp. Broadhooks Beauty. Waterloo Lad, red also, about four months of age, is sired by Scottish Pride, dam Waterloo Princess, a strain which has been bred for eleven generations in the one herd and four more preceding that in another. He is a nice thick calf with lots of energy and looks like a doer. Among the most striking things among the youngsters is a young roan by Scottish Pride, dam imp. Lady Anne 14th, a prize and reserve championship winner in Scotland. Even at the age of about five weeks this youngster shows a flashiness and style most unusual, and he looks every inch the kind that stand at the head of the showings.

Warranted to Give Satisfaction.

Gombault's Caustic Balsam



Has Imitators But No Competitors.

A Safe, Speedy and Positive Cure for Cuts, Splint, Sweeney, Capped Hock, Strained Tendons, Founder, Wind Puffs, and all lamenesses from Sprains, Kingbone and other heavy swellings. Cures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a Hoarse Remedy for Rheumatism, Sprains, Sore Throat, etc. it is invaluable. Every bottle of Caustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. If need for descriptive circulars, testimonials, etc. Address
The Lawrence-Williams Co., Toronto, Ont.



ABSORBINE

Removes the Inflammation and Swellings. Restores the Circulation in any Bruise or Thickened Tissue, without blistering, removing the hair or laying horse up. Pleasant to use, clean and odorless. \$2.00 per bottle delivered. BOTTLES 12-25 FREE.

ABSORBINE, JR., for man and horse, \$1.00 Bottle. Cures Bunions, Corns, Chills, Sprains, Etc., quickly. Genuine mfd. only by

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BARREN COW CURE makes any animal under 10 years old breed. **ABORTION COW CURE** prevents any animal aborting. Both given in feed, and your money will be refunded if they fail. Particulars from L. F. SELLECK, Morrisburg, Ont.

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A large herd of choice Pigs of all ages on hand, quality guaranteed. No other herd has such a record in the show ring, covering several years. Oak Lodge type of hogs are profitable breeders and ideal bacon hogs. Correspondence solicited.

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CHAMPION BERKSHIRE HERD OF CANADA. Winner of Championship at leading shows for several years. Splendid importations of new blood the championship winners of England. Young pigs, imported and home-bred for sale. Pens at Islington, near Toronto. W. H. DURHAM, Box 1052, Toronto

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MEAN

EARLY VEAL AND TOP PRICES

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RESULTS "I have used Molassine Meal for my young calves, and have never had a case of scour since."

"I have used Molassine Meal in the usual way for my calves, and found that I had nothing to fear from hoose, husk or scour."

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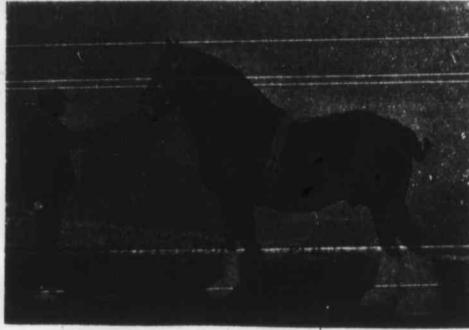
J. H. MAIDEN, DEPT. J, MONTREAL

Among the females such an individual as Gloster Girl must call for notice among the first. Now five years of age, and bred by G. Harding & Son, and of five generations of Canadian breeding, sired by Knuckle-duster imp., she was a winner of first, second and third prizes repeatedly at leading American shows, including the International. Tracing to 12th Duchess of Gloster imp., by Champion of England, and bred through a splendid succession of Canada's best sires, she comes honestly by her showing form and character. Orange Blossom imp. is a fine seven-year-old cow sired by Remus, also the sire of the great Choice Goods, and traces on her dam's side to Roan Lady, one of the favorites in the herd of the late W. S. Marr. One of her progeny is Rosetta 12th imp., sired by the Emma bull King Victor. Rosetta 10th (imp.) is a fine six-year-old roan, sired by Scottish Prince, and with such top crosses as Alan Gwynne and Portland of Cluny to a fine Roan Lady pedigree. A splendid roan yearling heifer of the showing kind is her calf by Prime Favorite, while a four months full sister promises even better things. Tilbourne's Jilt 2nd (imp.) and all her name implies in breeding, is sired by Scottish Prince, and her yearling heifer calf by Prime Favorite is a dark roan, very typical, thick, low-set and stylish and a promising proposition for the senior yearling class next fall. Martha 3rd (imp.) is a large matronly red cow now rising nine years of age, of Miss Ramsden strain, sired by Royal Mail, and she is a cow which has proved a splendid acquisition to the herd, as her progeny in several generations are proving. Her daughter to Pure Gold (imp.), a fine Bra-wath Bud, is Martha 5th, and to Scotland's Pride, Martha 6th, whose progeny are both now coming forward. Broadhooks Beauty is a fine representative of another great family, and proving a good breeder. Her yearling calf by Prime Favorite is a very sweet one and a superlatively fine handler. Merry Maid 10th and Maud 14th are fine representatives of two other lines of choice breeding, and each of them have a fine yearling and calf at foot to, respectively, Prime Favorite and Scottish Pride.

The foregoing will show with what success Mr. Pettit's efforts to combine in his herd the best of breeding in individuals of superior type has been crowned, and there is no more enthusiastic admirer of the best than the owner of this herd. His recent re-election to the position of president of the Dominion Shorthorn Association was the deserved reward of an association alive to its interests, and fully aware of the value of his efforts, particularly in the matter which is at present time engaging his attention, that of opening a market for Canadian purebred cattle in the Argentine. There is every probability that in the near future one of the junior members of the firm will leave for that country in pursuance of that enterprise.

Messrs. John Boag & Son, of Ravenshoe, Ont., whose advertisement

THE REPOSITORY
CORNER SIMCOE AND NELSON STS., TORONTO
BURNS & SHEPPARD, PROPRIETORS



GREAT SPECIAL AUCTION SALE IMPORTED REGISTERED
SHIRE STALLIONS, MARES AND FILLIES

WEDNESDAY, MARCH 28, 1906
AT ONE P.M. SHARP

By instructions from MESSRS. MORRIS & WELLINGTON, Proprietors
FONTHILL STOCK FARM, FONTHILL, ONT.

We will sell on the above date a special importation of Shire Stallions, Mares and Fillies, selected with great care by a competent judge, with a view to meeting the requirements of the Canadian market. Included in the shipment are some extra choice registered Canadian bred animals.

