

J.G. Rutherford, Dept. of A.

# THE FARMER'S ADVOCATE

AND HOME AND GARDEN MAGAZINE

PERSEVERE AND SUCCEED

\*AGRICULTURE, STOCK, DAIRY, POULTRY, HORTICULTURE, VETERINARY, HOME GIRCLE.\*

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 VOL. XXXVI WINNIPEG, MAN. MAY 20, 1903. LONDON, ONT. No. 574

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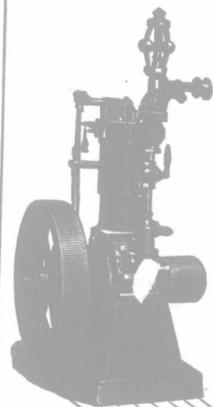
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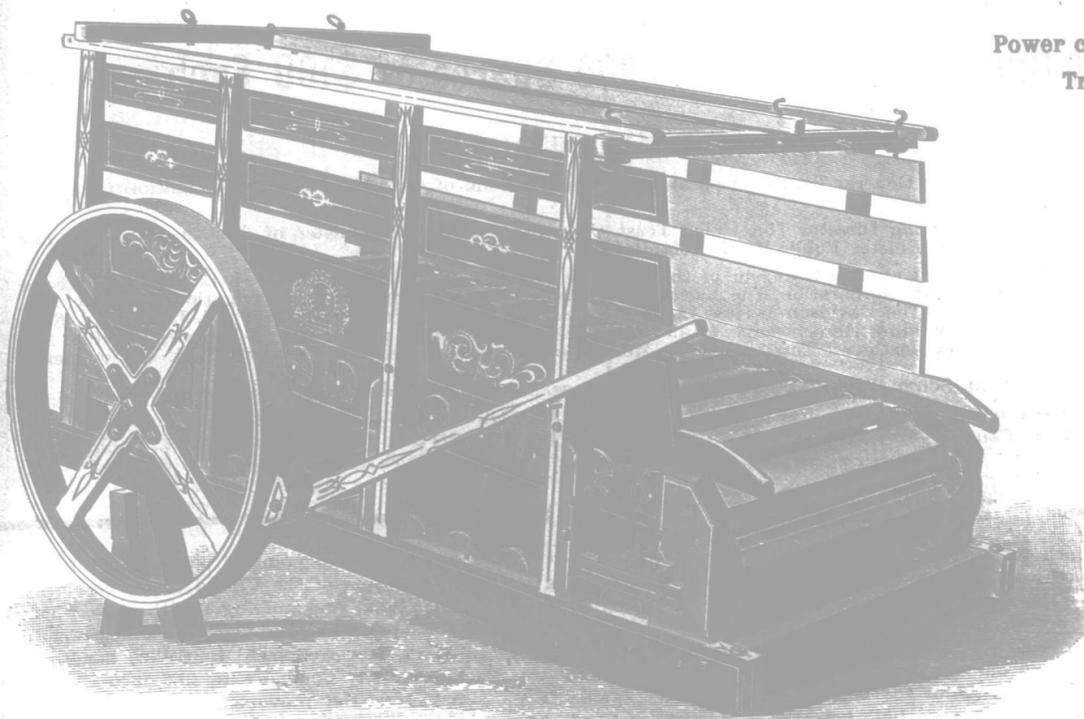
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**T**HIS CORPORATION has been formed for the purpose of dealing in lands in Manitoba and the Northwest Territories of Canada.

Up to a few months ago practically the whole profit from dealing in the lands in the great western portion of our country had been reaped by shrewd American investors, who realized the immense possibilities and the certain future of Western Canada, before we Canadians realized the immense heritage which lay within the boundaries of our own country. In the last months of the year 1902, however, the promoters of this Corporation, having, through the different financial institutions with which they are connected, been obliged to make a careful study of the Western situation, became so thoroughly satisfied of the certain future of the Great West and of the practically assured profit from an investment in Western lands, that they decided to form a company to deal in land in the Canadian West. With that end in view, a block of something over 125,000 acres was secured in the Big Quill Plains, in the District of Saskatchewan, and a company known as The Eastern and Western Land Corporation, Limited, was formed for the purpose of acquiring and handling this block. The stock of The Eastern and Western Land Corporation, Limited, was placed upon the market and offered to the public for subscription in January of the present year, and so prompt was the response that within one month it was necessary to close the stock books, and even then applications for a large quantity of stock were refused. But, from a shareholder's standpoint, the best part remains to be told. Before the sales of stock were stopped, arrangements had been made with a large American Land Company for the sale of the whole of the Company's lands at a price so largely in excess of the purchase price that the stock of The Eastern and Western Land Corporation, Limited, is already a very profitable one and is held very firmly by its present holders, and all this was done in less than one month. Can any better proof be given of the wisdom of an investment in Western lands?

At the time The Eastern and Western Land Corporation, Limited, was dealing with the Quill Plains lands, the Directors had in view several other available blocks of land and were having the same carefully examined, but waited until the result of the one operation proved to the Canadian public the safety and profit of an investment of this kind. This has now been abundantly shown by the success of The Eastern and Western Land Corporation, Limited, and we have therefore no hesitation in placing before the public the stock of The Ontario and Saskatchewan Land Corporation, Limited.

It is only within the last year or two that Canadians have come to realize that Canada's future in a great measure lies in the West, a country immeasurably larger than the east, and capable of supporting in comfort millions of people. Few in Eastern Canada realize the great progress this Western country is now making, and that before many

years the West will surpass the east in point of population. Immigrants are pouring in, and the people of the United States especially are investing immense sums in land and holding for the rise which they know is sure to come. Lands in the West are increasing rapidly in value. Investments in them now are bound to realize handsome profits. The Canadian Pacific Railway Company, in 1902, sold 2,420,440 acres, as against 830,922 acres for the previous year; The Canada Northwest Land Company sold 516,000 acres, as against 120,000 acres for the previous year; The Saskatchewan Valley Land Company of St. Paul, Minnesota, sold over one million acres of land in 1902, at a profit of some millions of dollars; The Haslam Land and Investment Company of St. Paul, Minnesota, sold 300,000 acres in one year; The Northwest Colonization Company of St. Paul disposed of over 500,000 acres, and if to these be added the lands sold by the Dominion and Manitoba Governments, the Canadian Northern Railway and other companies, syndicates and individuals, an opinion may be formed of the immense advances this Western country has made in one year.

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No lands are purchased by this Corporation except after a careful and capable report by the most experienced land selectors in the West, and thus practically every element of risk is eliminated from an investment in the shares of this Company.

This is an investment which should especially appeal to the Canadian public, as it gives a practical certainty of profitable returns without the risk so often run in investing in companies doing a business of a hazardous nature, and it is an investment which Canadians believing in their own country and its future may make, feeling that in so doing they are helping to develop their own land.

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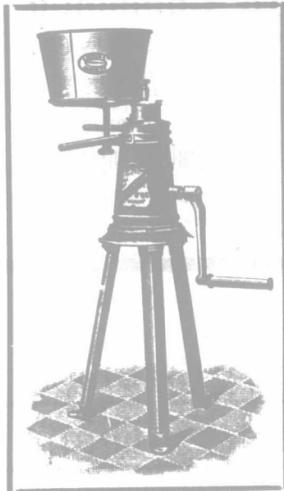
of this Corporation, divided into 8,000 shares of \$100 each, for subscription at par, 25 per cent. to be paid in on application, 10 per cent. in 30 days thereafter, and 10 per cent. further in 60 days, and the balance as called by the Directors, if deemed necessary. Applications for stock will be accepted only in order of their receipt by the Trustees, and should be addressed to The Union Trust Company, Limited, Toronto. Applications and also the large prospectus of the Company may be obtained from The Union Trust Company, Limited, Toronto, or from any branch of The Merchants Bank of Canada, or of The Union Bank of Canada, through whom also applications and payments may be forwarded.

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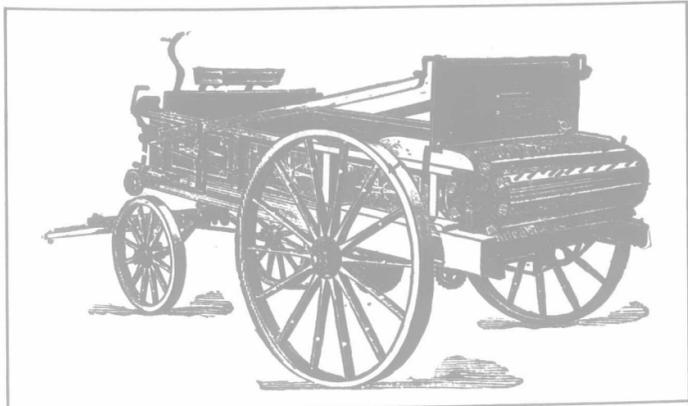
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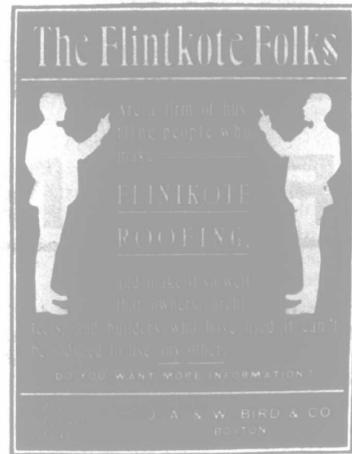
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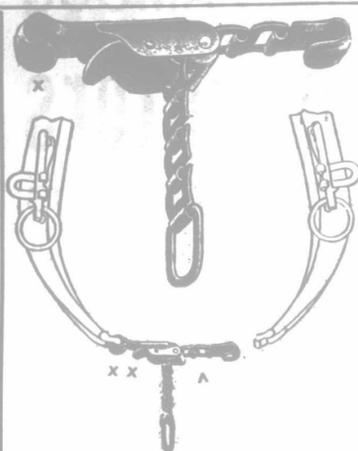
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# FARMER'S ADVOCATE

AND HOME MAGAZINE

\* AGRICULTURE, STOCK, DAIRY, POULTRY, HORTICULTURE, VETERINARY, HOME CIRCLE. \*

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VOL. XXXVIII.

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No. 574

## Editorial.

### The Stockman's Hope.

That the prospects of a good demand for pure-bred stock in Western Canada are bright, there can be no doubt. For some time the market for blue blood has been improving, and the consensus of opinion among breeders now is that the market is in a fairly satisfactory condition.

In looking backward to trace the evolution of events, it becomes reasonable to expect that well bred animals should by this time be finding favor in the eyes of the old-time wheat farmer. This is, of course, not a country where the beginner in farming, with small means, can extensively embark in pure-bred stock breeding. Over the greater area the dollars must first come from wheat; but after the farm has become well under cultivation, and comfortable buildings are erected, a worthy and commendable ambition is the possession of a small herd of pedigreed stock. The years of plenty which the pioneers of this country so richly deserved have come, and hundreds of farmers can now boast of that which is needful to gratify, it may be, their life's desire. In consequence, the well established stockman has sent out much of his surplus to become the foundation of new herds. Down in old Ontario has our Western buyer been present, and from the best herds of that Province not a few favorites have been secured at fancy figures, to supplement our already reputable herds or become the rock upon which to build a new one.

A noticeable and commendable feature of the present tendency on the part of many to begin breeding pure-bred stock is that they are beginning in a small way. This is desirable, because genuine success can only be expected where practical experience is the guide. Some of the greatest disasters which have befallen the pure-bred cattle industry of Canada and the United States were brought about by men of capital and no experience in stock, who desired to swing suddenly to the front in the realm of stockdom. What this growing country needs is more farmers to take an interest in high-class stock, either by starting a herd or purchasing superior blood to build up the stock already on their premises.

There can be no danger of over-production of well-bred horses, cattle, sheep or hogs in this country. The demand is sure to increase steadily. Not only will the improved conditions of the agricultural classes have this effect, but the rapid inrush of settlers and the population of new districts makes the prospects encouraging, almost beyond comprehension. Moreover, our fertile soil, from which has been reaped so many bountiful harvests without apparent diminution of fertility, must in time give way, notwithstanding what is thought to the contrary. Nature's storehouse in the soil never did and never can continue for upwards of a half century under similar conditions to give to the sower the same returns for his energy; hence the time will come when the land must have a rest. Larger areas will be seeded to grass, and stock-raising will become more popular in Manitoba and the Territories.

The present state of our cattle trade with Great Britain demands that greater attention be paid to breeding in Canada. Much as may be gained by better finishing of all stock sent to the foreign market, top prices will never be realized until there is a general improvement in the breeding. Happily, however, there is a tendency for good bulls to be more appreciated and better

patronized throughout the country, and as this is the chief medium through which improvement must be expected, the situation may be regarded as presenting some encouragement as far as Manitoba and sections of the West is concerned. Taking all things, therefore, into consideration, the signs of the times undoubtedly point to bright prospects for the breeder of pure-bred stock.

### Siftings.

The weeds are beginning to grow; nip them in the bud.

\* \* \*

If there was not time to plant the vegetable garden during the mighty rush of seeding, give it a little attention now. Some varieties will do very well even yet.

\* \* \*

Tell the young men of your district about the "Farmer's Advocate" gold medal for stock-judging. Encourage them to take a hand in the game.

\* \* \*

The question of establishing a Winter Fair has been receiving serious consideration at Brandon. What about Neepawa, Portage la Prairie, Carman and other towns having claims to advance?

\* \* \*

The time for plowing matches will soon be here. Boys, get into line; it's a worthy ambition to be able to turn a good furrow. Send along the date and particulars of your next match for publication.

\* \* \*

Don't fail to read the letter in another column on a Dominion Exhibition for Winnipeg, by L. S. L. There are some mighty important ideas in it that should interest you. Send us in a few notes, giving your opinion of the proposition.

\* \* \*

In certain parts of the United States, where winter fattening of sheep is practiced, good profits have been made this year. In Australia, the great sheep-raising country, the flocks have become reduced to an alarming extent owing to drought. The sheep business shows signs of brightening up in this country.

\* \* \*

The summer fairs will begin during the last of June. Have you decided upon the extent of your contributions to the exhibition. Support it to the best of your ability, and in so doing you will be furthering the best interests of your district.

### Clover and Grass at Brandon Experimental Farm.

The clovers and some of the newer grasses which are under trial at the Brandon Experimental Farm were recently inspected by a representative of the "Farmer's Advocate." Although in an exposed position, they have all wintered well. Mammoth Red, Common Red, Alfalfa and Alsike clovers have each a good stand, and are shooting ahead in a very satisfactory manner. Bromus Arvensis, a new Brome grass in Manitoba, has also come through the winter safely, and promises to be suitable for Western cultivation. Red-top, although not sufficiently thick for a good crop, is also doing well, and appearances indicate that it has come to stay. It has wintered equally as well as the other varieties; its thinness being entirely due to the seed being of inferior quality.

### Horticultural Trial Stations.

At a meeting of the Western Horticultural Society, held in November last, a paper was read by Melvin Bartlett, Secretary of the Association, pointing out the necessity for and advantage to be gained from having horticultural trial stations in different parts of Western Canada. A few weeks later, when the annual convention of the same association was held in the City of Winnipeg, the advisability of undertaking this work was discussed and unanimously approved of. As certain difficulties appeared in the way, however, it was referred to the executive committee for fuller consideration, to whom authority was given to put the proposition on a working basis, if possible.

Since that time the matter has received due attention on the part of the executive in charge, and a definite announcement has been made that horticultural trial stations will be established under the direction of the Western Horticultural Society.

During the eight years that this organization has been in existence, a work of immense value to the whole country has been done. More particularly, perhaps, may this be said of the last three years, for in that time the membership has increased from 30 to 148, forming an association both influential and useful. It is questionable, however, if during its existence a more important movement was ever set on foot than the present one, which is calculated to determine by actual experiment in different parts of the country the plants, fruits and shrubs best suited to each locality. At Brandon and Indian Head we have two experimental farms that have been of untold benefit to the districts in which they are located, and, in a smaller degree, to the entire country, but the climate and soil conditions of Western Canada are so varied that each district must, to a large degree, determine for itself its real position in regard to horticultural development. A tree that succeeds at Brandon may not suit the Dauphin country, while others that will barely grow at the former may be a pronounced success in parts of Southern Manitoba.

The early settlers in this country never dreamed of such successes in fruit-growing as have been already recorded, and yet in the light of present-day developments, it is questionable if we have yet touched more than the fringe of that horticultural discovery which awaits the researches of the present generation. To effectually promote this work the Western Horticultural Society are determined. They mean to carry it out, too, without an extravagant expenditure of money. The plan, as at present outlined, is to select certain districts in which there are persons willing to co-operate with the association and who are in a position to do careful and conclusive work. These experimenters will be supplied with trees, plants and shrubs, which the nursery companies are willing to place at the disposal of the association. They will, also, be required to make periodical reports as to the progress which is being made, but in return they will become the owners of all collections of plants supplied, and in all probability will be allowed their expenses while attending the annual meeting of the association. It is hoped to establish these trial stations at such points in each locality as will command the greatest attention from the public, who are to be the principal benefactors.

This is a proposition which is worthy the appreciation of every person in Manitoba and the Northwest Territories, and its development, if wisely directed, should result in a universal improvement on our present status in horticulture.

## THE FARMER'S ADVOCATE AND HOME MAGAZINE.

THE LEADING AGRICULTURAL JOURNAL IN MANITOBA  
AND N.-W. T.

PUBLISHED SEMI-MONTHLY BY  
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### A Dominion Exhibition for Winnipeg.

To the Editor "Farmer's Advocate":

Sir,—Your suggestion that something should be done to make the Winnipeg Exhibition a still greater demonstration of the importance of Western Canada is well timed, and I hope the result will be the greatest advertisement of the wealth and resources of Manitoba and the Northwest Territories ever seen. Whether it will be possible or wise to hold such an exhibition in 1904 is a question requiring some little consideration, as it appears to me that something of a very different character to the present general arrangements ought to be kept in view. The show of grains, stock, dairying, etc., will probably, and rightly, hold the first place, but much more could be done, with the necessary financial backing, in the industrial, art, scientific, natural history and other sections, to bring large numbers of visitors from all parts of the Dominion, from the States, and even from Europe. The Dominion Government have from time to time sent valuable contributions to former exhibitions, both in the mother country and in the States, and similar exhibits, so far as they are representative of Western Canada, would doubtless be forthcoming for the proposed show at Winnipeg; and the farmers of Manitoba and the N.-W. T. would be greatly benefited by the lessons thus again thrown open to them, on such matters as forestry (to which important subject the "Farmer's Advocate," Mr. Bedford, of the Experimental Farm at Brandon, and others, have time and again contributed much needed and valuable information), fisheries, mines and minerals, etc., all of the first importance to every settler, but sadly neglected in past days. A special grant from the Dominion Government would do much to ensure the success of such an exhibition, but the wealthy corporations, manufacturers and merchants should also be asked to contribute to a guarantee fund large enough to render failure of such a scheme impossible. The time has surely come when the merchants and business men of Winnipeg alone could become se-

curity for such an amount as would enable the promoters to make their exhibition an event of such importance as would attract the attention and bring to the Prairie Province the peoples of at least all the English-speaking countries of the world. Even in the unlikely event of partial failure, the necessity for drawing upon such a fund would be amply compensated by the development of the country and the increased volume of business which must inevitably follow. It is almost too much to hope to make such enterprises pay directly, but surely it is worth some trouble and outlay to increase the general trade and prosperity of the Province, and with good management and fairly good luck as to weather, the management would probably come out with a handsome balance—witness the Glasgow Exhibition of 1901 (in which the Canadian exhibit was, perhaps, the most interesting and popular), possibly the best managed thing of the kind seen for many years, although even in the case of the great Clyde City the surplus fell lamentable short of the exaggerated ideas indulged in by the canny Scots. The great thing is to make sure that everything possible is done to ensure a high-class exhibition, so that the result, direct and indirect, may count for much to the City of Winnipeg and to Western Canada generally.

Assuming that the exhibition would be held on the existing grounds, the present buildings would form an excellent nucleus for the work, while there is ample scope for extensions to provide accommodation for a much larger show of manufactured goods and machinery, pictures, drawings and sculpture, natural history specimens, scientific and historical exhibits, etc., such as has never been seen in a Provincial exhibition on the American continent. The labor and expense of such an exhibition would, no doubt, be great, and the exhibition would require to be kept open for a considerably longer time, but the immediate benefits accruing to the city and the Province would amply repay the additional labor. Instead of a week, why not provide for a month? To the Western farmer and intending settler the exhibition ought to be a great object lesson, from which he may learn much that is new to him, which will teach him how to improve in many ways what he already knows, and stimulate in him a desire for improvement and advancement in his methods, in his material, and in his life. Our brothers from the Old Country, of whom it may be hoped many would find their way to Winnipeg Exhibition, require even plainer teaching, and if it were possible to hammer into their heads a few of the facts which are so plain to Canadians, we should find the number of British immigrants rapidly increasing. It is curious that the average Briton understands what he is told about the summer climate, but has never been able to grasp the truth that the Canadian winter is so much more endurable than his own, and sticks to the old-fashioned views of shivering and shaking for six months out of the twelve.

Among the general arrangements requiring alteration or amplification are the means of transit, which last year, notwithstanding the admirable efforts of the Street Railway Company, were insufficient to handle the large crowds which at times awaited the cars; and the numbers would be greatly added to in the case of the proposed Dominion Exhibition. To get over this difficulty, and at the same time relieve the pressure at the railway depot, it would be a simple matter to establish a temporary railroad station at the exhibition. This would be a great convenience, especially to visitors from country districts and distant cities and towns, many of whom would come on one-day excursions. The railway tickets can be issued to admit direct to the exhibition. Then as to the so-called "attractions." The deplorably tawdry, and, to put it mildly, vulgar side-shows, should not be necessary, and ought to be swept away for ever; while the horse-racing, however admirable in itself, is out of place, and should be entirely separate from such an exhibition, swallowing up, as it does, an amount of prize money ridiculously out of proportion to the sums devoted to competitions in other and more legitimate directions. If the public cannot be induced to visit a high-class exhibition without the bait of such "attractions," it is not worth running. The space taken up by such entertainments could be advantageously occupied by more

profitable and equally alluring attractions. With the wealth of musical talent available in the city and throughout the Province, with bands and professionals from other places, daylight and ordinary fireworks displays, etc., etc., it should be possible to provide amusement for any number of visitors at all times, for six months if need be. If the advertising be sufficient and efficient, you will bring crowds to any form of entertainment, irrespective of its nature. And, to develop the industries of the city and introduce fresh capital for the establishment of new ones, advertising, and big advertising, is what Winnipeg requires now.

Another point deserving of consideration is the possibility of providing for some portion or the exhibition being retained as a permanent institution, and as, unfortunately, no provision is likely to be made in connection with the Carnegie Library for a really useful museum for the city and Province, it might be possible to arrange for the retention of such educative exhibits as would form the beginnings of a collection illustrative of the actual and potential wealth and resources of the country, available at all times for the instruction of Canadians and of visitors to the city. The site selected for the Carnegie Library is not large enough to provide for future extensions and at the same time allow for space for a suitable museum illustrative of the history and the possibilities of this great territory. The distance of the Exhibition Park from the present center of Winnipeg is not a disadvantage, as the growth of the city being necessarily largely westward, will, in a comparatively short time, bring the exhibition, with improved car connections, within easy reach of the public. It is time Winnipeg had something better. In this connection, is it too much to suggest that some portion or portions of the grounds which lie idle for the greater part of the year should be laid out with artificial lakes, not only to enhance the beauty of the place, but to give a feeling of relief and coolness to the surroundings? I think the city gardener proposed something of this kind, and it is to be hoped it may be carried into effect.

If there must be sensationalism of some sort, I would suggest that a high erection of some kind, not necessarily copied from the Eiffel Tower or the Great Wheel at Earl's Court, should be erected and established as a permanent institution. It would be a mighty relief to the weary workers of Winnipeg to be able to get a little higher than their own shadows occasionally, to look at the rising or setting sun of the wondrous West, and I have no doubt they would gladly pay a small toll for the privilege. But such a building could be made to serve an important purpose as a meteorological station; and, who knows, might act as a half-way house for slinging Marconigrams between the Emperor of China and Mr. Chamberlain!! It would require to be most carefully designed and constructed, but if it should prove another Tower of Babel, we are provided with the confusion of tongues in the city beforehand!!!

A matter of importance which ought to be kept in view, as was done in Glasgow, is that the exhibition should not be made a general sale-room, as has been too often the case, to the detriment of the city stores. No goods should be for sale direct, without written permission from the management, and then only in cases where unfair competition is impossible. The merchants of Winnipeg can hardly be asked to guarantee the success of an exhibition if their competitors from far and near are to be allowed to undersell them on their own ground.

Another reason for doubt as to the advisability of holding the exhibition next year is the lack of accommodation for visitors. Unless this can be very largely increased the demand would so greatly exceed the supply as to render the position intolerable for ordinary visitors.

Here is food for reflection, and it will be clear from the above very imperfect outline that much preparation and organization is wanted before fixing the date of any exhibition of the importance indicated. Anyhow, we don't want to be second to any other Province or State, and the "Farmer's Advocate" is entitled to the thanks of every farmer, merchant and business man in Western Canada for the excellent suggestion, and I hope other readers will give full expression to their views on the subject.

L. S. L.  
Winnipeg, 4th May, 1903.

### Watch the Experimental Farms.

Those who are not yet familiar with Western agriculture will serve their own best interests by keeping closely in touch with the Experimental Farms at Brandon and Indian Head. These institutions have done a great deal for the farmers of the West, and the system which they follow in regard to soil cultivation and the rearing of crops may be safely taken as a guide by all whose conditions of soil and climate are in any way similar. Even the old prairie farmer finds it to his advantage to know what is going on at these stations. The new varieties of grains, grasses, etc., which have been introduced and tested, and found to be suitable to our climate, have very materially enhanced the value and extent of our agricultural products. The superintendents in charge of both farms are men capable and thorough, and their advice may be followed by beginners with the utmost security.

## Horses.

### Russell Spring Stallion Show.

At Russell on Friday, April 24th, a spring stallion fair was held, under the auspices of the Russell Agricultural Society, of which Peter Wallace is President, and D. M. Kinnaid, Secretary. For various reasons, chief among them, doubtless, being the busy season and the leanness of the prizes, the show was not a success. A very meagre number of horses graced the ring, and as they varied considerably in breeding, there was scarcely any competition, consequently the judges, Messrs. Robt. W. Patterson, of Shellmouth, and A. McLennan, of Minnaska, had a snap. These gentlemen rendered their decisions in a way that we feel sure was satisfactory to all intelligent horsemen, yet we venture to suggest that had the horses been made to show their action, and also speed, to that degree which is usually done in show-rings, the onlookers would have appreciated it.

The prizes consisted of ribbons, and this, no doubt, was largely accountable for the lack of competition in almost all of the rings. Russell is a good horse center, both as regards numbers and quality, but had the honor of winning been supplemented by dollars and cents, there is no doubt but a larger number of horses would have been on exhibition. To win a prize when there is but a single entry does not swell the breast of the owner of the winning animal with pride, or yet call for the plaudits of the onlookers. Moreover, a real top-notch when alone in his class has not the same opportunity of showing himself to advantage, for the average onlooker judges by comparing those that are in the ring, and seldom has in his mind the typical form of the breed represented.

The prize list was divided into the following classes: Heavy Draft, aged; Heavy Draft, under three years; General Purpose; Standard-bred; Carriage; and Thoroughbred. What is a general-purpose stallion? is the question which confronts each intelligent horseman as he views such a list. The general-purpose horse, as commonly known to-day, is got by crossing some of the breeds; thus he is an animal of haphazard origin, and for that reason, chiefly, it is entirely out of place to have a stallion-class called General Purpose. Perhaps the syndication of stallions was to some extent responsible for the small turnout of horses at this fair, yet most of those shown were owned by syndicates. However, nothing different could be expected, for very few stallions in the neighborhood are otherwise owned. When a number have joint shares in a horse it stands to reason that that horse is not as likely to be shown at a fair as if he belonged to a single individual, especially when honor is the only reward bestowed upon a winner.

At this show two Clydesdales and one of each of the following breeds were shown: Standard-bred, Hackney, and French Coach. In Clydesdales, Borthwick (imp.), sire Prince Cedric, he by Cedric, won first. He is rising five years, and is a good-sized horse, with a short, strong back, fine chest, smooth shoulders, and good bone. Borthwick is owned by the Russell Stud Horse Syndicate. P. Hyde, Silver Creek, is the president, and H. E. Boulton, Russell, the secretary. Archer's Heir, sire Royal Archer, dam Reinbeck Beauty, was his competitor. This horse is owned by the Archer's Heir Entire Horse Association of Russell. Archer's Heir is a beautifully made horse, with good bone and lots of quality throughout, but is undersized. Gritwood, the Standard-bred shown, is owned by John Pierson, Minnedosa. He was sired by Thornwood 1567, he by Woodlawn, he by Thorndale 549, the sire of Bob Johnston, 2284; Alice Tyler, 230, and many other well-known winners. Gritwood showed in splendid form; he has a beautiful head and a compact, smooth body. The Hackney stallion,

Prometheus, which entered the ring and carried away the honors, is one that has stood high in strong competition. He was sired by Rufus Jr., dam Conquest, by Anconeus. Prometheus is owned by a small syndicate, of which G. P. Baker, V.S., Russell, is secretary. This horse showed up well, being in fine fettle. The French Coacher, Ottawa Chief 690, sire Ottawa Chief, dam Nancy, by Freichette, is owned by the Tumble Horse Syndicate, Messrs. D. Johnston and J. L. McDonald being manager and secretary respectively. Ottawa Chief 690 is a big fellow, and ought to leave good stock, as along with his size he has quality.



MILITARY CAMP FIRE.

How the pot was boiled at Camp Barr, Saskatoon, Sask.

### Cure for Sore Shoulders.

Now that the spring work is over, there will be some horses, no doubt, that will have sore shoulders, caused either by scalding or ill-fitting collars; this spring it would no doubt be the latter, as it was very cool. A good cure for an ordinary gall is graphite. It can be had at any general hardware, and costs about five cents per ounce, but an ounce is quite a bulk. The way to use it is simple: Dampen the collar or pad, just where it will touch the sore, then sprinkle a little graphite on, and smooth it with your finger. This will prevent the sore from sticking to the collar, as it is very slippery stuff. At night, as soon as the collar is taken off, wash with salt and water made pretty strong, or a solution of carbolic acid, say one to thirty, and apply a little sweet oil; if salt and water is used it should be thoroughly brushed all around as soon as it is dry. Follow these directions and I am sure good results will follow, at least my experience has proven so. Some say air-slacked lime is good. I tried it once, and that was enough, as it seemed to burn the skin and make the sore far worse. Hoping this suggestion may give some poor horse relief, I remain for this time, YOUNG HORSEMAN.

### Satisfaction All Round.

We think the "Farmer's Advocate" "all right," especially the Immigration number, and look forward for each issue. We wish you continued success. THOMPSON ATKINSON. Medicine Hat, Assa.



STALLIONS AT THE SPRING SHOW, RUSSELL, MAN., APRIL 24, 1903.

### The Examination of Horses as to Soundness.

While the official examination of horses as to soundness is solely the province of the veterinarian, and his certificate alone is of value in courts of law, there is no reason why any ordinary horseman cannot attain reasonable skill. In the strict sense of the word any abnormality is an unsoundness, but the definition usually accepted in the courts is something like this: "An abnormality that interferes with, or is liable to interfere with, the horse's usefulness is an unsoundness; hence, the man who passes judgment in regard to soundness must of necessity have a knowledge of the various kinds of diseases and abnormalities that impair the usefulness or value of a horse; he must, also, be able to discriminate between degrees of the same disease or abnormality, and decide whether that which exists should be considered serious or not: For instance, a small splint, when not situated very close to a joint, is not usually considered sufficient to condemn a horse; while if it be large, double, or near a joint, it is more serious. Again, slight bursal enlargements in the region of the fetlocks (usually called windgalls) are not considered serious, but if quite large and tense they certainly constitute unsoundness. If we were to accept the first definition, very few horses would pass, as there are few horses that have reached adulthood that are absolutely sound. In order that a man may be able to detect unsoundness, he must be perfectly familiar with the appearances of and the sounds made by, the organs when in a healthy state. This knowledge can be attained only by actual and extensive observation. Theory is of little use here; he must have actual practice. For instance, a man may study the anatomy of the eye and be able to give or write an accurate description of the normal eye, and at the same time not be able to recognize a healthy one at sight. Familiarity with the different appearances of the different organs, or the different appearances of the same organ, all within the region of soundness, is necessary to enable a man to detect disease when it is present. It must be remembered that there are many divergences or differences in appearances or conformation of various organs, not constituting unsoundness. As an example, I might mention the hock. There is probably no part of the anatomy that admits of such varied conformations, and we might say roughnesses, due to what may be called hyper-development of the various bones, the relative position one bone bears to another, as regards angles, etc., and still be sound as this joint. In fact, it often gives the most expert veterinarian trouble to decide whether or not a hock is sound; hence, not only in respect to this particular, but to a greater or less extent to all points, it is necessary that the prospective judge examine carefully the different normal conformations and appearances in order to be able to detect abnormalities.

In examining a horse we consider him both standing and in motion. We first examine him standing, and in order to do so thoroughly, we must do so systematically. We will start on the near side. First pass the hand carefully over his poll and search for symptoms of poll evil, either present or past. If there be swelling or soreness we condemn him, and although neither be present, if there be scars or cavities that indicate that he has at some time been operated on for this disease, we are justified in pronouncing him unsound; as, while in many cases a perfect cure is effected, it is not unusual to have a recurrence

of the disease months after a cure has apparently been effected, and where suspicion exists we are not justified in giving the horse "the benefit of the doubt." His ear should now be carefully examined, then his forehead, then his eye. This is a very important organ, and one in which disease may exist, even to cause total blindness, and still there be no apparent alteration of structure to attract the notice of the casual observer. In order to examine the eye it is necessary to stand the horse in a clear light, but the sun must not be shining, either in the eyes of the horse or the examiner. Being familiar with the appearance of the healthy eye, we look carefully into his eye, and if we become suspicious that there is anything wrong, we can make motions to strike the face with our hand; if sight be all right he will draw the head away at each motion. We know that the pupil is quite elliptical in the healthy eye, and if we see an eye in which it approaches the spherical, we suspect disease. We also know that the pupil dilates in darkness, and quickly contracts when the light strikes it, so that if we are suspicious we can shade the eye with our hand to allow the pupil to dilate, and then suddenly remove the hand and watch it contract. As contraction is very rapid, it requires quickness to detect it, but if we see an eye in which the pupil remains quite large in a strong light, we may at once decide that the eye is diseased. If cataract be present, except in the early stage, we are able to detect it. When we cannot decide in the way mentioned, we take the horse to a darkened stall and examine with a candle, but this examination can be done successfully and satisfactorily only by a veterinarian. Passing from the eye we look carefully for bony or other enlargements or malformation of the face and cheek. We then come to the nostril; we look carefully at the mucous membrane, in order to detect disease which alters its condition, as nasal gleet, influenza, glanders, etc. Then we reach the mouth, which should be carefully examined. It is good practice to examine both sides now, so that when we are examining the right side of the animal we will not need to open his mouth. We look carefully at the incisor teeth to see that he is neither under-shot nor parrot mouthed. While either of these conditions is more correctly termed a malformation than an unsoundness, it is a serious matter and must not be passed unnoticed. We find that either condition, if well marked, interferes more or less with the feeding abilities of the animal, and is often accompanied by an improper working together of the upper and lower molars; hence, we condemn a horse with a mouth of either kind. We examine his incisors carefully, also to determine age, as it is principally by the condition of these teeth that we are able to judge. The molars will indicate age until four years, but they are difficult to see, hence we depend upon the incisors. In cases of parrot-mouth, or the reverse, the teeth do not undergo the normal wear, hence we cannot put much dependence on them. We should also examine the molars to see that there are none missing or decayed. The mucous membrane of the mouth, and the tongue should also be carefully observed for abnormal conditions.

(To be continued.)

### The Siberian Horse.

John Foster Fraser tells us that Siberia is a good country for horses. They are sturdy workers, and as hardy as you can find. In Central Siberia there are eighty-five horses to every hundred of population. In the United States the proportion is twenty-two to the hundred, and in France seven to the hundred. The Siberian proportion, indeed, is only excelled by the Argentine Republic, where the rate is 112 horses to every hundred inhabitants. In the region of the Trans-Siberian Railway from Cheylabinsk to Irkutsk it is estimated there is something like three million horses. The average peasant horse is worth from 24s. to 30s. The horses used for the post, and which have enormous powers of speed and endurance, cost from £2 10s. to £3. The finest horses, which would fetch about £60 in England, are to be got from £5 to £7.