Catalogues containing full descriptions and pedigrees may be had on application to BURNS & SHEPPARD, Toronto.

C. A. BURNS, General Manager and Auctioneer.

Twelfth Canadian
HORSE SHOW

TORONTO ARMOURIES FOUR DAYS

Wednesday, Thursday, Friday and Saturday,
April 25th, 26th, 27th, and 28th.

\$8000 IN PRIZES **\$8000**

ENTRIES CLOSE Wednesday, April 11th, and should be addressed to the Secretary, Henry Wade, Parliament Buildings, Toronto, from whom prize lists can be obtained.

REDUCED RAILWAY RATES. SINGLE FARE FOR PUBLIC AND HALF-RATE FOR HORSES.

George W. Beardmore, M.F.H., Henry Wade, Stewart Houston,
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The Carnefac Stock Food Co'y. - - Toronto, Ont.

Please mention The Farming World when writing Advertisers.

appears in this issue, have a few choice snaps in genuine all round Clydesdale breeding stock for sale that should interest anyone wanting something of the right kind in either stallion or fillies. At the late Spring Stallion Show the exhibits of this firm took a prominent place, and the kind of drafters which he had out then attracted considerable attention. Conspicuous among these was the big, drafty black, Lord Durham, sired by Lord Faunterley and with five recorded dams. He was shown as a foal, twice as a yearling and once as a two-year-old in Scotland, and was never beaten, winning among other prizes silver medal at Hamilton as best Clydesdale on the ground. At the late Toronto show he was among the popular ones with the ringside, his wealth of bone and massiveness, together with choice quality, attracting the attention of the lovers of a good size in a draft stallion. Lord Hamilton is another thick, heavy black by the same sire. Emulator, sired by the popular horse Hillhead Chief, is a fine bay with white markings now rising three years of age, and is a big boned heavy stallion which gives every promise of leaving his impress wherever he goes. Forland Chief and Baron Blacon are younger horses, strong, clean and broad of bone and right at the ground. Mr. Boag has a few snaps to offer to prospective purchasers in these, and a few fillies.

Mr. John Bright, of Myrtle, Ont., offers in this issue of THE FARMING WORLD a few imported and home-bred fillies. Among them are a few which were purchased at Mr. Platt's last sale of fillies at Hamilton. This was by far the premier shipment of the year, and they have done splendidly since they make a very select company to select from. The filly, Miss French, by the celebrated stallion Aeme, gives every promise of turning out a big, heavy and handsome draft brood mare. Her mate Rosalie, by Boghill Mac, he by McGregor, makes with her a splendid and well matched team. Diana, flashy and grand at the ground, gives promise of something good in the showing line. She is a get of the Sir Everard stallion Argosy. Royal Nannie, sired by the Lord Lothian stallion Royal Champion, is a nice bay with pleasing white markings, is an extra fine mover and a good one all over. Columbus Jess and Imperial Nell are a grand pair of Canadian-breds of the right kind and showing a long array of recorded crosses. Anyone looking for a matched pair or something good in a single draft mare can find what they want at the farm of Mr. Bright.

If You Have Lost Your Colts

Last year, why should you do so again? It can be prevented by using

WILHELM'S BROOD MARE SPECIFIC

It will guarantee a good, strong, healthy foal, will prevent big knees and running naval. Don't wait till your mare has foaled—treat her now. Price \$1.50; special rates for three or more.

Impotent and indifferent sires successfully treated. Why have a stallion that will only leave 25 or 40% if you may have 60 or 75%? For terms apply

J. WILHELM, V. S.

Specialist on Generation
Lock Box 175 SHAKESPEARE, Ont.

Clydesdales for Canada

Mr. William Colquhoun, Mitchell, Ont., is one of the veteran patrons of the Clydesdale in Canada. He makes periodical visits to this country, but this year, for the first time, he has had to forego the visit, which has just been paid by his son. He sailed by the Athena on Saturday last with three stallions bought from Messrs. A. & W. Montgomery, Netherhall and Banks, Kirkcudbright; one bought from Mr. Wm. Gentle, Airdrie, Anstruther; two bought from Messrs. Scott, Cowford, Stanley; and a four-year-old mare bought from Messrs.

Meiklem, Begg, Kirkcaldy. Mr. Gentle's horse was got by the £3,000 horse Prince of Albion (6178), which stood first four years in succession at the H. and A. S. Shows. The Montgomery purchases were by the superior breeding horse Up-to-Time (10475), Royal Stewart (8968), and the noted Mains of Airies (10379). The mares were got by the Dunblane, Doune, and Callander premium horse Sylander (10933), whose sire and dam were both outstanding winners; and Alick's Pride (10669), a well-bred son of Prince Alexander (8899). May all good luck attend Mr. Colquhoun, who deserves to succeed—Scottish Farmer.

WAVERLY FARM

Hackneys have stood the champions of America's leading shows. We were never in a better position to supply our customers with the right goods than at the present time.

Come and see what we have to offer.

R. BEITH, Bowmanville, Ont.

W. C. Kidd's Stallion Repository

LISTOWEL, ONT.

Percheron, Belgian, Clydesdale and Standard-Bred Stallions. Prize Winner at leading Continental and American Shows. A number of genuine toppers to choose from. Sales made to companies, or private. Terms and prices right.



CLYDESDALES

Those desiring something in high quality Clydesdale Stallions will find a splendid choice in our stables. Sons of Scotland's best sires of the kind that Canada wants. Write or call on

MESSRS. LAVIN & RICHARDSON
Harriston P.O. and Station C.P.R. and G.T.R., Ont.

Clydesdales and Hackneys

Dalgety Bros., Dundee, Scotland, and London, Ont., have on hand just now at their stables, London, Ont., a choice selection of above, including several prize-winners in this country and Scotland. All combining size and quality.

Come and See Them.

JAMES DALGETY, Glencoe, Ont.



If you are looking for SOMETHING GOOD in a

Draught Stallion

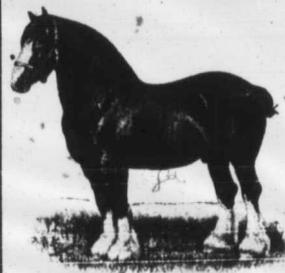
With weight, quality, action, soundness, and guaranteed breeding qualities, come to my Barn at

HENSALL, - - ONT.,

and see what I have to offer. Prices right, terms right, horses right, the right place. **The Home of the Draught Stud.** Correspondence solicited.