### The "Advocate" has no Equal.

I have been a subscriber of your valuable paper going on two years, and have received much good from it, and prize it more as I am a Canadian myself. In talking to an American horse-breeder the other day on agricultural papers, he showed me a copy of the "Farmer's Advocate," and said it was a better paper than any published in the States.

WM. JAS. THOMPSON.

### One of the Many.

I have been a subscriber of the "Advocate" for three years, and like it very much. Your Immigration Number was worth the subscription price alone. Yours truly,

ROBT. MILLS.  
Sec.-Treas. Summerberry Branch T. G. G. A.

## Stock.

### The Stock at Collynie and Tillycairn.

Naturally, about this great herd, the animals that attract most attention are the stock bulls. This is natural, because one looks for any improvement in a herd to come from the bull side, as the females are to a great extent the groundwork of the herd. We must look to more perfect ideals being introduced on the sire side if the standard is to be raised from a lower to a higher plain. When we speak of a Collynie stock bull, we naturally speak of an animal that has in him the best qualities obtainable as a breeder. I need not enlarge on this, because the Collynie herd is recognized as one of the three leading herds at the present day, and the standard can't be either maintained or improved unless the sires introduced are nearer perfection than at any other time in the history of the Shorthorn, so with the array of stock bulls at Collynie we are at once face to face with the best that the breeders' art has as yet produced.

Mr. Duthie as well as Mr. Marr are ever on the lookout for something special, and an animal that nearest approaches their ideal is never let slip. Mr. Marr draws solely for his supply from Dean Willis; Mr. Duthie goes further afield, and draws for his supply anywhere, wherever the animal and the pedigree suits his case. The stock bulls at Collynie are six in number, having been reinforced the previous day by the red Union Jack, by Challenger, bought at the Perth bull sale from Mr. Anderson, Ballachraggan, at \$900. He is all over a great yearling, dark red, and a great handler, covered with an even coating of flesh, and looks like a coming bull. Of all the bulls that attracted our fancy most, was the rich roan, Alastair. This bull was bred by Lord Lovat, and is got by that great breeding bull, Royal Star, the sire of so many good ones. He was champion at Inverness sale, two years ago, and was then purchased at the long figure of \$2,000. One must see this bull to appreciate him. He embodies most of the good points we are all after, and there is something stylish and rich in his whole appearance that marks him out as a prince among Shorthorns. Next in review came the roan Royal Edward, bred by Mr. Marr, sired by the old Cruickshank bull, Wanderer, and a Missie on the dam's side. Royal Edward is a bull much the same style as Alastair, being a year younger, but does not attract the fancy so much as his older companion.

It has been said that it takes every kind of people to make a world. It might in some respects be true to say that it takes every kind of a bull to make herd headers. This is true, undoubtedly, so far as color is concerned. At Collynie we find two reds, one white, and three roans; outside of type altogether this is necessary, as the great demand is for roans, and to produce that color a red cow must be mated to a white bull, and a red bull bred to white or certain roan cows. Mr. Duthie is voucher for the statement that this color problem is hard to understand, and no one has yet found the secret of it. For instance, breeding two dark roans together is far more apt to produce a white offspring than two light roan matings. The fourth bull we were privileged to see was the white Scottish Fancy. The white is so unpopular on this side the Atlantic it is a little refreshing to see not a few in the herds of most breeders in the Old Land, Mr. Duthie not excepted. Scottish Fancy was bred by Mr. Marr, and is from the Roan Lady family on the dam's side. Next came the rich roan Bapton Champion, of the Cruickshank C. family; he was bred by Mr. Deane Willis, and sired by the great white bull Silver Plate, now in the herd of King Edward VII. He is a bull of great length and depth, deep in his quarters, and true in all his lines. The last on the list was Nonpareil Courtier, a dark red, also bred by Deane Willis. He is a first-class bull, but it seems from the opinion of most good breeders in Britain, and from my own observation likewise, that it is impossible to get a red to compare with a roan, everything else being equal. They lack those fine handling qualities and covering of silky hair so familiar to the sappy roans.

### THE FEMALES AT COLLYNIE AND TILLYCAIRN.

To try and describe all the females at Collynie would be a herculean task, and so I shall confine myself to a few outstanding ones that call for special remark, and an impression of the females generally. Among both Mr. Duthie's and Mr. Marr's there is a uniformity of type and quality, and a great strength in important points not seen in any other herd I ever visited. If I were asked to name the strong points possessed in common by both herds, I would say that it is their great barrel-shaped bodies and wide chests, indicating great lung power. Their great outstanding strength in beef points lies in what they carry over the roasts and well down on the ribs. I never saw females with such a thickness of flesh down over their ribs as possessed by these two herds.

At Tillycairn about one-third of the females are kept. In stable No. 1 we first noticed the cow Rosetta 6th, of the Rosetta tribe. This tribe is of the same foundation as the Uppermill Roan Lady tribe; Rosetta 6th is the dam of the \$1,250 bull at the annual sale three years ago. She is a great cow in many respects, her spring of rib and the flesh she carries down over them is remarkable. In the same stable we noticed the roan Violet cow, of the same foundation as the Lovat Broadhooks tribe. At the rear of the cows in this stable was a pen of eight calves, all young, some of them recently dropped. One calf, a red, specially attracted our attention, as being a type altogether different from the others. The calf stood far from the ground, and lacked the depth of body of its companions. Being anxious to get at the root of the problem, we asked to see its dam, and found her a real Cruickshank in type, and on a par with others around her as to merit. Mr. Webster explained the secret. The dam was a Bates and Cruickshank combination, but her Bates breeding was away back, and he explained how it was apt to show itself in stock more or less bred in this way. I considered it a grand object lesson, both in regard to pedigree and combination. It showed that the blood in an animal's veins, even of very remote ancestors, is apt at any time to show in the progeny. Now, I have no quarrel with the Bates nor Booth fanciers, but this combination breeding undoubtedly produces more culls than straight Cruickshank breeding. This has impressed itself on my mind in attending the bull sales more than anywhere else, and where Bates or Booth breeding showed itself the animal suffered in price accordingly.

In stable No. 2 we noted specially a red of the Mysie tribe, one of the oldest tribes in Aberdeenshire. Next, a dark roan, of the Golden Drop tribe; this cow is the dam of Mr. Cargill's Golden Drop Victor. Another grand cow in this stable was Village Maid, dam of Mr. Edwards' Village Champion; also the bull purchased by Prof. Curtiss, for the Iowa College. She is of the same tribe that produced Brave Archer, Scottish Crown, and many other good ones.

In stable No. 3 the yearling heifers held sway, and as I said before were only an ordinary lot to look at, and giving little indication of what some of them will prove ultimately. To particularize a few, we might mention we noticed a roan Mysie, a Scottish Fancy; again, another roan Mysie, sire Caledon Chief; a Golden Drop Victor; a roan Caledon Chief; a red Lovat Champion; a nice roan by Bapton Diamond, the bull purchased at a long price by Mr. Hanna, for his Cottage Hill farm, Ravena.

### AT COLLYNIE.

In stable No. 1 at Collynie, we noted first the roan Maiden, of the Roan Lady family, a great cow with remarkable spring of rib. Another cow worthy of special mention in this stable was a dark roan, of the Lovely tribe; this is one of the early tribes owned by Mr. Duthie's father. She is a great broad and smooth cow, carrying a wealth of flesh. Next in order, a roan Mistletoe, out of the same dam as the champion Marengo. The next calling for special attention is the light roan Mistletoe 8th, eight years old, sire Pride of Morning, dam Mademoiselle 6th, by Field Marshal. This cow is of the same foundation, on the dam's side, as the Missie tribe. She is from the same cow as Merry Hampton, Mr. Dustin's well-known bull, considered by common consent the best bull in the United States at the present day. This cow will, I am sure, to everyone who sees her, be considered the Queen of the Shorthorns at the present time, both by her breeding and individual excellence. For my part, I never looked upon a cow that approached nearer perfection than this. She is as nearly perfect as we can ever hope to attain. When we look at her breeding, we see in her veins the blood of such monarchs in the Shorthorn world as Field Marshal, Pride of Morning, Merry Hampton, and many others. Field Marshal was, undoubtedly, the greatest breeding bull in recent Shorthorn history. Mr. Duthie has received many tempting offers for this cow, but has hitherto refused to part with her. Another cow of note in this stable is Rose of Sittyton, of the Cruickshank C. tribe. She is roan in color, and a great breeder, being the dam of the \$3,000 bull at the annual sale in 1901. Next in order is Mistletoe, a red cow, dam of Mr. Hanna's stock bull, Silver Mist, sire Silver Plate. Mistletoe was sired by Scottish Archer. She is a great fleshy cow, with remarkable spring of rib. In a stable of two-year-old heifers we noticed some fine specimens, the red color predominating. Among the lot we noticed a sister to Marengo, a roan; dam Beaufort Beauty. Others were Mistletoe and Red Rosetta, a roan with calf at foot of the Sittyton Crocus tribe. Having found that we had exhausted the list at this stable, we departed, sorry to leave what proved to be such fine sights to a lover of the red, white and roans.

### AT UPPERMILL.

We were unfortunate in having too little time at our disposal to go into the Uppermill herd properly, and had to content ourselves with a

hurried run through the females. All through the cows were on a par with those at Collynie, excepting that they hardly carried so much flesh as Mr. Duthie's. Every one appeared to be a regular breeder, and none were receiving any undue pampering. All, however, were getting their full share of "neeps," oat straw, etc. Our remarks on the Collynie herd generally will apply to the females at Uppermill. There are not a few of special note, as for instance the famous Missie family, so much sought after at the present time, and which tribe furnished the \$6,000 cow at Chicago two years ago. Of this tribe in the herd we saw some fine specimens.

We had the pleasure of a good look at the stock bulls, as well as the two highest priced ones at last autumn's sale, purchased for the Argentine, and not as yet shipped, having to wait until the ports were open. The first of these two bulls drawn out for inspection was Royal Diamond, a roan, bought by Mr. McLennan for a customer in South America; he paid for him in October last, \$1,600; and the second, His Majesty, another roan, purchased by Geo. Roger Bridge-lands, also for a South American customer, at \$1,500. These two bulls, taken all over, are two wonderful productions of the breeder's art; of the two, I consider the cheaper bull the best, as he looks like developing into something extra good. Considering the prices prevalent at Perth and other sales, I consider these two bulls cheaper than anything I saw brought under the hammer, quality considered. Mr. Marr draws for his supply of stock bulls entirely upon Mr. J. Deane Willis, of Bapton Manor. There are four stock bulls in all, three roans and one red, and all of outstanding merit. The red yearling, Bapton Sapphire, had lately been added to the herd; he was sired by Bapton Diamond; he is a rare good animal, a good handler, and true in all his lines. Next in order came Bapton Pilate, sired by a Lovat bull; a roan, rising three years old, and a bull of great style and perfect type.

JOHN GRAHAM.

#### Goitre or Bronchocele in Lambs.

Considerable loss from goitre or bronchocele in lambs is reported this spring by sheepmen in different parts of Manitoba and the West. This affection consists of hypertrophy or cystic, fibroid or fibro-cystic enlargement of the thyroid gland or glands. On lambs it frequently appears as an endemic congenital disease, which usually terminates fatally. It chiefly occurs among the progeny of ewes that have become debilitated through being kept during the winter in dirty, badly ventilated quarters, and have been insufficiently fed. The disease appears to be dependent upon some undiscovered specific poison; but close observation has revealed that its development is much favored by external conditions, i.e., feeding on pastures which lie on magnesian limestone, and drinking the water which has percolated through that substance; exhaustion from overwork; insufficient exercise; impure air; improper food; starvation; or any other cause which tends to vitiate the blood and debilitate the system. Prof. Law says that in the State of New York, "the newborn offspring of ewes kept in close confinement during the winter may be all goitrous, while those of flocks having a free run through the whole season escape." The writer can corroborate the above testimony respecting the same conditions in other localities far distant from New York.

With reference to the treatment of goitre in newborn lambs, the familiar axiom, "An ounce of prevention is worth a pound of cure," seems to be peculiarly appropriate. Asphyxia from pressure of the enlarged glands on the larynx or trachea is the cause of death in lambs, and the patients being so young and frail, the necessary semi-heroic treatment, which consists in puncturing the gland, aspirating the contained fluid and injecting the cavity with a solution of iodine, does not prove very successful. The glands should be painted with tincture of iodine once every alternate day, and small doses of iodide of potassium given internally. The treatment of these cases should be under the personal supervision of an experienced veterinarian. As indicated above, the removal of the chief exciting cause, viz., the close confinement of pregnant ewes during the winter in badly ventilated houses, will materially prevent the occurrence of the disease in question among their offspring.

#### Rangers at Chicago.

In the live-stock report, the inspector of brands for the Wyoming, Western, South Dakota and Nebraska Stock Associations furnishes the comparative net average price for stray steers and cows for the past eight years. From July 1st to August 20th, 1902, the South Dakota estrays netted \$78 per head. September 20th they had fallen to \$47.38 per head, and at the end of the season to \$44.95, with the quality fully as good as that of the early arrivals. The total number of cattle inspected reached the enormous total of 350,000. Of these 15,648 were estrays, for which \$68,831.48 was sent to the secretaries of the several associations, to be distributed through the official channels to persons entitled to the same.

#### The Future of Ranching in the West.

There are few people but realize that with the phenomenal influx of immigration into the Northwest Territories there will have to be some radical adjustments and changes in its industries. This may be described in a general way as superimposing of modern intensive industrialism over old-time, simple and primitive conditions. It means the intensifying of human energy to the end of providing the means of subsistence, or of a

lute proprietorship in lands is the only means by which the industry of ranching can be put on a permanent and stable basis. Owing to the somewhat anomalous position in which the Government stands in exacting the same price for lands whether they be arable or dry, or in giving only one hundred and sixty acres of homestead, whether arable or dry (they do not now sell at all), the small man cannot buy sufficient land to carry cattle enough to support him properly, and the capitalist in this case has the advantage. So

we find that the number of large ranches is on the increase, rather than decrease, but they are chiefly proprietary ranches. We need only call attention to the names of Knight, McIntyre, Cresswell & Day, Preuit, the Cochranes and others, to illustrate this.

It is not necessary that either the large or small men should suffer. As a matter of fact they are not suffering. Their methods, however, are being changed, and the change is in the direction of a gain rather than a loss. The old-timer who is not a rustler, however, has to go. There is a

frontier tradition among some of the real old cow-punchers that it is infra dig to do chores. These are such fellows as the one who was told to go to the river bottom and cut a pole or two, but came back on horseback, as he had gone, saying that the branch 'wouldn't stand, and so he couldn't cut the pole.

The chief change in methods for the rancher is the growing of fodders and hay to supplement the grass of the range. This will be necessary from the close grazing of more cattle making the grass more scant, and from the general need of making owned land yield as heavily as possible to increase the returns from capital invested. More labor will have to be grafted on to the investment. Men who still rely on the open range say already that their cattle do not now come off in as good finish or as heavy as they formerly did when there was wider choice of grasses and more water available. It might be said that the changes foreshadowed have already come, for it would be scarcely possible to find a rancher who intends to stay with the business who has not every year large stacks of hay or green food put up for inclement seasons at least. Nearly every man keeps up his weaners, his bulls, especially if they are Eastern ones, and such other cattle of different ages as show any signs of weakness. The feeding of these may amount to only one feed a day, the greater part of their support being from grazing in fenced home pastures, or it may be their whole support. It has been demonstrated by experience that the country hitherto considered wholly arid and unproductive, especially by the old-timer, has possibilities for cultivation that make it a valuable help to the rancher. In nearly every river bottom good crops of tame hay and oats can be grown. In some places irrigation of meadows is possible at small cost.

There are manifest advantages arising from the new methods. The enclosing of cattle, provided they can get sufficient feed, is a gain in itself. It is well known by both cattlemen and sheepmen who have had experience in both intensive feeding and range pursuits, that the traveling of cattle and sheep is one of the chief causes for lightness and deterioration in size. The range beast, in both cattle and sheep, has "too many



READY TO LOAD UP AT THE BARR COLONY, SASKATOON.

competence, and at the same time the development of the potentialities of the country, by increasing many fold its productivity.

The characteristic industry of the Territories, or, at least, of a great part of the Territories, has been up to the present ranching. This is a primitive, pastoral pursuit, and it has been followed in a rather simple and primitive way. The public domain has been a species of No-Man's-Land; the cattle have been run everywhere, without let or hindrance, subject to yielding large returns in favorable seasons and small ones when the contrary has been the case. The increase of settlers of small means to take a share of the industry's profits has led to the necessity of a definition of rights. The "nesters," as they are sometimes called, have not been favorably looked upon by the men who have been long enough in the business to have large herds and who are popularly spoken of as the big outfits. Every new settler, of course, with a few cattle lessens the total of free domain available. They are inconvenient in another way. They usually settle on a river bottom, where the approach to water is easy and favorable, and their presence is a drawback to the cattle on the bench above, for they either fence off their homestead, or part of it, or drive away range cattle that have been in the habit of watering at that place. This is a very serious consideration, as the distance cattle have to walk for water is an important factor in their growth. If cattle are to be made large and fat on grass and water alone, they require these in abundance, and in close and easy proximity. On this account it might seem as though the big men had to go, and it is the case that many of the big outfits see before them the prospect of cutting their bands in two on account of the limitation of the range, and certainly this will be a necessity for those who are simply poachers on the public domain and do not control in some kind of proprietorship the land necessary to support their cattle.

It really, however, is neither a fact nor a necessity. On the contrary, it is the case that the big fellows are getting more numerous than ever, and their enterprises stand out in greater prominence. This arises from the fact that abso-



A MAPLE CREEK SHEEP RANCH.

The property of E. E. Baynton, six miles south of Maple Creek, Assa. Photographed Feb. 20th, 1903.

legs"; the animal on the cultivated farm develops short legs and a heavy carcass. The walking will be reduced both with respect to getting feed and with respect to getting water, and, as has already been pointed out, the long distances that cattle back on the bench have to walk for water keeps them poor.