T. J. BERRY,

Hensall P.O. and Station, G.T.R.



A Record Clydesdale Sale

One of the best sales of Canadian-bred and Canadian-owned Clydesdales ever held in the Dominion took place at Thorncliffe Stock Farm, the property of Mr. Robt. Davies, on Feb. 28th. Mr. C. A. Burns wielded the hammer. Much credit is due Mr. Geo. Davies, manager, for his work in compiling the catalogue. While the prices realized did not, perhaps, represent the time and trouble expended in securing the stock sold yet they were excellent in every respect. Among the notable purchases were those made through the Hon. Mr. Monteith for the Ontario Agricultural College. The purchase of the champion mare, Her Pretty Sel', is worthy of special mention. She is undoubtedly one of the best mares of the breed in Canada and the College is to be congratulated upon securing a mare of such quality and breeding. She is a noted prize winner, having a record in the showing at Toronto, Chicago, and other big shows. She sold for \$1,525. Two others were bought by Mr. Monteith for the College, which will now be in good shape to make an excellent start in Clydesdale breeding. Another notable sale was Lady Superior. She is an outstanding show winner, having to her record the championship of all ages at Chicago in 1902, the gold cup of 1903 at the same show, and first prize as brood mare at Toronto, 1905. She sold to Miss S. K. Wilks, of Galt, for \$1,575. Perhaps the most sensational event of the sale was the purchase of the stallion Right Forward (imp.) by Mr. Thos. Graham, of Graham Bros., Claremont, for \$2,400. He is a horse of outstanding merit, both in breeding and quality, and is said to be the best expensive draft horse ever imported into Canada. The advent of Sir into the great Milwaukee brewer, into the Clydesdale arena is noteworthy. The sale of Clydesdales totalled \$19,740, an average of \$364 each. The following is a list of the sales:

CLYDESDALES

Thorncliffe Lady, b.f., 2 years, by imp. Lyon Macgregor, D. Bennett, Russelton, \$400.

Thorncliffe Belle, br.f., 2 years, by imp. Lyon Macgregor, R. B. Ogilvy, Chicago, \$390.

Thorncliffe Sally, b.f., 2 years, by imp. Lyon Macgregor, McLay Bros., Janesville, Wis., \$400.

Thorncliffe Queen, br.f., 2 years, by imp. Lyon Macgregor, McLay Bros., Janesville, Wis., \$400.

Lady Dunbroon, b.m., 3 years, by imp. Lyon Macgregor, E. Edwards, Quebec, \$425.

Lady McKaskell, b.m., 3 years, by imp. Lyon Macgregor, J. D. Traynor, Regina, \$455.

Ellen Macgregor, b.m., 3 years, by imp. Lyon Macgregor, R. P. Smith, Kennedy, Sask., \$300.

Princess Eva, b.m., 3 years, by imp. Lyon Macgregor, Thos. Graham, Claremont, \$460.

Jean IV., imp., blk.m., by Woodend Gartly, E. Edwards, Quebec, \$400.

Lovelight, b.m., 3 years, by King of the Roses, J. D. Traynor, Regina, \$500.

Truth, b.m., 7 years, by imp. Border Rover, J. D. Traynor, Regina, \$260.

Belrose, b.m., 3 years, by imp. Lyon Macgregor, Graham & Renfrew, Bedford Park, \$685.

Princess Maud, b.m., a., by imp. Prince of Quality, J. W. Smith, Kennedy, Sask., \$300.

Lady Superior, br.m., a., by imp. Cedric, Miss Wilks, Galt, \$1,575.

Princess Maud, br.m., a., by Prince of Quality, Ontario Agricultural College, \$325.

Miss Chamberlain, imp., blk.m., 4 years, by Woodend Gartly, J. D. Traynor, Regina, \$510.

Startling, br.m., 5 years, by Lyon Macgregor, Trotter & Trotter, Brandon, Man., \$460.

Right Forward, imp., b.s., by Prince Thomas, Thos. Graham, Claremont, \$2,400.

Lady Tarbreock Cedric, b.m., 1, by imp. Cedric, Trotter & Trotter, Brandon, Man., \$775.

Queen Esther, b.m., a., by imp. Prince of Quality, Ontario Agricultural College, \$550.

Princess Royal, br.m., 6 years, by Prince of the Glen, Trotter & Trotter, Brandon, Man., \$725.

Princess Beatrice, b.m., a., by Prince of Quality, B. Rothwell, Ottawa, \$400.

Thorncliffe Beltroon, b.f., 1, by Right Forward, J. M. Gardhouse, Weston, \$200.

Princess Sally, b.m., a., by Prince

CLYDESDALES — HACKNEYS.

I have a large consignment of stallions and a few fillies. Good ones of the right kind at right prices. Come and see what I have to offer.

G. SORBY, Guelph, Ont.

CLYDESDALES — Winners at Toronto, London and other leading shows. Some choice young fillies. Pair young stallions, sired by Pearl Oyster and Prince Romeo, for sale. **Jas. Henderson, Belton, Ont.**

Farmers' Sons Wanted with knowledge of farm stock and fair education to work in an office, \$600 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each province. Apply at once, giving full particulars. *The Veterinary Medicine Ass'n, Dept. 50, London, Can.*

CLYDESDALES

Stallions and Fillies by Scotland's leading sires. Terms right and a square deal. Call or write.

JOHN BOAG & SONS, Ravenshoe, Ont.



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High Class Clydesdale Horses

We have just landed a choice and carefully selected lot of grand, big horses, of the splendid quality which Scotland's best blood alone can impart. Come and see them at their stables at

COLUMBUS, ONT.

Oshawa Station, G.T.R. Myrtle, C.P.R.

Clydesdales - Hackneys

I have just landed a splendid shipment of Clydesdale Stallions and Fillies, and several very fine, flashy and good going Hackney Stallions. The Clydesdales include horses sired by Baron's Pride, Hiawatha, and Marcellus. Parties desiring something choice can find it at right prices at my barns at Millbrook, Ont., or at Regina, N.W.T.

T. H. HASSARD, V.S., Proprietor,

MILLBROOK, ONT.

J. C. FYFE, V.S., Manager,

REGINA, N.W.T.

CLYDESDALES AND CHEVAL NORMANS

New importations, all ages, some ton weights. **The Best of Quality and at Low Prices.** Must sell. Write for breeding and prices.

A few French Canadians.

ROBERT NESS & SON,

"WOODSIDE," HOWICK, QUEBEC.

Long Distance Phone.

HOMESTEAD ANGUS CATTLE

Farmers who want good Angus bulls to sire best quality steers can buy them here at inducing prices. We have them from calves to two-year-olds. Write.

WILLIAM ISOCHE, Sebringville, Ont.

Shire and Clydesdale Horses, Shorthorn Cattle

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

Phone

J. M. GARDHOUSE, Weston, Ont.

of Quality, J. D. Traynor, Regina, \$255.

Beltroon, b.m., 4 years, by Lyon Macgregor, Graham & Renfrew, \$475.
Queen Bell, b.m., a., by imp. Queen's Own, J. D. Traynor, Regina, \$385.

Nelly Lynedoch, b.m., 5 years, by imp. King's Own, Trotter & Trotter, Brandon, \$975.

Princess Belle, b.m., a., by Prince of Quality, Trotter & Trotter, Brandon, \$700.

Honest Mac, b.c., 3, by Lyon Macgregor, T. Mercer, Markdale, \$310.

Her Pretty Sel', b.m., by imp. Cedric, Ontario Agricultural College, \$1,525.

W. G. PETTIT & SONS FREEMAN, ONT.

Scotch Shorthorns

Present offering—20 young bulls, 10 imported cows, with heifer calves at foot, and again bred to imp. Prime Favorite and imp. Scottish Pride. Also 20 head of one and two-year old heifers. Drop us a line and receive our new catalogue, just issued. Burlington Jct. sta. G.T.R. Long distance telephone at residence.

Maitland Bank STOCK FARM

Chicely bred Shorthorns. A fine crop of young stock bred on choicest lines to choose from. Can supply a number of fine young bulls at square prices.

D. MILNE & SON, Ethel P.O. and Sta. G.T.R.

CHAS. RANKIN, Wyebridge, Ont., importer Cattle and Oxford Down Sheep. Herd headed by Fride of Scotland (imp.). For Sale—Females and bulls of all ages, from noted Scotch families.

HOLLYMOUNT STOCK FARM MITCHELL, - ONT.

Pure-bred Shorthorns of best imported strains. Present offering—A grand 12mos. bull calf from imported sire and dam.

Address:

W. J. THOMPSON, Mitchell, Ont.

MAPLE CLIFF DAIRY AND STOCK FARM

Breeders of CLYDESDALE HORSES, BERKSHIRE AND TAMWORTH PIGS.

FOR SALE, TEN TAMWORTH SOWS—Bred to farrow in May.

R. REID & CO., Hintonburg, Ont.

JOHN GARDHOUSE & SONS, Highfield, Ont.

Breeders of Scotch and Scotch-topped Shorthorns, Shire Horses, Lincols and Leicester Sheep. A good selection of young stock of both sexes for sale. Farms 3 1/2 miles from Weston Station, G.T.R. and C.P.R., and electric cars from Toronto.

DAVID McCRAE, Jansfield, Guelph, Canada, Importer and Breeder of Galloway Cattle, Clydesdale Horses and Cotswold Sheep. Choice animals for sale.

No More Blind Horses For Specific Ophthalmia, Moon Blindness and other Sore Eyes, Barry Co., Iowa City, Ia., have a sure cure.



The "STAY THERE"

Aluminum Ear Markers are the best. Being made of aluminum they are lighter, brighter, stronger and more durable than any other. Fit any part of the ear. Nothing to catch on feed trough or other obstacle. Your name, address and any series of numbers on each tag. Sample tag, catalogue and prices mailed free. Ask for them. Address
WILCOX & HARVEY MFG. CO.,
211 Lake St.,
Chicago, Ill.

WOODROFFE FARM AYRSHIRES.

FOR SALE—Four yearling bulls of choice breeding; a number of bull calves, two spring and four autumn calves. Parties wishing females may have a splendid choice. I have twelve yearlings bred to freshen next August and September.

Breeders invited to look over the stock or write for particulars.
J. G. CLARK, Woodroffe Farm, Ottawa, Ont.

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THE HOME OF

The Matchless MacQueen

and more of America's CHAMPIONS than all others combined.

Clydesdales



Hackneys

We have now on hand a splendid selection of grand, big, GOOD ONES AT PRICES THAT ARE AS HARD TO BEAT AS THE HORSES. Visitors welcomed.

GRAHAM BROS. CLAREMONT, ONT., P.O. and Sta., C.P.R.

25 Miles East of Toronto. Long Distance Telephone.

GREENWOOD SHORTHORNS



D. BIRRELL, Greenwood, Ont., offers for sale at bargain prices grandly bred young Shorthorn stock tracing to grand imported cows, every top-cross a carefully selected imported bull. A large selection to choose from.

Hickory Hill Ayrshire Herd

Winners of First in Milk Test Five Years in succession at Provincial Dairy Shows as well as Show Ring Honors. Bred for standard of utility. Choice young bulls and a few females for sale.

N. DYMENT, Clappison, Ont.

Springhurst Shorthorns.

Present Offering—7 Young Bulls and 20 Young Females.

All from grandly bred dams of individual merit, and such sires as Gold Drop, Royal Prince, Rosy Morning and Abbotsford.

Good value for your money and a square deal.

H. SMITH,

Exeter P.O. and Sta., G.T.R.

Long distance 'phone at residence.

ONTARIO VETERINARY COLLEGE, Ltd.
Most successful Vet. Institution in America.
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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

Breeders of High Class Scotch Shorthorns, Choice Shropshire Sheep, Clydesdale and Hackney Horses.

C. W. WILSON, W. C. EDWARDS & CO., Limited
Superintendent, Proprietors.
Rockland, Ont., Canada.

John Bright, MYRTLE, - ONT.

Choice Breeding Stock in

Shropshire and Cotswold Sheep.

Shorthorn Cattle and Clydesdale Horses

Some fine flock headers in Sheep. Choice young breeding stock in Shorthorns, and some fine imported and home-bred Fillies.

Myrtle Station G.T.R. and C.P.R.

Long Distance Telephone.

MAPLE SHADE FARM

Cruickshank Shorthorns and Shropshire Sheep

We have now for sale a number of choice young bulls fit for service. They combine size, birth, quality, flesh and bone, and should be useful for producing the best type of steers or mating with the best Shorthorn females.

A square deal and a reasonable price.

JNO. DRYDEN & SON,
Brooklin, Ont.