A second important gain will be with respect to breeding. When a man has his stock within his own fence, he can save them from the injury of being bred to scrub sires, and the scrub sire is the active one, whether in grade bull or Indian cayuse, and gets most of the females. On both sides then—that of feeding and that of breeding—the gain to the ranching business and to the country is to be enhanced by the change that is overtaking the business. The total output will be increased and the quality will be improved. The dogie business is not a temporary feature, for stupid and mulish and awkward as the dogie may be dubbed by the traditional cow-puncher, he is a good spec., and can be turned into good dollars by the more careful methods that are going to make all kinds of ranch enterprise solid and safe. It is only natural to look for an increase in labor in the business. Increased labor and increased art are indissociably connected with the progress of any business. There must come not only increased labor, but increased knowledge, knowledge connected with feeding and the properties of foods, connected with cultivation, with breeding, and, perhaps, with disease. The *laissez faire* system develops hardiness and good constitution in stock, for it is the survival of the fittest, and bringing stock under the hand of man invariably develops some weaknesses.

J. McCAIG.

#### Stock Judging Competitions.

Directors in charge, Messrs. Andrew Graham, Chester Thompson, R. I. M. Power, and G. H. Greig.

1. Competition restricted to farmers, or farmers' sons not over 25 years of age, resident in Canada.

2. Judging to be done by score-card or otherwise, together with such written explanations as may be required by the official judges.

3. Competitors will be judged on the following basis: Correct placing, 45 points; reasons for placing, 40 points; style of doing work, 10 points; time occupied in judging, 5 points; total 100 points.

Class 41.—To take place in the stock-judging pavilion, on Thursday, July 23rd, at 9.30 a.m.:

	1st	2nd	3rd
Sec. A.—Judging heavy horses.....	\$10	\$8	\$5
Sec. B.—Judging beef cattle.....	10	8	5
Sec. C.—Judging dairy cattle.....	10	8	5
Sec. D.—Judging mutton sheep.....	8	5	2
Sec. E.—Judging bacon swine.....	10	8	5
Sec. F.—Sweepstakes for the farmer or farmer's son making the highest total score in the above sections.....	Gold Medal		

Donated by the "Farmer's Advocate."

#### Feeding Experiments.

For several years the Central Experimental Farm at Ottawa has been conducting experiments in the feeding of high grade steers to determine the relative cost of meat from feeding light and fairly heavy meal rations. The calves are taken as soon as a few weeks old and separated into two even lots. The difference in their feeding commences from the first, and is continued during the entire time of their growing and fattening periods, except that for the last three or four months, the finishing stage, the meal ration is increased for the light ration lot. As several of these experiments necessarily run concurrently, the animals can be seen in several stages of growth. In every case those getting a liberal supply of grain are healthier looking, and are more thrifty, and quite prepare a person for the result of the whole test, one of which has just been completed. The steers on the heavier grain ration made their growth about half a cent a pound cheaper, and when finished were worth fully a cent a pound more than those on the light ration. The whole is an excellent object lesson in favor of liberal feeding from birth to maturity, and one seeing it cannot help being impressed with the fact. It helps to prove that it is most profitable to keep animals at all ages in a vigorous, growing condition, rather than to attempt to hold them over from fall until the following season without gain.

Another experiment with animals loose and tied, gives results considerably in favor of loose feeding. Such an experiment, however, must be conducted a number of times before the results become valuable, and after all a feeder must be guided largely by his own conditions, which almost always differ somewhat from those of experiment stations.

In order to determine the best proportion of green feed and grain to be fed hogs for the most profitable returns, an experiment on quite an extensive scale is just being started. As the hogs have been out but a week or two, and have not yet got accustomed to their quarters, it is too early to expect results, which should be interesting information.

#### Angora Goats.

In response to enquiries regarding Angora goats, we publish herewith a synopsis of a lengthy article which recently appeared in "Wool Markets and Sheep":

The Angora goat loves and thrives best in dry, rough, hilly country, with plenty of brush, and the more variety of vegetation the better. They will live on, perhaps, the nearest to nothing of any domestic animal in existence, but under such conditions they will not thrive or grow a full growth of mohair. On 160 acres of scrubby and weedy land, 160 goats will do well, but on open prairie sheep will be found more profitable. The Angora goat likes leaves of young shrubs, preferring such food to herbs, although almost all is grist that comes to his mill. Some kinds of weeds they pick up with special relish, but there are some varieties which they do not favor. Amongst these are the black persimmon and the pecan.

The goats should be shorn twice a year, in March and September, and each well-conditioned goat will produce about three pounds at each clipping.

The bucks should be turned with the does on the 20th of October. The kids will begin to drop about the 20th of March, and spring shearing should be completed before kidding commences. Twins are rare in an Angora flock.

The function of kidding is not more troublesome than lambing is with sheep. The pregnant goats should be put on fresh pasture, and a day after they kid they may be brought back to the main flock. The kids should be allowed to go with the mothers only at night, when they can get all the milk they require. When about ten days old they should be placed in a separate pasture field, where they will soon learn to eat grass.

To train the goats to come home at sundown, they should be driven slowly and gently home for a few evenings, to a large clean pen, where a few salt licks have been previously laid. The mothers will fight to the death to protect their young, and unless several wolves attack them at once they are generally successful.

The matter of fencing is a difficult and rather expensive one. Not less than six barbed wires, drawn very tight, with the posts not far apart, will hold them in, and where wolves have to be kept out ten wires are necessary.

Goat meat is considered a great delicacy, and those accustomed to using it prefer it to mutton. Only in wet, cold weather, do they require shelter, but then they should be protected by a thoroughly rain-proof roof. Only in cases of severe snow or sleet storms do they require hand feeding, when corn and cottonseed will be found to be the best feed. Disease among Angora goats is practically unknown.

#### Type in Judging.

The judges selected by Fair Associations to award the prizes for the various breeds of live stock are, of course, expected to do so on the basis of individual excellence and conformity to approved breed type. They are supposed, by their awards, to set the standard of type and quality, and it follows that much care and discrimination should be exercised in the selection of judges who have had considerable experience in handling the class of stock they are appointed to pass judgment upon, and who are known to be up-to-date in their conceptions of what is ideal conformation, type and quality in the class, and of its suitability for the improvement of the breed. While desirable type may to a considerable extent be capable of description in words, there are some features of character in breeding stock that cannot be so described that the inexperienced can readily comprehend them. Yet the men who have bred and handled first-class stock, and with their eyes and ears open have associated with experienced breeders, and for years have closely watched the judging in the ring at leading shows, become tolerably well agreed as to the ideal or representative type of the breed with which they are conversant, or in which they are especially interested.

Judges are properly expected to show consistency in their placing of the competing animals in any class, and in so far as the material before them admits should keep this point in view, but in this regard fault is sometimes found by on-lookers with a judge for what appears a want of consistency, when in reality the fault is in the material and not in the judge. If there are not a sufficient number of good animals of the approved type to fill the prize list, the judge is surely justified in placing a good one of a different type ahead of an inferior one of the desirable type, even at the risk of a lack of uniformity in the winning list. Ringside observers may, therefore, well exercise a reasonable amount of charity in their criticism, since the judge being in closer touch with the competing animals, and not being his responsibility, is likely to have good reasons for his ratings, which, if reported to, afforded, he could probably explain to the satisfaction of reasonable people. An animal of a fine type in

most points to the desirable type, may have some unsoundness or some outstanding defects, such as a decided lack of the indications of a vigorous constitution, or of the subtle, indescribable something, known as character, that indicates a notable, impressive sire or a matronly mother, and which, in the judge's opinion, seriously discounts its value from the standpoint of a breeder, and justifies him in giving it a lower place in the list than those not having the intuitions of a close judge might consider it entitled to.

The difficulty of securing uniformity or apparent consistency in the character of the prize animals, even when good material is plentiful, is increased where more than one judge officiates, as there is generally the possibility that they may differ to some extent in their views as to ideal type, and in that case there must of necessity be present to some extent the element of compromise, if awards are made throughout without the services of a referee being required, and since it is pleasanter to work together agreeably, it follows that in practice, where two are bracketed, they almost invariably manage to make their awards unanimous, and the question whether either one of them acting singly would have made the same rating remains unsolved. For this reason, if for no other, there is strong ground for a preference for the single judge system, where competent men can be secured, but there is yet, we concede, a good deal of difference of opinion as to the best composition of the bench, and a good deal of hesitancy to accept the single judge system, although it is growing in favor both in America and Great Britain. It is highly improbable that the point will ever be reached when either one or two or more judges will succeed in satisfying all exhibitors, and the best that can be done, under any circumstances, is to choose men who have a good knowledge of the stock they are required to adjudicate upon, who are up-to-date in their ideas, and are known to be disposed to do right.

#### Brandon Steer Feeding Experiment.

FODDER CORN COMPARED WITH BROME HAY AS A CATTLE FEED.

Of the ten steers selected for this test, two were Aberdeen-Angus grades and the balance Shorthorn grades; all were two and one-half years old when the test began.

After two weeks of preparatory feeding, they were divided into two groups, as nearly uniform as possible. One of the groups of five were fed on the following daily rations:

Fodder corn .....	20 lbs.
Turnips .....	10 lbs.
Mixed grain chop .....	6 to 70 lbs.
Bran .....	5 lbs.

The other group of five animals were fed on the same rations, with the exception that Brome grass hay was substituted for fodder corn. The Brome was well cured, quite bright and free from dust. The fodder corn was Pearce's Prolific, cut in the early milk stage and cured in stooks in the field, and hauled in and cut into one-inch lengths as required.

#### RESULTS.

The group fed on fodder corn made a gain of 1,010 pounds in the 16 weeks, and the group fed on Brome hay gained only 935 pounds. A difference of 75 pounds in favor of the corn-fed steers. One of the steers fed on corn suffered somewhat from cow-pox, otherwise the difference would have been greater.

#### Uncommon Lambs.

Mr. Alex. Gamley, well known to many of our readers as a breeder of Leicester sheep, lives a few miles from Brandon. Recently, like many of his brother farmers, he hired an Englishman to help him on the farm, and towards evening Mr. Gamley, after pointing where the sheep were feeding and showing his young helper their quarters for the night, told him to house them and then come in for supper. Mr. Gamley, who, by the way, is a bachelor, went to prepare the evening meal, and when it was ready he looked out to see what was detaining his hired man, but, as he could not see him, concluded to begin his supper, expecting his companion to arrive at any moment. Mr. Gamley got through eating, and still no Englishman appeared, so he put on his hat and went out to see what was the cause of the delay. Before he reached the stable he met his hired man, hat in hand, coat over his arm, perspiring freely and breathing these long, deep breaths which only come through extra exertion of some kind. "Did you have any trouble with the sheep?" asked Mr. Gamley. To which the reply came, "No, not with the sheep, but I had an awful time to catch them." "The lambs!" exclaimed Mr. Gamley, in surprise. "Why, there won't be any for nearly a month yet, but you are mistaken," said the Englishman, "there are eleven, and I had an awful time to catch them." With that Mr. Gamley hurried out to see the true facts, and when he looked into the pen, to his astonishment, eleven jack rabbits had been penned up with his sheep.



"TROUBLE IN THE AIR."  
Colonists at Saskatoon demanding their baggage. Rev. Mr. Barr addresses them.

*Farm.*

**Green Manuring vs. Bare Fallow.**

There will be no bare summer-fallow at the Brandon Experimental Farm this year. The portion, some 18 acres, that customarily would have been fallowed, this year will, instead, be sown with peas, which will be plowed under as they come out in bloom. This plan will enrich the soil, for the leguminous family of which the pea is a member is noted for its power of adding nitrogen to the soil, especially when turned under as green manure. Weeds can be killed by this means almost if not quite as well as in the bare fallow, for extra cultivation can be given ere the crop is sown, there being no need to rush it in early; then the plowing when in bloom prevents the maturing of weed seeds, and the long fall after gives a splendid opportunity of killing any fresh supply of weeds that will start to grow. Another advantage, the growing crop uses much of the plant food that would otherwise be wasted through nitrification during the hot months, and this is all returned to the soil when the plants are plowed under. A growing crop through shading the soil generally prevents it from baking to the same extent that it otherwise would, so that the mechanical condition of tilth is improved, which is another strong feature in favor of green manuring versus bare fallow. The amount of water which the growing crop has drawn from the soil up to time of blossom rarely surpasses the amount which would have evaporated had the land been left bare, for the shade the crop gives largely counterbalances the amount required to build up its tissue.

**Prairie Breaking.**

Ere this article appears, spring plowing and seeding will be completed on most farms, and where breaking is to be done, preparations will be under way for commencing this initiatory part of farm cultivation. When open, clean prairie is to be broken, it can be done with almost as little expense as plowing stubble. Such land should be plowed as lightly as possible, and the furrows not more than ten to twelve inches wide. The best plow for this kind of breaking is a long-handled, mould-board plow, with straight coulter fixed to the share, as with an ordinary breaking plow. Such a plow is easier in draft and lighter to handle than the breaker, and in such land is sufficiently heavy and stable to do all that will be required of it. In fact, such land is often broken with a double gang plow and backset with an ordinary walking plow. In backsetting, a fair amount of fresh mould should be turned over with the sod, from five to six inches deep. The sod should be in a forward condition of decay, and the combination of sod and mould will make a splendid surface seed-bed, needing only the disk and tine harrows to make it ready for seeding in early spring. Breaking tough, weedy prairie or scrubby land is a job of more magnitude, requiring a heavier plow and a deeper furrow. When the scrub is heavy it should be cut down with the axe and

burnt before the plow reaches it. Willow and poplar bluffs should be rooted out with a team and logging chain. This will be found to be a more expeditious and thorough method than plowing up the solid roots, for pulling out leaves the roots broken, making it comparatively an easy matter for the plow to get through them. In plowing such land we must give up all idea of backsetting, for to get below the scrub roots we must at least plow six inches deep, and in some cases it will be found necessary to plow a good deal deeper. To hold down the standing scrub while the furrow is being turned, a logging chain with a heavy weight attached will be found highly serviceable.

Breaking rough land should be done thoroughly, for it is much easier to plow out all the roots with the heavy breaking plow than to encounter even an occasional one afterwards, when armed only with the gang or walking plow. JOHN McBEAN.

**Sow Some Rape.**

It will pay every farmer in Manitoba and the Territories who keeps sheep or hogs, or who intends fattening a bunch of steers next fall, to sow a few acres of rape this summer. Several farmers have already given it a trial, with excellent results, and there is no doubt if its merits were more generally known that it would be better appreciated. At the annual stock-breeders' convention in Winnipeg in February last, Prof. Grisdale said that at the Experimental Farm, Ottawa, it had produced the cheapest bacon of anything they had grown.

For sheep or hogs it is usually pastured in the fall, and when such is desired sowing need not take place until the first week in July, but for summer pasture for hogs the seed may be sown any time in spring, when danger of frost is over, and pastured while young, as it will spring up again when eaten down. Hogs feed principally upon the leaves, while sheep prefer the more mature stalks and fatten rapidly on them.

An ideal seed-bed for rape is one that has been well cultivated the previous summer and is in the best condition for root growing; but most seasons a good crop may be had by the spring preparation of stubble or sod. In both cases the land should be rolled and harrowed immediately after plowing, so that the moisture may be retained. A fair crop may be grown on clean land by sowing broadcast from four to five pounds seed per acre, and covering with a light harrow; but the best crops are grown by sowing in drills, as turnip seed is sown, and cultivated with the horse hoe. When done in this way, one or two pounds of seed per acre is sufficient.

The seed may also be sown in drills on the level, with the grass-seed attachment of the grain drill, by closing part of the openings and sloping the rubber tubes into the shields of two or three of the hoes. The rows in this case will, with the ordinary drill, be only about 21 inches apart, which is too narrow to work a horse hoe to the best advantage, but if worked narrow at first to

keep down weeds until the rape gets a start a good purpose will be served.

**Half-Done Work is Always Wasteful.**

The extravagance and waste of doing work badly are most lamentable. We can never overestimate the value, in a successful life, of an early formed habit of doing everything to a finish, and thus relieving ourselves of the necessity of doing things more than once. Oh, the waste in half-done, careless, patched work!

The extravagance and loss resulting from a slipshod education is almost beyond computation. To be under the necessity, all through one's life, of patching up, of having to do over again, half-done and botched work, is not only a source of terrible waste, but the subsequent loss of self-respect and life is also very great.

There is great economy in putting the highest possible personal investment in everything we do. Any thoroughness of effort which raises personal power to a higher value is a judicious expenditure of individual effort. Do not be afraid to show thoroughness in whatever you undertake. Thoroughness is a great quality when once mastered. It makes all work easier and brings to life more sunshine.—[Success.]

**Our Russian Competitor.**

Correspondents of the "Farmer's Advocate" have raised the question of the ultimate supremacy of Canada or Russia in supplying foods to Great Britain. Any information shedding light on so important a subject is, therefore, of value in these days of hot trade competition. Asiatic Russia or Siberia has been comparatively little known to the general public, except as a land of mysterious dungeons for Nihilists, wolf-hunted sleighs and miscellaneous horrors. John W. Fraser, a trained English journalist, with eyes wide open, gives us a new view in his book, "The Real Siberia," describing honestly what he saw in a leisurely tour through the vast country in 1901. He tersely calls it the Canada of the eastern world.

The construction of the Trans-Siberian Railway, 5,449 miles long, at a cost of some \$400,000,000, has drawn aside the curtain on a country three and a half times as large as all Europe. The first sod was turned in 1891, and in 1900 a million and a half passengers were carried. The original design was military, but immigration, commerce and Siberian development came as an afterthought. Passengers are carried at about a shilling fare per hundred miles. First-class fare on the Siberian Express for the entire journey is just a trifle over £8, and second-class, which is nearly as good, about £5. By boat from London, Eng., to Shanghai takes 36 days, and costs from £68 to £95; but by the Moscow-Vladivostok rail route you can go in 16 days, first-class for £33 10s.; second-class, £21; or third-class, the whole 8,000 miles, for just £13 10s. We presume that freight rates are correspondingly favorable.

Russia is putting forth Herculean efforts to induce immigration. For the first three years no immigrant is called upon to pay taxes. Liberal land grants are made, and additional land can be purchased near the large towns at prices ranging



GETTING READY TO STRIKE CAMP.  
150 miles of trail before the colonists, Saskatoon, Sask.



READING THE "FARMER'S ADVOCATE" AT CAMP FIRE, SASKATOON.

from 10s. to 12s. per square verst (two-thirds of a mile), and at other places for 6s. per verst. From 1893 to 1901 in Western Siberia, 18,900,000 acres of State land were transformed into immigration plots. In cases of need, immigrants get a £10 loan without interest, food at cost, seed for next to nothing, and implements on easy terms.

A few words indicating the area and natural resources of this country will be of interest. Of course, away to the north lies the Arctic ocean area, south of which, stretching across the continent, is a great forest zone, 2,000 miles wide, and still further south the immense agricultural region, thousands of miles eastward from the Ural Mountains to Lake Baikal. It is through this territory that the Trans-Siberian Railway runs. It is a prairie country of deep, rich soil, which reminded Mr. Fraser of Canada and the best portions of the Western States. He regards it as the ultimate feeding ground of the world. There are great stretches of undulating timber areas, and vast tracts of wonderful natural pastures, but poorly stocked as yet. In the City of Omsk he found thirteen firms engaged in the newly-developed Siberian butter trade with England, and operated mostly by Danes. Three years ago only 3,000 buckets, each containing 36 pounds, were shipped to England, but in the summer of 1901 30,000 buckets went per week. The week of Mr. Fraser's visit, five trains loaded exclusively with butter left Omsk for Riga. The pasturage is rich, and the milk of the cows, though miserable looking things, tests 7% fat. The Russian peasant farmer, or "Moudjik," called the cream separator a "devil machine," and smashed it on its first appearance, but is now beginning to see the good of machinery. The Government is spilling money freely in the hope of making Siberia a great wheat-growing country. The beet sugar industry is being fostered, ten times as much being produced in 1900 as in any previous year.

There is coal in abundance, and east of Lake Baikal is another Klondyke or South Africa in mineral wealth.

Looking at such immense natural resources and possibilities, one would naturally fear the outlook of competition—and it cannot be ignored—but there is another side to the question. The territory is sparsely settled, and only about three per cent. of the population, declares Mr. Fraser, can read or write. The Russian is one of the worst farmers on the face of the earth. For centuries a serf, he is without energy and initiative. Left to himself he stagnates, lazy and improvident, caring but for animal satisfaction, enough food for to-day, and a few chickens so that he can get drunk with vodka. Half the population seems to be illiterate, and the other half is so stupid that it is a wonder everywhere else. Mr. Fraser saw a party of four men in a wagon, and a girl, a black speaking girl, who, to waste and energize the land, were engaged in a tremendous undertaking, but were not taking advantage of the country's resources in any way. The Russian will produce the goods cheaply for other people to sell. Along the railway German is the language of commerce. German and United States travellers are driving their business. Wherever Mr. Fraser saw an implement warehouse, he found American or German machinery

there, but none from Britain. The British do not appear to want trade. Baldwin locomotives from Philadelphia were running on the railways, and shiploads of American flour were unloading at Vladivostok. At Omsk a Deering agent told him that in 1888 he sold only 40 machines, but in 1901, 1,500, and in 1902 prepared to bring out 4,000. There were eight American implement manufacturers represented in that city.

Mr. Fraser warns his fellow countrymen to bestir themselves for the Russian trade, and Canada would do well to take a hint from his observations, for a mighty people are there growing in to life. If Canada, with its equal advantages and its intelligent and enterprising agricultural population, cannot more than hold her own in the British markets, it will be because of sheer commercial negligence and an illiberal transportation service.

#### Pink-eye Distemper.

At present "pink-eye" has made its appearance in many places of the West, and is reported to be quite prevalent on the Portage Plains. Diseases of the liver are common with the horse, and it may be interesting to some to know that he possesses no gall-bladder, but simply has a gall-duct, called the hepatic duct, which enters the intestine about six inches from the stomach, so that the gall is emptied into the bowels as fast as secreted.

Hepatitis, or inflammation of the liver, particularly in that form known to horsemen as "pink-eye distemper," rarely exists as a primary affection, but is frequently found as a sympathetic one, and thus the symptoms are more obscure than those of most diseases. By close observation, however, a degree of accuracy can be reached by which the trouble may be known.

The mouth and breath are unduly hot, while the extremities are the reverse. The membrane lining the eyelids becomes highly injected, presenting an orange-red appearance, and the pulse rises, often to more than a hundred beats per minute. Appetite is lost, respiration variable, often distressing, yet at times tranquil; frequently the animal gets up and down, looking wistfully and deplorably at his sides. There is usually much tenderness on the right side and the dung small, hard and generally dark colored. In acute stages the animal often appears bloated. It is generally helpful to blister the sides, and particularly when any trace of tenderness can be found. Injections of castile soap and water should be used occasionally until the bowels are opened. Give every four hours one of the following balls: Of Barbadoes aloes, six drams; calomel, three drams; mix with molasses and divide into twelve parts. Keep the body warm, and in severe cases bandage the legs with flannel; turn into a loose box stall, where the atmosphere is pure. When convalescent, give one of the following balls, night and morning: Sulphate

of iron, two ounces; pulverized gentian root, one and a half ounces; pulverized Jamaica ginger, one ounce; and pulverized anise seed, one ounce; mix with molasses, and divide into sixteen parts.

#### The Co-operative Movement.

Agriculture is a very complex industry. It is troubled by no particular affliction, but by a series of perplexities which some of the wisest heads of our time have unsuccessfully attempted to solve. To say, therefore, that co-operation will afford a solution of the problem is to claim what even the most rabid supporter of combination among farmers would hardly be prepared to admit. In the poorer districts of Ireland co-operation has in many ways proved a saviour to the industry, and put heart and life and flesh on the dry bones of a decaying industry. There we find co-operation at its very best, exercising a beneficent influence on behalf of the smaller holders of the Emerald Isle. In England, however, it must be frankly confessed that the co-operative movement has not taken such a deep root, possibly because it cannot be applied in the same way. It will prove most fruitful of good results if diverted to other channels. What we most require in England, speaking broadly, is combination among farmers themselves; co-operation to buy their necessities cheaper—such, for instance, as manures and feeding stuffs; co-operation to represent their views in an effective form, and combination to make their influence felt in the way of gaining advantage for their industry. Generally speaking, these are the lines upon which co-operation can be most successfully applied to English agriculture. We are not in the same position as either Denmark or Ireland. The co-operative creamery in England would be starved out of existence, for the simple reason that milk-selling to our large towns is a more rent-paying feature of modern agriculture than butter or cheese making; and, further, in summer only in a few districts could the surplus milk keep a creamery in active operation; during the winter months it would be lying idle. From England practically no agricultural product is exported. Its markets are at the farmers' door, and where the individual can excel in the marketing of his produce, he finds it pays him very much better than working through any co-operative agency. This has been proved by experience of the past. The industries which are, relatively speaking, the most powerful are those which are best organized, but it must be distinctly understood that the form of co-operation adopted in one country may be of practically no service in another. Local conditions must decide the issue, and it is eminently desirable that full advantage should be taken of the effort now being made to determine how far co-operation may be applied to local agricultural conditions with a reasonable certainty of success.

At a largely attended meeting on the foregoing subject at Reading, Eng., it was unanimously resolved after a very thorough discussion: "That, in the opinion of this conference, it is desirable in the interests of agriculture to encourage the study and adoption throughout Great Britain of those principles of agricultural co-operation which have been for many years so successfully established in foreign countries, and more recently in Ireland and several parts of England and Wales." —[Farmer and Stockbreeder.



THE "FARMER'S ADVOCATE" TENT AT BARR COLONY, SASKATOON. Manager Capt. W. Wilson Irwin, seated; Jas. Kerwin on right; Jno. McBean in rear; R. Vickery and Jas. Cahby on left.



STILL BY THE OLD FLAG.  
A party of Londoners in Camp Barr, Saskatoon.

### Potato Planting.

Although the potato crop is only a side issue on most of our farms, we cannot well get along without it, and when we go to the trouble of planting we may as well take a little care to ensure a successful crop. Frequently our climate is rather dry, so it is well to prepare for that condition, and to this end land for potatoes is best plowed and manured in the fall; this allows the manure to rot and the soil to settle together. If manure is not applied in the fall or early winter, its benefit to the potato crop will be quite doubtful, unless the rainfall is heavier than in average years. In the spring the land may be cultivated well and the seed dropped in as the land is being plowed. Harrowing frequently until the potatoes are above ground conserves the moisture, and so encourages growth. Seed about the size of a hen's egg will give the best satisfaction, as it is not liable to dry out, and usually produces good sized tubers.

### Dairying.

#### Big Butter-fat Record.

To the Editor "Farmer's Advocate":

Sir,—The Guernsey heifer, Dolly Bloom, No. 12770, A.G.C.C., Adv. R., No. 40, has just completed a most wonderful year's milk and butter-fat record, under the rules and conditions for the Advanced Register of Guernsey Cattle, which requires the supervision of an Agricultural Experiment Station. A representative of the Massachusetts State Station saw and sampled the milk of this cow each month, and reported the results thus obtained. The inspector also reported various weightings of milk as check weights. The owner reported the detailed weights of milk for each day and statement of feed and care. Dolly Bloom calved March 22nd, and started her record March 26th, 1902, when 23 months old, and completed it March 25th, 1903. During this time she gave 8,841.58 pounds milk; 5.13 average per cent. butter-fat; 453.86 pounds butter-fat.

The requirement for the admission of this cow to the Advanced Register was 6,000 pounds milk, and 250.5 pounds butter-fat. The record made is the largest record of a year's production of butter-fat by any two-year-old heifer in the world, that can be found recorded, and at the same time supervised by any representatives of a public institution or an organization.

The following statement from the owner as to the daily feeding of this cow during her record will be of interest:

March, 1902—After calving, her feed for the rest of the month was gradually increased until it reached 5 lbs. shorts, 15 lbs. ensilage, and clover hay ad libitum.

April—6 lbs. shorts, 1½ lbs. old process oil meal, 1½ lbs. gluten, 20 lbs. ensilage, and clover hay ad libitum.

May—Same grain as in April, with the addi-

tion of 1 lb. corn meal, clover hay until the 15th, when she was turned to pasture and fed peas and oats in the barn.

June—Same as May, except green clover in place of the peas and oats.

July, August and September—Same grain, with the omission of the corn meal. Pasture and green clover continued.

October—Same grain. For coarse food in addition to the pasture, millet and a little clover hay was given.

November to March—Same grain, 20 lbs. ensilage, 40 lbs. roots (mixture of 1 lb. carrots to every 2 lbs. mangels), and clover hay ad libitum.

During the summer she was out in pasture until heat of day, and at noon was fed green stuff in the stable. If weather was hot she was turned out at night and stabled in daytime. She had the same care and feed as the other cows of her age in the herd, with regard to general way of handling. She was milked only twice a day, and stood in a standing stall.

Dolly Bloom was bred by Mr. Ezra Michener, of Michener, Pa., and dropped April 14th, 1900. Her sire was Divan 5846, and her dam Questa 11385. Their breeding goes back to such noted animals as Bonny Boy, Fernwood Lily, and Imp.

Pacific. She is owned by Mr. F. Lothrop Ames, of Boston, who takes great pride in his small herd of Guernseys at his beautiful estate, "Langwater," in North Easton, Mass. This heifer bears unquestionable testimony to the capabilities of a Guernsey cow. She is one of forty Guernsey cows that have made official yearly records of butter-fat and been admitted to the Advanced Register; the records varying from 296 lbs. to 602 lbs. (equivalent to 346 and 702 lbs. butter).

WM. H. CALDWELL,

Peterboro, N.H., April, 1903. Secretary.

### Dairy Notes.

#### RELATING TO THE WINNIPEG FAIR OF 1903.

We have just received the circular and prize-list of the Dairy Association, dealing with the creamery competition at the forthcoming Winnipeg Exhibition. There are a few points to which we wish to direct the careful attention of intending exhibitors:

Packages containing butter must not be branded or exhibit any marks before being judged. Scale of points which the judges will use: Flavor, 45; grain, 25; color, 15; salting, 10; finish, 5. The general standard of color will be "June grass butter."

Competitors are advised to use tubs rather than crocks in preparing exhibits, as the former require no crates for shipment, and in disposing of them the loss is not so great. Packages should be covered with burlap, to prevent soiling, as cleanliness is the great and beautiful necessity in butter making and packing; it goes a long way towards winning the prize. Packages should be filled level with the top, and left perfectly plain, and prints should be made without any ornamentation.

In the section for export butter, consignments for competition are due to reach Winnipeg not later than June 16th, and must contain two packages "Creamery," weighing not less than 56 pounds each, and should be addressed to Messrs. R. A. Rodgers & Co., care of Mr. George H. Greig, Secretary Dairy Association. Exhibitors are advised to notify both the above parties when consigning an exhibit. They are also warned to attach a label

with their full address to each package, for identification.

Valuable gold, silver and bronze medals are offered as prizes in the various sections, and also a considerable sum to be awarded in money prizes. A high standard is demanded, for we notice that in the sweepstakes no score below ninety will be considered.

Arrangements have been made with Messrs. R. A. Rodgers & Co. to store the butter in cold-storage during the thirty days prior to the fair. Intending exhibitors should write for information and prize-list to Mr. George H. Greig, Secretary Dairy Association.

### Scours in Calves.

We are in receipt of a letter from one of our subscribers, in which he tells us that he has had continued success in the treatment of scours, even in extreme cases, by getting the calves to drink a quart or two of clean cold water. The remedy has the virtue of being simple, and is not likely to do harm if taken slowly.

### Milking Machine Improvement.

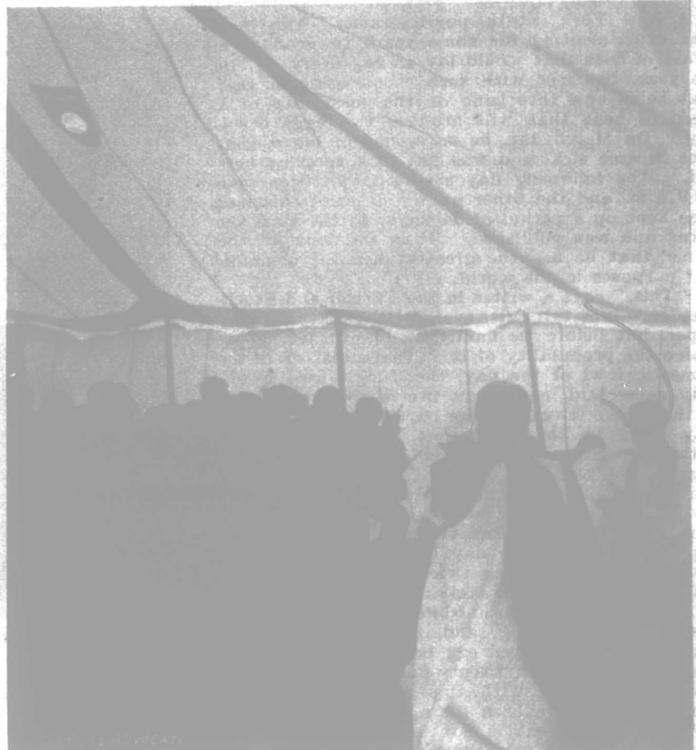
An Australian writer in the Field states Mr. Alex. Gillies, of Terang, has patented an invention of what is claimed to be a perfect milking machine. It, like the Lawrence-Kennedy machine, is worked by vacuum, and the improvement he has effected is in arranging that a slight pressure applied to the milk tube draws the milk rapidly away. It is claimed that the cow is milked quite clean. The machine does two at a time, and about sixteen in an hour.—(Scottish Farmer.)

### Milk Fever Prevention.

On the theory that the remedy for the disease will prevent, Dr. J. H. Irvine writes the Jersey Bulletin: "I have been giving potassium iodide once daily in feed or water for three or four days after the cow freshens. The result of fourteen freshenings, is that every cow has come to her milk properly, and the udder becomes soft and pliable within a week's time. No indurated nor inflamed lacteal glands to contend with. The doses are 10 to 20 grains."

### More Trees.

Arbor Day is essentially an American institution. Its founder was the late ex-Governor of Nebraska, J. Sterling Morton. He felt that the great bare prairie of that State needed the presence of trees to enhance its beauty, and so agitated for a more general planting of trees, and finally succeeded in having a day set apart for this purpose. No one outside influence so much tends to make a place a home as does the plentiful growth of trees. Planting should be encouraged. A few trees set each year in odd corners, where they will afford shelter and ornament, will be a source of gratification for many years to follow.



KNEELING IN PRAYER.

Divine service in the big restaurant tent, Barr Colony, Saskatoon.

## Horticulture and Forestry.

### Brown on Horticulture.

One of the most instructive little booklets to reach our desk for some time is entitled "Horticulture," and is a reprint of a paper read at the Brandon Farmers' Institute by Mr. Harry Brown, Horticulturist at Brandon Experimental Farm. In fourteen pages it contains a wonderful fund of information, including the development and present status of horticulture at Manitoba's noted experiment station. Mr. Brown is to be congratulated for the excellence of this work, a free copy of which may be secured by addressing P. Middleton, Hon. Sec., Horticulture and Forestry Society, Brandon, Man.

### Trees for Wind-breaks.

At the Brandon Experimental Farm last year over 1,000,000 trees were grown from seed. These are being distributed through the country by the forestry department, and when a representative of the "Farmer's Advocate" recently visited the Farm, the forestry department, under the supervision of Mr. A. P. Stevenson, of Nelson, Man., were busy filling orders.

Shrubs and ornamental trees are sent out by the Experimental Farm department.

### Potato Culture.

Should potatoes be hilled or not, is a question often asked by the amateur. The answer depends on conditions. Low ridging I find to be most satisfactory on ordinary soil; just ridging the plants enough to prevent the stalks becoming exposed to the sun, and to keep them from the ground. Continual stirring of the soil between the rows is the secret of the immense yields that have been secured by level culture, for by so doing the moisture is kept from evaporating, and the air entering the spaces between the particles of stirred soils, acts on the compounds containing plant food in the soil, thus liberating the elements that are to a great extent unavailable. Holding the moisture in the soil and the prevention, not the killing of weeds, is the main thing in potato growing. Whether it is advisable to hill or ridge is a secondary consideration, the answer to which depends on conditions. Some people half prepare the soil before planting, and try to finish it while the crops are growing. The successful grower gets the soil into the best possible condition of texture and fertility beforehand, and then tries to maintain the soil in that condition throughout the growing season.