Stations: Myrtle, C.P.R.
Brooklin, G.T.R.

Ashland Stock Farm

Pure Scotch-Topped Shorthorns. Cows bred from imported stock of grand Scotch breeding. Young stock of both sexes for sale.

J. MARSHALL, Jackson, P.O., Ont.
Tara Station, G.T.R.

BREEDERS' DIRECTORY

CARDS under this head inserted at the rate of \$2.00 per line, per year. No card accepted under two lines, nor for less than six months.

HORSES

Thorncliffe Hero, b.c., 2 years, by Lyon Macgregor, R. P. Smith, Kennedy, Sask., \$425.

Prince Cedric, b.c., 1, by Right Forward, Dr. Schlitz, Milwaukee, Wis., \$570.

Prince Expectant, b.c., 1, by Right Forward, John Innes, Woodstock, Ont., \$320.

Donald Macgregor, b.c., 2 years, by Lyon Macgregor, J. D. O'Neil, London, Ont., \$175.

Bay gelding, 2 years, by Lyon Macgregor, N. F. Wilson, Rockwood, \$160. Total, \$19,740. Average for 35 head, \$564.

THOROUGHBREDS

Corona, b.m., 4, by Kapanga Colt, J. D. Graham, city, \$300.

Fire Fairy, ch.f., 4, by Kapanga Colt—imp. Fair Flora, F. K. Hodson, city, \$100.

Scotch Cap, ch.f., 4, by Kapanga Colt—Thistle, R. J. Anderson, city, \$285.

Lady Dundee, b.m., 5, by Kapanga Colt, J. D. Traynor, Regina, \$210.

Sport, b.g., 5, by Kapanga Colt, Jas. Lec, Scarborough, \$165.

Judges at the Horse Show

The judges selected for the Canadian Horse Show, to be held at the Armouries, Toronto, April 25-28, are as follows: Thoroughbreds, Dr. Rutherford, Ottawa; trotters and pacers, Dr. Sinclair, Cannington; Robert Graham, Toronto; hackneys, Alex. Galbraith, Janesville, Wis.; heavy draught horses, Alex. Galbraith; harness horses, Richard F. Carman, New York; saddle horses and hunters, Alfred B. Maclay, W. A. McGibbon, New York; and polo ponies, Seward Cary, Buffalo, N.Y.

It is expected that H.R.H. Prince Arthur of Connaught will open the show.

Big Shire Sale

Do not forget the big sale of Shire horses to be held at The Repository, Toronto, March 28th. Messrs. Stone & Wellington are among the leading breeders of Shire horses in America. They are offering some real good ones. Write for catalogue and get full particulars.

Prince Edward Island

CHARLOTTETOWN MARKETS

Meat, qr., per lb., 5 to 6 c; meat, small, per lb., 5 to 12c; cattle, dressed, per lb., 6 to 7c; butter (fresh), per lb., 24 to 25c; eggs, per doz., 15 to 16c; flour, per cwt., \$2.00; oatmeal, per lb., 3½c; hay, per cwt., 35 to 40c; straw, per cwt., 25c; oats, per bu., 38 to 40c; pork, per carcass, per lb., 7¼ to 8½c.

The annual meeting of the Stanley Bridge cheese factory was held on Feb. 13. The year's business was considered very satisfactory, the patrons having received 80c per cwt. for cheese, and 85c per cwt. for butter.

The annual meeting of the East River Dairying Co. was held on Feb. 5. The prices paid during the past season were, for cheese, 68c per cwt, and for butter 75c per cwt.

The cheese factory at Alberton was opened on the 5th of June and closed Oct. 26. There were 835,729 lbs. of milk supplied by 115 patrons. There was manufactured from this 82,762 lbs. of cheese which sold for \$8,855.52. The expenses, \$2,069.75, were divided among the patrons.

Mr. F. Andrew, of New Glasgow, has purchased the celebrated stallion "Gold Finder" for \$1,070 from Mr. H. Crockett, Cape Traverse. This stallion is considered second to none in Canada.

A. R.

CATTLE

W. J. THOMPSON, Mitchell, Ont.
See large ad.

JOHN DRYDEN & SON, Brooklin, Ont.
See large ad.

W. G. PETTIT & SONS, Freeman, Ont.
See large ad.

JOHN GARDHOUSE & SONS, Highfield, Ont.
See large ad.

H. SMITH, Exeter, Ont.
See large ad.

GEO. B. ARMSTRONG, Teeswater, Ont.—One imported and two home-bred Shorthorn bulls for sale.

W. H. FORD, Dutton, Ont. Shorthorn cattle, Scotch and Scotch-topped. Good individuals. Prices right.

BROWN BROS., Lyn P.O., Ont. A number of young Holstein stock of both sexes for sale, from prize-winning and advanced registry parents.

D. BIRRELL, Greenwood, Ont.
See large ad.

E. WICKS & SON, Bedford Park, Ont. A. J. C. C. Jersey cattle, young bulls fit for service. Heifers and cows for sale.

W. SUHRING, Sebringville, G. T. R. Ont. Holsteins of best milking strains. A number of young breeding stock to select from.

MACDONALD COLLEGE, Ste. Anne de Bellevue, Que.—Ayrshires—The famous Reford Herd at Ste. Anne de Bellevue, Que., now owned by Sir William C. Macdonald. Several yearling bulls for sale; also a number of bull calves. Quality and appearance extra good; bred from the best milking strains, noted for robust constitution and large teats. Write for particulars.

AMOS SMITH, Trowbridge P.O., Ont. Short-horn Cattle—pure Scotch breeding from popular and prize-winning strains.

W. HAY, Tara, Ont., Clydesdale Horses, Shorthorn Cattle, best Scotch strains. Present offering, some choice young bulls, also a number of females.

W. F. STEPHEN—Box 163, Huntington, Que. Springbrook Ayrshires—for sale—some young stock, both sexes.

J. A. GOVERNOR, Forest, Ont. Herefords, a young stock from carefully selected imported and homebred cows, prize-winners at leading shows.

H. K. FAIRBAIRN, Thedford, Ont. Short-horns, some of the very finest of the breed. For sale, six heifers and two red bull calves.

R. J. PENNELL, Naber, Ont. Hereford Cattle. Young bulls for sale.

OHLYVIE'S Ayrshires—Lachne, Que.—Calves for sale, both sexes, also a few splendid cows. Robt. Hunter, Manager. Phone M 2228.