E. MACKINLAY.

## Poultry.

### Two Eggs Per Day.

A New York State poultry-raiser, who has been experimenting for some years to produce a strain of hens that would lay an egg every day in the year, has met with such encouraging success that he is now theorizing on the possibility of a breed of hens that will produce two eggs every day. On March 1st, he says, one of his special hens became sick, and was put in a coop by herself. The following day she laid two eggs, one at 9 a.m. and the other at 4 p.m., and this had been kept up a period of 34 days, to the time the paragraph was published. It is the belief of the owner that he has the greatest hen for commercial purposes in the world.

"This," says a writer in the Farmer and Stock-breeder, "is a tall tale, even for a Yankee Sunday paper, but before we finally dismiss it let us examine the probability of it. The ancestors of the domestic fowl of the day, the Jungle fowl, probably never laid more than twelve to twenty eggs in the year. Even now we have hens laying under fifty eggs in the year, but there are various authentic instances of individual hens laying 300 eggs in the year and over. Considering how far the hen has been educated into laying early and laying well, there is no reason why she should stop at this total. But two eggs a day, and for a period of thirty-four days! The most common reason for a hen laying twice in one day is that a fright or some cause makes her retain a perfectly shelled egg, and meanwhile the egg next it in the ovary is growing, and is produced a few hours after the delayed egg before it. As a general rule, more than twenty-four hours elapse between two eggs. With this particular hen the growth must have been more than twice as fast as usual. The feat is not impossible, but it is very improbable, and though one cannot believe the tale of the Jungle fowl, evolution has done so much for the domestic fowl that one can say at what point a given possibility is reached."

### Rearing of Incubator Chickens.

It was suggested to me to write a few lines on my method of raising early chickens. I have an outdoor brooder, which cost me \$20, express included. In March I had both the incubator and brooder in a sitting-room which we do not use in winter. I put the brooder on the gravel, in the front of the house, early this month; so that the little chickens are quite a distance away from the hens, and I have not started my flower



RAILWAY AND GOVERNMENT OFFICIALS IN BARR COLONY.

1. C. W. Speers, special immigration agent; 2. T. Dillinger, Supt. West Div. C. P. R. at Regina; 3. Geo. Langley, land agent, Battleford.

garden yet. For the first hatch I bedded the brooder with lawn clippings, from last summer, and most of the chickens suffered from indigestion; for the second hatch I bedded with sand, and clippings on top, and not one chick was similarly affected. From the day they go into the brooder I feed "johnnycake," made of four parts Indian meal, two parts bran, two parts provender or shorts, one part white flour, one part bone meal; in the early spring, not later, large handful of salt; tablespoonful of soda; mix stiff with buttermilk, and bake three hours in a paper-lined meat pan. I soak the crust of the cake in cold water. My March hatch had slices of raw mangels and potatoes, cut lengthwise and chopped crisscross from one end to the other, and it gave them plenty of exercise trying to pull the pieces apart, which they thoroughly enjoyed, and I always tried to give them two or three whole boiled potatoes after dinner to pick at. Every warm, sunny day, I carried the chickens to



BARR COLONISTS HAPPY AND HOPEFUL.  
The younger element will soon learn to love Canada.

a sheltered corner of the garden. At three weeks old they had to go to an amateur brooder in the henhouse, and now, at six weeks old, they are being promoted to the roosts; we were obliged to make a step-ladder for them to climb up by. Brooder chickens are wonderfully tame, and follow me wherever I want them to go, and give me very little trouble.

TRIX.

### Raising Ducks.

Although May is the best month in the year to have ducks or chickens hatch, the hatching of duck eggs may be continued on into June with good results. Ducks are a fast-maturing class of fowl, and do not need an early start to make them ready for the table at Thanksgiving or Christmas. In fact, if it were not for the fact that they forage most of their living, the expense of keeping them from maturity until the market requires them would far exceed their value. The market for ducks, and for all other poultry, promises to be active for some time yet, and for this reason all the eggs available should be set, even though it be late in the season. Ponds or streams are not essential to duck-raising; all the water that is required is plenty for drinking purposes, and it should be clean, as dirty water is liable to cause digestive troubles. If fed lavishly, there is little profit in duck raising, but when they are compelled to forage, there is something to be made from them. See that there is sufficient to supply the demand when owing to prosperous times people begin calling for more fowl.

### Henhouse Cleaning.

When the back yard has had its annual spring cleaning and everything about the building begins to take on a new appearance before entering upon the long hot days of summer, it is a good plan to devote a little attention to the inside of the henhouse. They all need an annual cleaning; some need more light. Cleanliness and sunshine are the best and cheapest disinfectants one can employ. It might pay to put another window or two in the sunny side of the house, but by all means give it a good coat of whitewash after it has been well cleaned out. A good wash was described in our last issue. The work is facilitated if a spray pump can be employed. Whitewash is death to lice, and fills the small cracks in the walls, thus preventing drafts; besides, there is something about a clean, white henhouse that makes the hens respond and try to do themselves proud. One can also relish an egg that is laid in a clean house better than one that is picked up any old place, or in a dirty corner.

## Apiary.

### To Detect Foul Brood.

BY MORLEY PETTIT.

While those in authority may be doing all in their power to eradicate foul brood, great and valuable assistance can be rendered them by each individual bee-owner throughout the land. Every apiarist can, and should, be his own inspector, if he is willing to "qualify." As it is necessary to have the colonies strong for the main honey-flow, and as the disease in question destroys the young brood, and so cuts off the supply of young bees, it should be detected and checked or cured as early in the season as possible. In colonies where it is far advanced, the symptoms are very evident: weakness of the colony, listlessness of the bees, the repellant odor, the ragged cappings of the brood, the shapeless dead brood, and the general

unprosperous appearance of the combs and the honey, make the diagnosis easy. But if the colony be yet strong, and but slightly affected with the malady, the case is quite different. It will then be necessary to examine minutely a bad case to be able to detect the same symptoms in a much modified form. Take from the center of the brood nest a comb—the newer it is the better—in which there has been brood during the past breeding season. Hold it in strong sunlight, so that the light falls on the lower sides and bottoms of the cells. Examine these carefully, and you see in the lower sides brownish or grayish black scales, nearly as wide as the cells, and reaching nearly to the opening of the cells, with the outer end slightly curled up. These scales are stuck fast, so they cannot be removed. They are the remains of brood destroyed by foul brood, and contain the germs of the disease, which will live in them for years. The bees do not remove them, but will store honey in the cells which they occupy, and this honey, becoming infected, is the

medium by which the disease is fed to healthy larvae. The above test applies where the colonies are being examined early in spring, before there is much brood. Later, we find the dead brood. To be sure such has died of this disease, and from no other cause, insert a toothpick, give it a swirl and draw out, when the decaying mass will string out a half inch or so. This test is sure.

Infected colonies should be plainly marked to distinguish at a glance from the healthy ones, and fed the same evening a quart or so each of medicated syrup, made by mixing one ounce of salicylic acid in sufficient alcohol to dissolve it, in about 25 quarts of thin syrup or honey. This feeding, if continued at intervals, will hold the disease in check until such time as it can be properly treated to effect a cure. The very greatest precaution should be taken to prevent robbing.

**Bees Making Good Progress.**

Mr. J. J. Gunn, of Gonor, reports that his bees came out of the cellar on April 17th in first-class condition, but showing rather more than the average consumption of stores for the winter. The weather since then has been mostly cool and windy, but so far the bees seem to be in good shape and doing well.

**Bees Sales.**

Mr. William Frazer, of Fernton, has sold out his apiary of eighteen colonies and appliances to Mr. J. J. Gunn, of Gonor. Mr. Frazer has kept bees in a small way and with very satisfactory results for the past twelve or fifteen years, but owing to advancing age has decided to go out of the business.

**Teacher and Scholar.**

*The public school, its associations and improvement are subjects of growing interest and vital concern to every farmer's family in the West. We should be pleased to receive concise communications of a helpful and suggestive nature for this department of the "Farmer's Advocate" from those interested.*

**Agricultural Knowledge.**

**A Plea for a More Thorough Method of Instilling its Principles into Our Country Pupils.**

Formerly agricultural education was not so necessary as at the present time. Then the farmer did not have to combat noxious weeds, parasitic diseases or insect pests; he was not brought into keen competition with the whole world. Today no calling requires so much thought as agriculture. Canada is pre-eminently an agricultural country, and if agriculture is to hold the position which its importance indicates, it must receive more attention than it does at the present time in our country schools.

A boy at school cannot be developed into a practical farmer, but he can have his curiosity aroused about the meaning and purpose of everything that the farmer does. At present our school programmes seem to be shaped without consideration of the wants of the farm. Fortunately the more thoughtful and experienced teachers are now turning to nature study as a means of counteracting the cramping effect of a too exclusively bookish education. Agriculture affords the very best kind of nature study, and with a teacher who is thoroughly interested in the progress of agriculture, who has acquired a knowledge of the principles and sciences involved; and the most rational methods of imparting this information, the deepest interest can be aroused. Small children can learn the names and characteristics of the various common birds, insects and smaller animals, and to distinguish between those beneficial and those injurious to agriculture.

The higher forms could deal more with the classification, life history and habits of insects, birds and animals; collection and classification of grains, grasses, weeds; use of sun, air, frost, dew, etc., to the farmer; classification and adaptation of soils, drainage and its uses. The time devoted to flowers, trees and shrubs on the school premises is well spent, and must have a splendid influence in arousing a deep interest in the mind of each pupil, and this changing of the dull, dreary surroundings of many public schools into such bright, cheery, attractive spots, will create in the child a love for rural life and rural pleasure, at the very time when habits are being fixed and occupations chosen.

Seventy-five per cent. of our exports are farm products, produced by men with no special training save the tradition of the past. If schools and colleges gave what is needed by the practical farmer more farmers would be in attendance, a new sentiment in favor of agriculture would be created, and the very erroneous conceptions which the public now entertain of agriculture would be removed.

There are those who think that the way of a man's genius is hedged in on the farm; that

there is no opportunity for him to make a name for himself; that if he must gain riches and honor he must seek more congenial occupations. If this view were entertained by those who are strangers to the farm, it would not matter, but when this heresy finds its way into the firesides of Canadian homes and makes the sons and daughters tired of their rural surroundings, it is time for the public school teacher, who, in most



**A MORNING BAG AT CAMP BARR,**  
Saskatoon.

instances, is herself a farmer's daughter, to speak out and do her part in creating a sentiment in favor of agriculture, and showing the boys and girls what they have in prospect when they turn their backs upon the homes of their youth. It is time that other callings and professions were known to the farmer's boy in their true light, and that he realized that the industrious, thoughtful, honest farmer stands a far better chance of success than his seemingly more fortunate countryman in the city. If the public schools do their part in arousing in the minds of the pupils a noble ambition to become progressive and successful agriculturists, they will do a great deal toward counteracting the cityward trend of the rural population, and will have led Canadians to realize that the farmer is one of the most valuable citizens of the British Empire, a man to be respected, appreciated and honored by every member of the community. Until this takes place, the agriculturist will not receive the place in society that his calling deserves, and where it rests in the Old Land. The nobility of England do not consider it a compliment to be classed with the doctors and lawyers, but are proud to be called agriculturists.

RUSTIOUS.



**THE HOSPITAL TENT.**

Miss Helberg on right; Nurse Still on left; Nurse Farmer, matron, in center, holding the latest arrival, Barr Colony.

A newspaper was running a serial story, "The Truth." One week, so much space being devoted to other matters, the editor was unable to continue the story, so made the following announcement, containing perhaps more truth than any other item in the paper: "The truth" was crowded out of this issue on account of the press of more important matter."

**School Aims.**

No school is a good school that educates children away from work. No boy should be taught that it is better or more respectable to be a lawyer than a farmer. A good carpenter or blacksmith is as good and useful and respectable as a good doctor, and infinitely better than a poor one. It is just as honorable to shoe a horse as it is to edit a paper. The banker is no whit better than the mechanic. An honest calling is worthy of the best efforts of an honest man. The humblest and most lowly calling can be dignified by following it worthily and efficiently. Every good school will help the children to see and appreciate this fact. The school that does not do this is not doing the most or the best for the children. The children in every school should be familiar with the spirit as well as the words of the beautiful story of "The Village Blacksmith."

CANADIAN TEACHER.

**The Inefficiency of Rural Schools.**

In a recent issue of the "Advocate," we noticed an article by a country teacher, taking Mr. Nichol, of Brandon, severely to task for saying that our rural schools cost us a great deal, and are "miserable failures" compared with city schools.

Notwithstanding "Teacher's" valiant defence of rural schools, we are inclined to think that there is a great deal in what Mr. Nichol said, and that our rural schools are not playing the part that they should in the intellectual development of the children in the farming districts, as is evidenced by the continued exodus of farmers to the city.

The Canadian farmer appreciates the value of a good education, and many either sell or rent their farms in order to move into the city and give their children the advantages of an education which they cannot secure in the country school as it is at present conducted.

"Country Teacher" mentions several men who, despite the adverse conditions of rural schools, achieved success, but these men represent a condition that existed thirty or forty years ago, when the art of teaching was very similar in both city and rural schools. During the past quarter of a century great advances have been made in all lines, and especially in the art of teaching as applied to city schools, but, unfortunately, the conditions in the country have been such that the rural schools have been unable to keep pace with the city schools. Men like those whom "Teacher" mentions do not represent the masses of country school children. They are men who, like Abraham Lincoln, would have forged to the front had there been no rural school within miles of them.

"Teacher's" idea of the requirements of a rural school seems to be a place where shelter and warmth is provided, and these requirements, we believe, the trustees have met, but, like "Teacher," they do not seem to have made any provision for

the esthetic side of the pupil's nature. They take it for granted that the educational advantages which they enjoyed are a sufficient preparation for life to-day, notwithstanding the fact that competition in every line of business is daily becoming keener.

Now, we are not finding fault with the teachers of Manitoba, for we are confident that they are, under the circumstances, as efficient as the teachers of any other country or Province. The fault lies, as Mr. Nichol says, in the system.

1. The rural schools are providing much of the practice for the teachers who, later on, may receive positions in town or city schools, thus leaving to the rural schools the majority of inexperienced teachers.

- 2. The bleak, barren country school premises do not compare favorably with the city schools.
- 3. Owing to the number of classes the recitation period for each class is very limited.
- 4. Many children are so isolated that they have access to the school for but a brief period.
- 5. Boys and girls, who having passed the entrance examination, cannot continue their

studies without leaving home, or depriving the other pupils of an undue proportion of the teacher's time.

6. The subjects taught are not those that will make the pupils happy and contented on the farm.

7. Physical training is almost wholly neglected. We have only pointed out a few of the instances in which the rural schools are behind the city schools, and have not attempted to suggest anything better, but feel confident that better things are in store for the country pupils, and with the advent of centralized schools the country boy will be able to avail himself of all the advantages of the city schools without suffering the dissipation of social life such as is manifested in the cities.

TOBY SPRAT.

### Questions and Answers.

1st.—Questions asked by bona-fide subscribers to the "Farmer's Advocate" are answered in this department free.

2nd.—Our purpose is to give help in real difficulties; therefore, we reserve the right to discard enquiries not of general interest, or which appear to be asked out of mere curiosity.

3rd.—Questions should be clearly stated and plainly written, on one side of the paper only, and must be accompanied by the full name and address of the writer, as a guarantee of good faith, though the name is not necessarily for publication.

4th.—In veterinary questions, the symptoms especially must be fully and clearly stated, otherwise satisfactory replies cannot be given.

### Miscellaneous.

Subscribers are kindly requested to read the conditions at the head of this department before writing or mailing their enquiries.

#### BROME FOR HAY.

Can I sow Brome grass seed with barley and secure a good crop of hay, or would it be better to sow the grass seed alone? C. A. G. Hillwood, Man.

Ans.—In a season of abundant rainfall, it is often possible to secure a good crop of Brome hay when sown with a nurse crop of grain, but we find that the average rainfall of our seasons is not sufficient for both the grass and the grain plants, and the grain plant being the most vigorous, the grass is robbed, consequently often few plants survive. For this reason we recommend the Brome seed to be sown alone. S. A. BEDFORD, Supt. Experimental Farm, Brandon.

#### FODDER CORN.

I wish to sow five acres of fodder corn this spring. What variety is most suitable for this Province? Where should I sow it, and what quantity of seed is required per acre? B. D. Man.

Ans.—Pearce's Early Prolific and North Dakota Flint are the most suitable for Western Manitoba. Sow from May 20th to 24th, in rows three feet apart; have the plants from three to nine inches apart in the row. It will take about half a bushel of seed per acre. Cut at the end of August, and stook in tepee-shaped stooks. S. A. BEDFORD, Supt. Exp. Farm, Brandon.

#### "GRADES FOR THE SHOW-RING."

Are animals that have neither a pure-bred sire nor dam eligible for exhibition at agricultural shows in the "grade" class? By answering the above you will settle a very debatable question. SUBSCRIBER. Innisfail, Alta.

Ans.—Yes, animals are eligible when neither parent is pure bred.

#### TATTOOING MACHINE WANTED.

Could you tell me where I can get a tattooing machine to mark cattle in the ears with? W. B. Calgary, Alta.

Ans.—A. B. Cull, 499 Main St., Winnipeg.

#### NATIVE MAPLE SEED.

Maple seed in former years has failed to germinate. Can you give a probable reason for this? A. S. Virden, Man.

Ans.—One of the principal causes of imperfect germination in maple seeds is want of moisture. This can be overcome by sowing early in spring, say from April 15th to May 1st, or by soaking a week or ten days before sowing. S. A. BEDFORD, Supt. Experimental Farm, Brandon.

#### PERIOD OF GESTATION.

How long in days does a mare, cow, ewe and sow go from time of service until the time of giving birth? C. R. D.

Ans.—In response to this and several other queries on the same subject, we will publish a breeding list, or gestation table, in next issue, which we think is as nearly correct as can be determined. There is considerable variation in some cases in the number of days. Mares especially vary, the majority foaling at exactly, or nearly, the 11 months, and some going quite 12 months. Cows generally go from five to eight days over the nine months. Ewes sometimes vary a few days from five months but generally produce at two or three days short of that; and sows, though generally giving birth promptly at four months, or sixteen weeks, have been known to go six to ten days over that time, but as a rule in such instances the offspring is debile and generally die soon after birth.

### JERSEY TRANSFERS.

Please let me know if the American Jersey Cattle Club has a Canadian agency, and if so where is it, and to whom do we have to write to make transfers of Jersey cattle? G. C. S.

Ans.—The A. J. C. C. has no Canadian agency. For information as to transfers, etc., apply to the Secretary, J. J. Hemingway, 8 W. 17th St., New York City, N.Y., U.S.

### Field Notes.

#### The Barr Colony.

(Continued.)

Time, in which all great things are accomplished, has now had a little to do with climatizing and nationalizing our British friends of the Barr colony, and some of them, even now, have reached their ultimate destination and have commenced the great life work of farm cultivation on the fertile plains of the Saskatchewan Valley.

Those left behind in the romantic camp on the banks of the South Saskatchewan at Saskatoon became a rapidly-vanishing remnant. The white canvas city of Saskatoon has become a page of past history, but a page which will never be blotted out of the memories of those who took part in it, and we may safely assume that the tale will oft be told to younger generations, when the life in prairie schooners and militia tents will have given place to life in modern houses, where luxurious furniture, modern comforts and the sweet sounds of soft music will soothe the breasts of the pioneer settler, making him forget the hardships of weary and hazardous trekking along the Battleford trail and the lonely early days and months of homesteading.

Since writing for the last issue of the "Farmer's Advocate," great activity has been displayed by the



A TYPICAL CAMP SCENE.  
A widow and her sons in Camp Barr, Saskatoon.

colonists, and the prairie schooners, drawn, some by oxen and some by horses, have been wending their way in broken line from early morning till late night along the tortuous trail, the white canvas canopies of the wagons appearing and again disappearing to the view of the distant onlooker like ships passing on the ocean. Many mishaps, but happily no disasters, befell our friends on their outward journey. Becoming mired in the treacherous spring mud was one incident all too common. The writer happened to come upon a party of four teams in such a plight less than five miles out from the starting point. The teams were oxen in each case, very good oxen, too, and all down at the same time. They had pulled as long as it was any use to do so, but now they had given up the struggle and looked around with wistful eyes for something to eat. Not like Mark Twain's horse—for something to lean up against. A friendly farmer who had been superintending seeding operations in a field close by, and who possessed the kind heart of the good Samaritan of old, came to the rescue. He brought a team from the harrows, and soon our friends were expressing their heartfelt thanks in no unstinted terms, while the oxen and wagons stood on the solid terra firma to which their benefactor's team had hauled them. Nor did he allow them to proceed until they had received a lesson in the use of the logging chain and doubling up, with much good advice regarding the necessity for locking the hind wheels of the wagons when descending some of the steep grades into the ravines, and a good deal of information about the road generally. With a cheery "good-by" and "the best of good luck" we parted with our friends. As the train moved onward the foremost driver, pointing towards the westward sky, called out, "Westward the star of empire wends its way," and so westward our friends plodded on and westward on the same trail the great majority of the dwellers in the Saskatoon canvas city have since followed.

Two cases of scarlet fever broke out on the road and another case was quarantined in the camp.

Three outfits turned back. They had not disheartened with the difficulties on the road. They were met, however, by Mr. Speers, who has such a superabundance of courage himself that he can always inspire others with that "hope which springs eternal on exultant wing." The backsliders, under the genial advice and encouragement of Mr. Speers, again faced the difficulties of the road, and this time successfully. For those of limited means who want to stick to the colony, transportation is charged at the very low rate of \$2.00 a hundred.

Two hundred and sixty men left the colony to go to work. Some of them intend returning to the colony as soon as their financial condition will permit of their doing so.

Mr. Speers has asked the Government for full charge of the colony, and should he receive this power, we shall have every hope that the colony will succeed. That they may do so is the hope and prayer of all Canada, and now that they have come so bravely through their first, and let us hope their worst, difficulties, we all look forward to this colony of genial men and cultured women to do great credit to that great country whence they came.

JOHN McBEAN.

#### Regina Spring Stallion Show.

About five years ago a few horsemen in the vicinity of Regina conceived the idea that a spring stallion show would be in the interests of good horse raising in that district, by bringing side by side where they might be compared the stallions that were being offered for service to breeders. Since that time a show has been held each spring, with varying success, but not until May 8th of this year did the brightest hopes of the promoters and directors of this association approach realization. Although the competition in the light horse classes amounted to practically nothing, it was largely counterbalanced by a

splendid show in the class for aged Clydes or Shires.

It was a fortunate and well-timed arrangement that permitted Wm. Graham, Claremont, and Wm. Smith, Columbus, Ont., who were going through to judge at Calgary Spring Show, to stop off at Regina. When the train carrying these expert horsemen reached the Capital City of the Territories, the directors breathed an air of satisfaction. On previous occasions local men had placed the awards, and as might be expected, their decisions were not always well received. Anxiously, therefore, did the managers of the show hope that

these disinterested and qualified judges might arrive on time.

There was little less than one thousand spectators assembled on the market square when the first class, that for registered Clydesdales or Shires, was called. This brought forth a practical and startling manifestation of the interest that is being taken in heavy horses in the Regina district, for no less than fourteen prancers, intended to be used within a radius of twenty-five miles, entered within the ropes for inspection. It was soon found, however, that the ring was too small, and, consequently, two sections were made. As this was the most important class of the show, the judges did their work with careful deliberation, and when they placed A. & G. Mutch's latest importation, Baron's Gem, by Baron's Pride, first, there were few if any spectators skilled in horse judging to say a mistake had been made. In heavy horses, it is of the utmost importance that special emphasis be placed upon the quality of bone and substance. Without good underpinning it is quite impossible to have a high-class horse, while with these defects of the body may be so improved by fitting as to give an animal a fairly attractive general appearance. On these points, however, it is quite impossible to fool a qualified judge, and it is worthy of mention that the decisions rendered by Messrs. Smith and Graham on this occasion were influenced very largely by the attention to which the stallions on exhibition attracted attention in their lower strata. Baron's Gem, from the now famous stable of the late Mr. Lumsden, winner in this class and also a year-old for best stallion any age or breed, was a year-old of almost faultless conformation, and he is a true Clydesdale and son of the best of his kind; his underpinning is especially good, and he moves with a style and action that is lacking in a heavy horse. Objection might be made to the attachment of the fore

ribs to the vertebral column, but one or two horsemen present who saw him in his Old Country home claimed that no exception could be taken to this point, and expressed the undoubted opinion that when he had fully recovered from the sea voyage he would be faultless in this as in other parts. The second prize horse was Ethiopian, owned by the Lumsden Syndicate Company, an animal brought into the West a few months ago, and imported by Dalgety Bros., London, Ont. He, too, had splendid feet and ankles, and was possessed of a smooth, well-quartered body, but had scarcely so good a front as Baron's Gem, nor could he display the same superior action. Nevertheless, should he prove a sure stock getter the horse-breeding interests of Assiniboia will be the better for his presence. Third prize went to Mutch Bros.' Prince Stanley, the champion at Regina in 1902, and third at Winnipeg Industrial the same year. This horse has been previously described in the "Farmer's Advocate," and it is needless to say that he still retains his good qualities. There were a few other horses of considerable merit that had to go away without a premium. Among these might be mentioned Boydston Heir, by Grandeur, and out of Lady Boydston. He is owned by J. W. Brown, Lumsden, and would have been fourth had another award been made.

Notwithstanding all that may be said in commendation of this ring, there were a few stallions of which nothing favorable could be said, and it will indeed be regrettable should they receive any patronage from the horse breeders of Regina district. Upon enquiry it was learned that these imitations of good breeding were mostly introduced to Western farmers by dealers not generally noted for the possession of anything valuable, but the most striking feature of the situation was that for these scrubs much higher figures had been paid than for the winners purchased and owned by private enterprise.

In the class for stallions three years old and under, seven specimens came forward for inspection, but contrary to the rule in the previous ring, there were no outstanding winners, and the judges were not a little perplexed as to the proper order of placing. In a ring of really good stock it is not difficult for a good judge to satisfy himself, but when the really typical is absent, no one is satisfied. First place was finally given to Gordon Macneilage, a little black owned by Louis House, Fairville; second went to a lofty brown, Royal Victor, owned by E. M. Boulding, Regina; and third to Sandy McTavish, a massive big colt, having a splendid top, but very deficient in legs and feet, shown by a Regina syndicate.

In the class for Standard-bred, only two faced the judges. Sunny Alto, owned by Jos. Churchill, V.S., Regina, was given first; and Madwood, the property of Jno. Forrester, also of Regina, second. The former had the only Thoroughbred to come out, although it had been hoped until the last hour that one more at least would be present. Rothervale, the easy winner in this case, is the animal which was imported by Col. Dent, Ottawa, a few years ago, to be used in breeding army remounts. He is a big, muscular fellow, and possessed of considerable life.

A class presenting competition of a peculiar nature was a special one for the best heavy draft stallion, not necessarily registered. This allowed Peter Horn, Regina, to come out with a cross-bred Clyde and Shire, a massive horse possessing many good qualities, and although individually a strong competitor of Baron's Gem, the superior quality of the latter enabled him to win out.

**Pork Packing Factory.**

We are pleased to notice that an active movement with the object of establishing a pork-packing factory has taken place at Carberry, Man. The movement is led by N. Boyd, M.P., and he is supported by Messrs. Murphy, Waller, Barrett, Stickle, R. M. Harris, and other prominent townsmen.

This is a movement which if carried out will have a great deal more than a local importance, for there is no industry more neglected generally in Manitoba and the Northwest than that of pork-raising. The position is accentuated by the circumstance that in no other part of the world can pork be raised more cheaply nor with better all-round results than here. Another phase which commends the industry, is that a start can be made with a very small amount of capital, and it is a business which, with the comparatively short gestation and prolific reproduction of swine, is capable of more rapid development than any other branch of agricultural industry. A few pork-packing factories would perform the double function of stimulating the trade of our local towns and inducing a healthy forward movement in hog raising and feeding on the farms. With the establishing of pork factories there would always be the ready market, and Manitoba and the West would change from being a large importer of pork to the position of an exporter of ever increasing extent. We wish the Carberry enterprise all success.

**Appreciation from the Old Country.**

The William Weld Co., Limited, Winnipeg, Manitoba, Canada:

Gentlemen,—Although I have had your grand paper only since last September, yet I feel that our English agricultural publishers should hurry up and raise their publications to your high standard. Your paper is an educator, a newspaper, and a magazine; the articles and letters take such a broad-minded view of the many subjects treated in your pages. The illustrations are very good, and seem highly typical of the country. Several people in this district, to whom I have shown your Christmas number, say they never saw such a fine number.

There are two men here, M. Cartwright, 12 Sussex St., and J. Goodchild, 4 St. Andrew's Hill, both of Cambridge, who may emigrate soon, and they would much like a copy of your "2nd Annual Immigration Number" sent to them. I have also directed a new subscriber, Mr. Swann, to pay his four shillings and two pence to Mr. Chapman, in London.



**NELSON WAGG, OF CLAREMONT, ONT.**  
Champion plowman of America, and his team of pure-bred Clyde mares, Charmer and Nellie.  
SOLD TO A. & G. MUTCH, LUMSDEN, ASSA.

**Calgary Show and Sale.**

(Special despatch.)

The Cattle and Horse Breeders' Association meetings held at Calgary, May 12th to 14th, were fairly well attended, and many topics of interest to stockmen received consideration and discussion; a report of which will appear in our next issue. The show and sale of horses and cattle on the 15th and 16th was the most successful yet held here; nearly 2,000 people were present. The Clydesdales made a grand show, Mr. John A. Turner's three-year-old stallion, Charming Prince, winning the championship.

The sales which closed on the 16th were fairly successful, the entries of cattle sold totalling 265 head. A considerable proportion of the stock offered was not of as good quality nor in as good condition as was desirable. There was a large show of Shorthorns. The championship prize went to Bachelor, a yearling owned by J. & W. Sharpe, Lacombe. The 178 Shorthorn bulls sold averaged \$93, and 64 Shorthorn females averaged \$98 each. The highest price for a Shorthorn was \$235 for Trout Creek Hero, contributed by Robert Page, Pine Lake. The highest for a female was \$210 for Bonnybell, contributed by Geo. Geary, Innisfail. Sixteen Hereford bulls sold for an average of \$140; highest price \$300 for Bonnie Brae Hesoid 2nd, contributed by Oswald Palmer, Lacombe. No females offered. Seven Aberdeen-Angus bulls sold for an average of \$90 each.

**Summerberry Grain Growers.**

We have a thriving branch of forty-nine members here. We were one of the first to organize, and it was not far from here where the organization was first started by W. R. Motherwell, P. Dayman, M. Snow and others. We feel that the Association has done a great deal of good since starting, and that we are enjoying a measure of freedom in the shipment of our wheat that was never enjoyed before. We have a loading platform and two elevators, and more elevators are to be built this year.

This is one of the few places where the Grain Act has been interpreted in a way that was satisfactory to the farmers. We have a very obliging agent here, and if ten empty cars were left at this station, he gave six to the farmers and four to the elevators. If six empties were left, four were given to the farmers and two to the elevators, and so on in this proportion, according to the number left each time. Of course, we suffered from scarcity of cars, but was pleased at the way those left were distributed.

We do not have any regular meetings through the summer, except when some special business needs attention.  
R. M.

**Domestic Servants Coming.**

Mrs. Sandford is in the British Isles engaged in gathering a party of young women for domestic service in Western Canada. One of these may be secured by prepaying the travelling expenses. The sum of \$35 covers the fare from Great Britain to Winnipeg, and this amount should be sent to the Secretary of the Girls' Home of Welcome, Winnipeg. For points in Manitoba and the Territories half the railway fare from Winnipeg should be added. The \$35 advanced will be refunded by deduction from the servant's wages until the amount is repaid; but the fare from Winnipeg to country points is discharged entirely by the employer.



**SUMMER HILL REFORMER.**  
Young Yorkshire boar. (See Gossip, page 512.)  
BRED AND OWNED BY D. C. FLATT & SON, MILLGROVE, ONT.

### The Isaac Shorthorn Sale.

The dispersion auction sale at Markham, Ont., on May 13th, of imported Shorthorn cattle belonging to Messrs. John and George Isaac was an unqualified success, the 48 head sold realizing the handsome total of \$17,255, an average of \$359. All the cattle, except two, were purchased by Ontario breeders and farmers, \$700, the highest price of the day, being paid by Mr. John Hill, Wellesley, for the imported two-year-old bull, Nonpareil Archer (81778). The red six-year-old cow, Blossom 2nd, No. 4 in the catalogue, of the Cruickshank Orange Blossom family, due to calve this month, was taken by Geo. D. Fletcher, Binkham, at \$650. Golden Duchess and Golden Daisy, of the Marr Goldie family, fell to the bids of J. G. Robbins & Sons, Horace, Indiana, at \$650 and \$550, respectively. W. D. Flatt, Hamilton, took Forest Pride, a red two-year-old heifer, at \$500, and W. G. Pettit & Son, Freeman, secured the two-year-old Merry Maid 10th at the same price. The roan yearling bull, Everlasting, brought \$410, going to S. J. McKnight, Epping. The bidding was brisk and steady, the breeders having full confidence in the future of the breed, having had a steady demand for all they could spare, while a noticeable feature of the sale was the number of purchases by new beginners in the business of breeding pure-breds. Leading breeders report a larger demand for young bulls this year than for many years, and that largely from farmers, a movement which will tell for good on the quality of the beef cattle of the country in the near future.

#### COWS AND HEIFERS.

Blossom 2nd, 7 years; Geo. D. Fletcher, Binkham	\$650
Golden Duchess, 2 years; J. G. Robbins & Sons, Horace, Ind.	650
Golden Daisy, 2 years; J. G. Robbins & Sons	550
Forest Pride, 2 years; W. D. Flatt, Hamilton	500
Merry Maid, 1 year; W. G. Pettit & Son, Freeman	500
Veronica, 4 years, and c. c.; E. C. Attrill, Goderich	500
Dainty Countess, 3 years; W. D. Flatt	495
Choice Lustre, 3 years, and c. c.; J. A. McGillivray, Uzbridge	485
Flora McDonald, 2 years; W. G. Pettit & Son	485
Charming Gem, 2 years; S. J. Knight, Epping	465
Primrose 8th, 2 years; W. G. Pettit & Son	460
Belle 2nd, 3 years, and c. c.; John Gardhouse, Highfield	440
Lady Ann 14th, 2 years; W. G. Pettit & Son	400
May 3rd, 3 years, and b. c.; H. A. Potter, Caledon	300
Stella, 2 years; S. F. Johnston, Ashburn	370
Rose, 2 years; John Bright, Myrtle	360
Emmeline 9th, 2 years; W. J. Shean, Owen Sound	355
Mina 6th, 3 years, and b. c.; D. Rusnell, Stouffville	350
Eliza 2nd, 3 years, and b. c.; S. J. McKnight	350
Ammonia, 3 years, and b. c.; W. H. Esterbrook, Freeman	350
Lady Laurier, 2 years; J. J. Kitley, Dunkerron	350
Lady Hope, 1 year; E. C. Attrill	340
Celia, 2 years; Guy Bell, Brampton	335
Cloris 4th, 2 years; E. C. Attrill	335
Primrose 2nd, 2 years; A. J. McVigen, Cobourg	320
Maud 14th, 2 years; W. G. Pettit & Son	315
Camelia, 1 year; Peter Stewart, Atha	305
Silver Rose, 2 years; W. G. Pettit & Son	300
Alice, 3 years; James Leask, Greenbank	300
Fair Maid, 2 years; Guy Bell	300
Sally, 2 years; Arthur Johnston, Greenwood	285
Royal Duchess, 1 year; John Hill, Wellesley	275
Rose Lilly, 2 years; A. E. Meadows, Port Hope	270
Twin Countess 6th, 2 years; Ernest Macklin, Cobourg	255
Viola 3rd, 2 years; H. Barr, Douglas	255
Lady Scott, 2 years; W. D. Flatt	250
Lady Lorne, 2 years; T. F. McAvoy, Balsam	250
Tulip, 2 years; T. Hope & Son, Scugog	250
Lady Rose, 2 years; Geo. Johnston, Balsam	225
Twin Countess 5th, 2 years; F. Bonnycastle, Campbellford	225
Rose Flower, 2 years; Robert Duff, Myrtle	205
Sweet Briar, 2 years; W. J. Shean	205
Lilly 5th, 4 years, and b. c.; William Norton, Brougham	200
Lucky Lass, 3 years; T. Gibney, Holt	200
BULLS.	
Nonpareil Archer, 2 years; John Hill, Wellesley	700
Everlasting, 1 year; S. J. McKnight, Epping	410
Royal Archer, 2 years; John Bright, Myrtle	350
Lord Kitchener, 2 years; Henry Barr, Douglass	135
Lord Lyndhurst, 10 months; J. D. Davidson, Belhaven	90

### An Uncommon Importation.

The Carberry News treats in a facetious manner the arrival in the town of eight donkeys and a jackass. The animals are Mexican bred, and are from twelve to thirteen hands high. They are of a dark brown color, and are all strong and healthy. Oxen, mules and horses have all played their important parts in the cultivation and development of the Northwest, but the day of the diminutive and historic ass is yet to come, if come it may. In the meantime, it will be interesting to know by the Carberry importation turns out as a commercial proposition.