MISCELLANEOUS

D. GUNN & SON, Clydesdale Horses, Short-horn Cattle, Yorkshire Swine, Beaverton, Ont.

JAMES DOUGLAS, Caledonia, Ont. Short-horn Cattle, Leicester Sheep. Stock for sale.

ROBT. NICHOL, Brussels, Ont., P.O. and sta. G.T.R. A few good Shorthorns, also a limited supply of choice Yorkshire breeding stock.

T. GIBSON, Denfield, Ont., sta. G.T.R. Imported and home-bred Scotch Shorthorns. Choice breeding stock in Lincoln Sheep.

JOHN McFARLANE and W. A. Galbraith, Dutton, Ont. For sale—Shorthorns (imported and homebred), both sexes; also ten dark red bulls, from five months to one year, and Oxford Down sheep.

CHAS. CALDER, Brooklin, Ont. Shorthorns, Shrophires. Good selection in young bulls.

GEO. A. BRODIE, Bethesda, Ont. Shorthorn cattle, Shrophire sheep, Clydesdale fillies, a few good imported and homebred ones at right prices.

A. ELLIOTT, Pond Mills. Oxford Sheep, Collie Dogs and Narragansett Turkeys. London Station, Ont.

S. J. PEARSON & SONS, Meadowvale, Ont. Shorthorn cattle and Berkshire swine.

SMITH & RICHARDSON, Columbus, Ont.
See large ad.

H. HASSARD, Millbrook, Ont.
See large ad.

B. HOGATE, Weston, Ont.
See large ad.

O. SORBY, Guelph, Ont.
See large ad.

M. GARDHOUSE, Weston, Ont.
See large ad.

THOS. MERCER, Markdale, Ont.
See large ad.

GEO. G. STEWART, Howick, Que.
See large ad.

J. BERRY, Hensall, Ont.
See large ad.

JENNIS & PROUSE, Woodstock, Ont.
See large ad.

R. NESS, Howick, Que.

GRAHAM BROS., Claremont, Ont.
See large ad.

JOHN BRIGHT, Myrtle, Ont.
See large ad.

D. R. J. WATSON, Howick, Que.
See large ad.

W. H. PUGH, Claremont, Ont. Imported and Canadian-bred Clydesdales and Hackneys.

W. COLQUHOUN, Mitchell, Ont., P.O. and sta., G.T.R., importer of Clydesdale and Hackney Horses.

DAVIS & GRAHAM, Schomberg, Ont. Clydesdales, imported and Canadian-bred. A few good bargains on hand.

W. J. WELLS, Temperanceville, Ont., mill^o from Bond Lake, Toronto and Metropolitan Railway. Some grand offerings in Canadian-bred Clydesdales, gets of Young McQueen and Laird of Argo.

FRANK RUSSELL, Cedarville P.O., Ont. Two imported Clydesdale stallions for sale, five and seven years old.

HODGKINSON & TISDALE, Beaverton, Ont.—Clydesdales—Stallions and fillies for sale.

RICHARD GIBSON, Delaware, Ont.—Short-horn cattle and Clyde horses, Yorkshires. We guarantee satisfaction to all mail orders.

SHEEP

JOHN GARDHOUSE & SONS, Highfield, Ont.
See large ad.

J. M. GARDHOUSE, Weston, Ont.
See large ad.

W. G. EDWARDS & CO., Rockland, Ont.
See large ad.

JOHN DRYDEN & SON, Brooklin, Ont.
See large ad.

GEO. B. ARMSTRONG, Bowhill Stock Farm, Teeswater, Ont.—Choice Leicester sheep. Prize winners.

PETER ARKELL & SONS, Teeswater P.O. and sta., C.P.R.; Mildmay, G.T.R. Oxford Down Sheep, showing and breeding stock, imported and home-bred.

THOS. ARKELL, Teeswater, Ont., sta. C.P.R.; Mildmay, G.T.R. Choice breeding stock, Oxford Down Sheep.

GEO. SNELL, Yeoville, Ont.—Shorthorns, Newton Prince and Lady May (imp.) 3 young bulls for sale. All imported stock.

SWINE

J. E. BRETHER, Burford, Ont.
See large ad.

W. H. DURHAM, Toronto.
See large ad.

H. M. STOCKTON, Redgrave P.O., Harriston sta., C.P.R. Yorkshire Swine, breeding stock from imported sows and boars. Pairs not akin furnished. Write for prices.

J. COWAN, Donegal P.O., Atwood sta., G.T.R. Choice breeding stock in Leicester Sheep and Berkshire Swine.

Market Review and Forecast

The Trend of Markets—Supply and Demand—The Outlook

Toronto, March 14, 1906.

General trade is on the quiet side owing largely to the bad roads in many places. The outlook, however, is good and business paper has been fairly well met. Money is in good demand for mercantile purposes.

WHEAT

The wheat situation is not as strong as it was and prices are a few cents lower, the quotations here being 75 to 76½¢ for red and white, and 72¢ for goose, at outside points. In the speculative market operators are anxious to know what the future will be and what prices will be when spring opens. May prices at Chicago last week were 14½¢ down from October prices last year, and 24¢ below what they were a year ago. From now on there may be scare head reports about the crops which will influence the market.

COARSE GRAINS

The oat market seems to hold its own and prices rule steady. At Montreal oats bring 37 to 39½¢, as to quality, and here at 36 to 36½¢ to arrive in Toronto. The barley market is quiet here at 49¢, and peas at 77¢, at outside points. The corn market is firmer at 48¢ for No. 3 yellow, Toronto.

HAY AND STRAW

The export hay trade is rather discouraging. At Montreal there is little doing outside the local trade. Farmers east are getting from \$3.00 to \$3.50 f.o.b. for clover mixed and \$6.00 to \$8.50 for No. 2 f.o.b. at country points. At Montreal quotations are \$6.00 to \$8.50, as to quality, for car lots on track. There have been large deliveries of loose hay here and the market for baled hay is dull at \$8 for No. 1 timothy and \$5.50 to \$6.00 for No. 2. Baled straw sells here at \$5.50 to \$6.00 for car lots on track.

EGGS AND POULTRY

The egg market is still on the downward grade, though the past few days, owing to a falling off in the receipts the market is firmer. At Montreal fresh stock is quoted at 16 to 17¢ in case lots. Here new laid are quoted at 16¢ in case lots.

The poultry trade is quiet with little coming forward. Choice dry plucked are quoted here to the trade as follows: Fat chickens, 11 to 12¢, thin 7 to 8¢; fat hens, 8 to 9¢, thin 6 to 7¢; ducks, 12 to 13¢, thin 10 to 7¢; geese, 10 to 11¢; turkeys, 14 to 15¢ for choice small lots.

DAIRY PRODUCTS

As the opening of the new season approaches the cheese market seems to be firmer. Some sales were made last week at Montreal on the basis of 12½¢ for white and 13¢ for colored. The English market has a firmer tendency and some in the trade would not be surprised to see the market go to 70s. This would mean very high prices for the beginning of the season.

There has been a better inquiry for butter and sales have been made at firm prices. At Montreal the local demand is good at 22 to 22½¢ for choice and 20½ to 21¢ for undergrades. Receipts are light here and creamery prints are quoted at 25 to 26¢ and solids at 23 to 24¢. Choice dairy is quoted at 18 to 19¢.

SEEDS

Last week's Trade Bulletin quotes seeds at Montreal as follows: There is a fair demand for red clover seed, which is quoted in the West at \$7.25 for No. 1 and \$6 to \$6.75 for No. 2. Alsike is quiet at \$5.65 to \$6.75 in the West. Timothy is quoted at \$2.00 to \$2.50 in the West.

WOOL

The wool market rules quiet but firm. Stocks of Canadian wool are light. At Montreal Canadian pulled is quoted at 29 to 30¢; washed fleece, 27 to 28¢; and unwashed at 18 to 20¢.

LIVE STOCK

Deliveries of live stock have not been large this week. On Tuesday last only 52 cars arrived at Toronto city market and at the Junction on Monday only 39 cars. The fat cattle offered showed some improvement in quality. Owing to the light run busi-

ness is good. A great many farmers are coming to Toronto looking for work horses. Prevailing prices at the Repository here are as follows:

Single roadsters, 15 to 16.1 hands, \$75 to \$175; single cobs and carriage horses, 15 to 16.1 hands, \$150 to \$250; matched pairs, and carriage horses, 15 to 16.1 hands, \$300 to \$450; delivery horses, 1100 to 1200 lbs., \$140 to \$175; general purpose and express horses, 1200 to 1350 lbs., \$140 to \$190; draught horses, 1350 to 1750 lbs., \$150 to \$215; serviceable second hand workers, \$60 to \$80; serviceable second hand drivers, \$60 to \$85.

Maritime Markets

Halifax, N.S., March 8, 1906.

Conditions in most parts of the province remain satisfactory and the markets continue fairly steady. The continued mild weather has affected the price of both butter and eggs. Rolls are one cent lower, being quoted at 21 cents for best stock. Creamery prints are now selling at 26 cents but are slow of sale. Solids are also slow of sale at 24 and 25 cents. Eggs are



Special attention given to Accounts of Cheese Factories, Drivers and Grain Dealers, and all out-of-town accounts. Farmers' Notes Discounted, Farmers' Sales Notes Collected and Advances Made against their security. Municipal and School Section Accounts received on favorable terms.

Savings Bank Department

Deposits of Twenty Cents and upwards received, and interest at three per cent, per annum, COMPOUNDED FOUR TIMES A YEAR, without presentation of passbook. No delay in the withdrawal of any portion or the whole of the deposit.

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

ness was brisk, with prices of fat cattle 10¢ to 15¢ higher than a week ago. Exporters are quoted at \$4.75 to \$5.25 per cwt. and export bulls at \$3.75 to \$4.00 per cwt. Picked lots of butchers' cattle sell at \$4.75 to \$5.00; good cattle at \$4.50 to \$4.70; medium \$4.25 to \$4.35, and common \$3.75 to \$4.25 per cwt. Stockers and feeders are reported scarce. The following are the quotations for these: Best feeders, 1100 to 1200 lbs., at \$4.30 to \$4.60; medium feeders, 1100 to 1200 lbs., at \$4.20 to \$4.35; best feeders, 1000 to 1100 lbs., at \$4.10 to \$4.30; medium feeders, 1000 to 1100 lbs., at \$3.90 to \$4.10; best feeders, 900 to 1000 lbs., at \$3.75 to \$4.10; medium feeders, 900 to 1000 lbs., \$3.60 to \$3.90; best stockers, 750 to 900 lbs., at \$3.50 to \$3.75; medium stockers, 750 to 900 lbs., at \$3.15 to \$3.50; good stock heifers, 600 to 750 lbs., at \$3.00 to \$3.25; common stockers, \$2.75 to \$3.00. Milch cows and springers sell at \$30 to \$60 each. There is a keen demand for choice veal calves, but the inferior kind do not sell readily. Prices range from \$3.50 to \$7 per cwt.

Sheep deliveries are light. Export ewes sell at \$4.75 to \$5.25 and bucks \$4 to \$4.50 per cwt. Lambs of choice quality sell at \$6.75 to \$7.10 for the bulk, although \$7.25 per cwt. was obtained for one very choice lot of lambs on Tuesday last.

Hog prices keep up. Quotations here are \$6.85 per cwt. for selects and \$6.60 for lights and fats.

HORSES.

Prices for horses on this market are inclined to be weak. High class carriage horses are scarce and wanted. The supply of work horses seems to be about equal to the demand, although the demand for ordinary work-

declining almost daily. New eggs are selling at 18 cents in case lots, while limed are practically unobtainable. Supplies of cheese are reported low and the market firm in sympathy with the old country. Quotations as follows: Cheese, large, 13½ cents, small and twins, 14 cents.

There is a slight change in price of vegetables but such is only natural with the approach of spring. The heaviest advance has been in onions. Prices have advanced to \$1.50 and \$1.60 for the 80 lb. bag. Prince Edward Island potatoes are quoted at 40 cents per bushel; N. B., three cents bags at \$1.50, and turnips at 90 cents per bushel.

The feed market is firmer all around and in most instances the prices are slightly higher. The price of Manitoba bran has advanced about 50 cents per ton owing to the strong demand and light supplies. There is little Ontario bran on this market. Oats are very firm and some dealers have been compelled to advance their price to 48 cents per bushel. There has been no change in the hay situation and owing to the mild weather the consumption has not been particularly heavy.

\$3 a Day Sure Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free, you work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure. Write at once. IMPERIAL SILVERADO CO., Box 907, Windsor, Ont.

DON'T HARRY DOCTOR or despair "Don't do a thing" till you see clearly what's best by aid of Flash-Lights as Human Nature, on health, disease, love, marriage and parentage. Tells what you'd ask a doctor, but don't like to. 240 pages, illustrated, 25 cents; but to introduce it we send one only to any adult for postage, 10 cents. MURRAY HILL BOOK CO., 189 East 26th Street, New York.

THE FARMERS' EXCHANGE

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CASH WITH ORDER

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

FARMS FOR SALE

\$7,500—300 ACRES—1½ miles from Jamestown; hotel, school, store, and blacksmith shop; 3 miles from Bluevale, G.T.R.; 4 miles from Wroxeter, C.P.R.; good brick house; good bank barn, 36 foot square; good straw shed, 20x70, with stone stabling under both barn and straw shed; very desirable property; 140 acres cleared, balance bush; timber reserved, excepting wood. Terms, \$4,000 down; balance to suit purchaser. Must sell at once; money needed in other business. THE W. R. THOMPSON CO., Teeswater, Ont.

TWO HUNDRED ACRES.—Fine 300 acre farm for sale at Burford, 9 miles from Brantford City, splendid buildings, consisting of 2-story brick house, 2 bank barns, one smaller barn, implement house, sheep sheds, pig pen, etc. This farm must be sold to close an estate, and will be disposed of at a very reasonable price, liberal terms of payment. Write at once to, or call upon S. G. READ & SON, Brantford, Ont.

NURSERY STOCK

"WANTED—Men possessing character and fair ability to sell to farmers and townspeople, pay weekly. By applying to address below, such persons will be advised of an opening in a reliable company. We are not in the Book, Tea or Medicine business. L. J. NICHOLSON, 49 Wellington St. East, Toronto, Ont."

FOR SALE—Apple Trees No. 1 stock, at wholesale rates to farmers. Nurseries one-half mile west of Newcastle. Write for prices. N. T. SELBY, Newcastle, Ont.

HELP WANTED

YOUNG MEN wanted to learn telegraphy and qualify for positions on Canadian railways; forty to sixty dollars per month; positions secured. DOMINION SCHOOL OF TELEGRAPHY AND RAILROADING, Toronto, Ont.

"WANTED—Practical man to take charge of horticultural and garden work on gentleman's farm. Orchard, 5,000 young trees; garden and experiment department. Rare chance for young man with experience and brains. Thirty dollars per month, free house, fuel, vegetables, milk, and, to specially qualified man, possible share of profits. School and two churches near. Teetotaler preferred. State experience, references, age, whether married, number of children. M. BOX 246, Montreal."

"THE CEMENT WORKERS' HANDBOOK" tells farmers how to do all kinds of cement work successfully. Walks, floors, walks, tanks, fence posts, etc.; 30,000 words. Second edition. Cloth bound. Send 5 cents to JAS. E. TUTTS, Box 718, Welland, Ont.

"SITUATION" wanted as farm manager well up in all branches of farming and stock raising; used and capable to handle men. References if required. Apply to BOX 52, Beeton, Ont.

Gossip

Messrs. Innes & Prouse, of Woodstock, Ont., inform us that they have sold all their stallions.

They will hold a big auction sale of imported Clydesdale fillies on April 6th, 1906. These are a superior lot, both in size and quality. They were selected by a member of the firm and by one of the best judges of Clydesdales in Scotland. Fuller particulars will appear later.

Mr. Samuel Allin, Bowmanville, Ont., reports the sale of the following Shorthorns: One, 3-yr.-old Glos'ter heifer, one bull calf under one year of the same family, and one heifer of the Lavender strain, to Robert Miller, Stouffville; also two cows and one heifer calf to Mr. Carlyle, of Quebec.

Mr. Geo. Wragg, of Port Hope, has recently sold to James McKay, of Cobourg, the 2-year-old bull Gladiator (45997).

Mr. Amos Smith, of Trowbridge, Ont., has three young Shorthorn bulls

for sale fit for service. Persons desiring bulls should see or write Mr. Smith for particulars at once as they are likely to be sold early.

Port Perry Sale

Out of the thirty-six animals entered in the sale catalogue at the Provincial auction sale, held at Port Perry on March 2nd, only twenty-two were sold, the balance being withdrawn at or before the sale. The 22 sold averaged \$86, the bulls selling at \$79.25 each and the females at \$86.55 each. The chief event of the sale was the purchase at \$245, by D. Cotton, for an Orillia buyer, of Marchioness Hero—60473—and bred by Wm. Ormiston, Jr., of Columbus. The highest-priced female was Oxmead Belle—40690—also bred by Mr. Ormiston. She sold to Chas. Jenkins, of Oakwood, for \$160.

Field to Dairy

This is the title of a tidy little book embodying hints on the management of fields and cattle, the production of milk, cream, butter, cheese and the by-products of this office. The author, Wm. Shipperson, F.C.S., states that its object is to give in as concise a form as possible, the essential points pertaining to the different subjects touched upon. The publishers are Simpkin, Marshall & Co., Ltd., London, Eng., and the price is two shillings (50c.) net.



ROCK SALT for horses and cattle, in tons and carlots. Toronto Salt Works, Toronto.

GINSENG

is a money making crop. Room in your garden to grow hundreds of dollars' worth annually. Thrives throughout the U.S. and Canada. We sell roots and seed during spring and fall planting seasons, and buy the dried product. You can get started in this profitable business for a small outlay. Send 3c. stamp to-day for illustrated literature telling all about it.

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VETERINARY COURSE AT HOME.

\$1200 year and upwards can be made taking our Veterinary Course at home during spare time; taught in simplest English; Diploma granted, positions obtained for successful students; cost within reach of all; satisfaction guaranteed; particulars free. **Ontario Veterinary Correspondence School**, London, Can.

Ring-Bone

So common nearly every body knows it when he sees it. Lameness and a heavy enlargement just above the hoof, or higher and on the upper pastern bone, sometimes extending nearly around the pastern, sometimes in front only, or upon one or both sides. Cases like the latter are called Ring-bones.

No matter how old the case, how big the lump, how lame the horse, or what other treatment has failed, use

Fleming's Spain and Ringbone Paste
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A regular \$25 Watch in presentation. Very handsome. The cases are beautifully finished in a standard size, and magnificent engraved. It is the new 1906 model, stem wind, and is fitted with a calibrated American lever movement, carefully adjusted, accurate and reliable. We will send you this watch exactly as described for selling only 25 sets of our beautifully colored Picture

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