The donkeys were brought to Carberry by Mr. G. P. Murphy, who has recently returned from the south, recently where he picked up the animals.

### "Creamery Work."

This title refers to perhaps one of the best and most up-to-date little works on the subject of buttermaking yet published in the West.

Mr. S. M. Barre, Winnipeg, is the author, and he handles the subject all through in a manner which exhibits deep study and much investigation. He takes up the subject from the standpoint that the quality of our Western butter is a good deal below what it should be, and that until we produce butter which will command a ready sale and the highest price in the English market our dairying must be regarded as merely experimental.

In treating the subject of creameries, Mr. Barre condemns small creameries, and advocates centralization, with suitable car accommodation for transporting the cream and radical reduction of the present exorbitant railway rates. Another point advocated is expeditious shipment direct from the factories without cold storage in the creamery. It is pointed out that we now occupy only sixth place with our butter on the British market.

Pasteurization, which Mr. Barre insists upon as a necessity in the storage and transportation of cream, is intelligently explained, and a system of culminating the process by the heat from an ordinary kitchen stove is described in detail. Our lack of success is attributed chiefly to ignorance and prejudice.

We recommend the booklet as one worthy of perusal, and should those of our readers interested in dairying have time to look through its columns they will there find much that is interesting and instructive.

### Railway Land Deal.

A despatch from St. Paul confirms the purchase by Col. A. D. Davidson, of Duluth, Minn., and associates, the majority of whom are old Canadians, of the entire land grant of the Canadian Northern Railway, about three million acres in Manitoba and the N.-W. T., the consideration being twelve million dollars. Among the parties interested are: Col. A. B. Davidson, A. D. McRae and Geo. C. Howe, Duluth; A. R. Davidson, Little Falls, Minn.; D. P. McDonald, Fort Qu'Appelle, N.-W. T.; A. J. Adamson, Rosthern, N.-W. T.; F. C. Kenaston, Geo. F. Piper, W. D. Douglass, Minneapolis, Minn. The Manitoba & Saskatchewan Valley Land Co., Limited, with a capital of five million dollars, will be organized at once, with offices in Canada, the United States and England, for the purpose of colonization and settlement.

Mr. D. D. Mann, Vice-President of the Canadian Northern Railway, confirms the report. He expects that fully forty per cent. of the colonists whom the company would locate would also be former Canadians who have resolved to return. The conditions of the sale required the bona fide settlement of these lands, and he expected an enormous influx of settlers within the next few years. The lands which have been sold are in Manitoba and the Northwest.

### Sowing Rape on Breaking.

Sowing this crop on newly-broken land serves two important purposes, namely, providing food for stock, and helping fit the land for future crops by decomposing the sod and pulverizing the land. In the first place, rape is always a good pasture feed for sheep, swine and all yield cattle. On newly-broken land that has been sown to rape, the cattle and other stock, while feeding, cultivate the soil by tramping down the sod and pulverizing the crude chunks of earth.

From three to four pounds per acre of rape seed should then be sown broadcast. If the ground be too dry to produce germination at the time of sowing, this seed, being of an oily nature, retains its fertility until rain comes to the rescue, when it will sprout rapidly and provide the farm stock with excellent food, to which they will be attracted for a period of each day during the remainder of the season.

Stock should be kept off the ground for at least six weeks after sowing, to give the crop a chance to mature sufficiently to make good pasture.

### Ontario Crops.

According to the crop bulletin of the Ontario Department of Agriculture, the crops and stock in that Province have come through the winter in excellent condition, and everything promises favorably for a prosperous year. Wheat and clover survived the winter well, and as the latter got an extra good catch, hopes are entertained for a bumper crop. A peculiar feature of the fruit industry is that there appears to be a plague of mice working from the east to the west, and is now about the counties of Simcoe, Grey, Perth, Middlesex and Haldimand. These mice are gnawing many of the trees, causing much injury.

### Margaret to be Favored.

The Canadian Northern are seriously considering building a new station at Margaret, Manitoba. This is one of the prettiest sections that Manitoba can boast of. A wide, fertile plain is traversed by the Souris River and bounded on the east by Lake Pelican.

### A Valuable Prize.

Messrs. Alex. Galbraith & Son, of Janesville, Wis., and Brandon, Man., have offered a \$500.00 silver cup for the best colt or filly sired by any stallion purchased by them. To be competed for at the Brandon exhibition, and we predict that a large number of choice youngsters will face the judges on this occasion.

### Boers Going to Mexico.

Gen. Benjamin Viljoen, former assistant commander-general of the Burgher forces in the Boer war and member for Johannesburg in the Transvaal Volksraad, and Gen. W. D. Snyman, a prominent Boer commander, report that they have visited Mexico and completed an arrangement with the Mexican Government, by which 83,000 acres of the best land of the country has been secured for a home for immigrants from South Africa.

Gen. Snyman intends remaining in the United States, while Gen. Viljoen sails for South Africa to bring out the first expedition, which it is expected will number about fifty families. Fully 1,000 families will join the movement. The land secured is a beautiful fertile strip, known as Santa Rosalia, in the State of Chihuahua and near Ortiz station on the Mexican Central Railway. Already men are at work there sowing corn. The newcomers will be landed at Vera Cruz.

### To Navigate the Saskatchewan.

There is a movement on foot among prominent Prince Albert business men to form a company for the purpose of putting a line of steamers on the north branch of the Saskatchewan River, between Prince Albert and the point nearest the Barr colony. J. H. Wilson, of the Imperial Bank, is taking an active interest in the scheme, and is very sanguine of the ultimate success of the promoters.

If such a system of navigation can be operated, and we have every reason to believe it can, it would be a boon to all Saskatchewan, as a very great quantity of grain could be handled and moved out by this route. Further developments of the scheme will be watched with interest.—[Saskatoon Phoenix.]

### More Foot-and-Mouth Disease.

It is announced that the foot-and-mouth disease has again broken out in the Argentine Republic. Exportation of animals has been prohibited from that country for a time.

An outbreak of the disease in a herd located at Framingham, Mass., has just been reported, and owing to that the contemplated lifting of the quarantine from the New England States has been postponed indefinitely.

### Arrival of Farm Hands.

Mr. Adamson is expected to arrive here about the 15th of June with a draft of picked farm hands from Scotland. From other sources we learn that quite a number of Scotland's best farm servants are immigrating to Canada this season. Farmers in want of men should apply to Mr. J. Obed Smith. The wages promised to the men by Mr. Adamson is \$220 per annum.

### Fat Ranch Cattle.

Joseph Edmonson, a rancher living twenty miles east of Didsbury, Alta., recently sold fifty-six head of winter-fed cattle. Of the bunch, forty-three were steers rising three years old, and the balance heifers and cows. One heifer, four years old, weighed 1,510 pounds. The price paid was 14c. live weight.

### Horses for the Range.

W. R. Penland, of Medicine Hat, recently purchased at Billings, 1,000 horses of the 96 brand. The horses will be taken north to Medicine Hat by trail. Ten men were sent for them.

### Big Cattle Shipments.

The Canadian Pacific has arranged to transport in May and June 24,000 head of cattle, which will all be brought from the West. During the same months last year, the total number of cattle shipped from Montreal was 4,900. No less than five cattle-ship sailings will be made from Montreal during May.

### Mexican Heifers for the West.

It is reported that J. D. McGregor, of Brandon, recently purchased, while in Mexico, 2,000 three-year-old heifers for his Medicine Hat ranch. G. B. Murphy, of Carberry, has also bought a big bunch of Mexican heifers for his ranch in the same district.

### C. P. R. Improvements.

The C. P. R. will make improvements amounting to upwards of \$100,000 at Medicine Hat this year. A new depot, shops, gas well and better yard accommodation are among the changes reported.

### Prairie Fires.

Probably the worst prairie fire in the history of Alberta visited the country north of Lethbridge on April 29th, commencing near the Blackfoot crossing and extending to the ranch of the Cypress Cattle Company. Hundreds of cattle are said to have perished and buildings in several cases had very narrow escapes.

### New Buildings at Regina.

It is announced that the C. P. R. will spend during this summer in the neighborhood of \$25,000 in the erection of new buildings at Regina, N.-W. T. Extensions about Carleton Place, Man., will also be made.

### Blyth Plowing Match.

The Blyth Plowing Match, an annual plowing match will be expected to hold on Friday, 19th of June.

**The Peace River Country.**

To the Editor "Farmer's Advocate":

Sir,—As many of your readers are no doubt interested in this part of our fair Dominion, I will try, through your valuable paper, to give a fuller idea of its vast resources. The Peace Valley has this spring, for the first time, received its quota of settlers from Edmonton, and some fifty people have settled on the grand prairie south of the Peace and directly east of the Pine River Pass, one of the best passes through the Rockies, being only about 2,200 feet altitude. There have been two mills put in on the Peace this last year and two steamboats in course of building, which will make travelling from the lower settlements easier. This country has vast timber resources, large prairies, abundance of game, and no doubt will be opened up by a transcontinental railroad in the near future. In the meantime, to start ranching here could be no mistake, as there is bound to be a constant inflow of settlers, and the best ranching country will soon be filled. Range at present is unlimited. Hay is in abundance, and there is plenty of timber for building purposes, fencing and fuel.

Grain of all kinds has been raised for a time successfully in many parts of the country, and even was the best shown at the World's Fair in Chicago in '93, though I would not attempt to say it would be a success anywhere, any year, but it certainly is every bit as good a grain and stock country as Northern Alberta or Saskatchewan.

The outlet is at present to the north, as the demand for flour, bacon, lard and butter far exceeds the supply, and once a railroad comes anywhere nearer than two hundred miles of the upper Peace River, the whole of the northern traffic will go down the Peace, as there is only one mile of rapids on the Peace compared with eighty miles on the Athabasca River, the present route.

There is room for a large settlement on the Peace at Vermilion, where an up-to-date roller mill has been erected and where prices of wheat for milling purposes are from one dollar to one dollar and fifty cents per bushel. I would advise anyone going there to take a two years' supply of groceries, except flour, and enough clothes, boots, shoes and farm machinery to do him until he could get a good start. The best time to go through is in the latter part of the winter, leaving Edmonton about the first of March and coming through with sleighs in time to go through to the Grand Prairie on snow or to wait and float down in the spring to Vermilion on a raft.

There is a settlement of about two hundred people at Vermilion, of which about fifty are whites and the balance halfbreeds. There are two churches, two schools, three stores and three mills, including a grist, saw and shingle mill. Prices of lumber are about the same here as at Edmonton, while all other supplies are much higher. There is, indeed, a bright prospect for our fair land, and the Peace Valley will be second to none in importance. Come early and avoid the rush.

F. NORMAN LAWRENCE.

**Fair Dates.**

The dates at which a number of summer shows and exhibitions will be held is published herewith. Secretaries of fairs not included in this list are requested to forward the date of their exhibition to this office.

Winnipeg, Man.	July 20 to 25
Edmonton, Alta.	June 30 to July 2
Wetaskiwin, Alta.	July 3
Calgary, Alta.	July 7 to 10
Yorkton, Assa.	July 14 and 15
Shoak Lake, Man.	July 16
Brandon, Man.	July 28 to 31
Moosomin, Assa.	August 4
Melita, Man.	August 5 and 6
Central Assn., Fort Qu'Appelle.	August 5 and 6
Neepawa, Man.	August 5 and 6
Wolseley, Assa.	August 7
Regina, Assa.	August 11 and 12
Broadview, Assa.	August 13
Fort Saskatchewan, Alta.	August 13 and 14
Wapella, Assa.	August 14
Lacombe, Alta.	August 20

**C. P. R. Rolling Stock Increased.**

W. F. McCreary (Selkirk) was informed that of \$9,000,000 the C.P.R. was allowed by the Government last session to expend in rolling stock the company had already paid for rolling stock, \$6,961,619. The company has additional rolling stock under contract which will make its expenditure on this item over \$11,000,000.

**An Old Fued Buried.**

That ancient fued between the farmer and the bicyclist has been settled pretty much in the same way those two Kentucky families settled theirs, when the son of the leader on one side married a daughter of the opposing host on the other side. The farmer has taken to riding the bicycle himself. When wheels first came into vogue, the farmer looked askance with a jealous eye at what he considered the eventual displacement of the horse. But he has learned that the bicycle has not displaced the horse—that it has merely enabled hundreds of thousands of quondam pedestrians to ride quickly instead of walking slowly. And to-day the farmer leaves his tired horses to rest after a long day's work while he wheels to the post office for his mail in the quiet of the evening.

**The Chicago International Show.**

Mr. Wm. Martin, Winnipeg, and Mr. Richard Gibson, Delaware, Ont., have been elected among the directors of the reorganized International Live Stock Exposition Association at Chicago. The following officers were chosen at the organization meeting held recently in Chicago: President, John A. Spoor, Chicago; First Vice-President, A. H. Sanders, Chicago; Second Vice-President, A. J. Lovejoy, Roscoe, Ill.; Secretary, Mortimer Levering, Indianapolis, Ind.; Treasurer, S. R. Flynn, Chicago; General Manager, W. E. Skinner, Chicago.

In reviewing the classification for the show, a class was added in the fat stock section for group of three steers or spayed heifers under three years old, the get of one sire. Classes were added to the horse section for French Coachers, German Coachers, Hackneys, and trotting-bred Coachers.

In the sheep section, the class for two-year-old ram was restored in all breeds. In view of the fact that the show of Cheviots, Dorsets, Leicesters and Lincolns has been largely confined to one exhibitor in each breed, it was decided to offer only first prizes in all rings for these breeds, these prizes to be the same in amount as offered for other breeds.

Inquiries have been made as to whether the International will be abandoned next year on account of the St. Louis World's Fair. A resolution was adopted by the directors declaring that the International will be held in 1904.

**Prof. Carlyle Goes to Colorado.**

The Governing Board of the College of Agriculture of Colorado recently decided to make a marked advance in its animal husbandry department, and to take charge of this work they have secured the services of Prof. W. L. Carlyle, who is now Professor of Animal Husbandry at the State College of Wisconsin. Prof. Carlyle is a Canadian by birth, and a graduate of the Ontario Agricultural College. After graduation, he was engaged for some time in Farmers' Institute work in Ontario. Leaving this, he superintended the field instruction work in cheese factories and creameries in Minnesota for four years. In the fall of '97, he took up the work at Madison, Wis., where he has made a fine record, both in investigative and instructive work. Colorado has secured a good man, and her animal husbandry interests may be expected to advance at a steady rate in the future.

**B. C. Farm Labor.**

Mr. R. E. Gosnell, Secretary of the Immigration Department, Victoria, B. C., reports that there is an active demand for farm labor in British Columbia. The wages for expert milkers are from \$20 to \$25 a month, the year round, with board and lodging, and during the summer months even as high as \$40 is being paid. There is, however, a demand for all-round good men.

**Cheese and Butter Standards.**

Sir,—A joint meeting of Cheese and Butter Salesmen, members of the Montreal Produce Merchants' Association, and officials of the Dominion Dairying Service, will be held in Montreal on Tuesday, June 2nd, in the Council Chamber of the Board of Trade, at 10 o'clock in the forenoon. The main object of the meeting is to consider the question of standards of quality and descriptive terms of the different grades of cheese and butter. The lack of authoritative finding on these points sometimes results in misunderstanding and disputes. It is hoped that a representative gathering, as indicated above, may arrive at some definite conclusions which will be beneficial to the trade as a whole. Other matters will be discussed, as time will permit. Every cheese and butter board in Canada is asked to send a salesman as a delegate to this important meeting, and when one is selected by your board you are requested to kindly forward his name and address to the undersigned as soon as possible.

J. A. RUDDICK.

Chief of Dairy Division.

**Ontario Agricultural Estimates.**

In the estimates submitted to the Ontario Legislature at the present session, \$282,920 was asked for agriculture, being an increase of \$15,004 over last year. For special instructions in butter and cheese dairying there is an increase of from \$4,000 to \$6,000, and \$2,000 is asked for women's institutes. For supplying expert judges for agricultural exhibitions, \$3,000 is named, and \$68,309 for the Ontario Agricultural College. Acknowledgment is made of the munificent gift of \$175,000 by Sir Wm. Macdonald for the purpose of establishing the Domestic Science and Nature Study Departments at this institution.

**Argentine Embargo Reimposed.**

A cablegram from London, Eng., under date of May 8th, states that the British Government has decided to reimpose prohibition against the importation of cattle from the Argentine Republic, the removal of which was not long ago secured in the belief that foot-and-mouth disease had been stamped out. The reason for the present action is that the disease has reappeared in several districts of the country. The shutting out of Argentine cattle at this juncture will no doubt tend to greatly strengthen prices for Canadian export beeves.

**Markets.**

**Winnipeg Markets.**

**Cattle.**—There has been some improvement in the movement of live stock during the week, but little change in prices. Best steers sell at 4½c.; butchers' ordinary, 3½c. to 4c.; two-year-olds, \$22 each; stockers, \$17; milch cows, \$30 to \$50 each.

**Horses.**—There is a good demand for horses, and they are picked up by farmers and railroad contractors as soon as they are put on the market. Good prices are realized. Teams are selling at from \$300 to \$450. There is a good demand for drivers.

**Hogs.**—There is a fairly active demand, and although the open price remains unchanged at 6c., considerable business is being done at 6½c., which is the price quoted as we go to press. The market inclined to be weak.

**Sheep.**—Choice stock is worth 5c., off cars, here. Spring lambs are beginning to come in, but the quality is poor.

**DRESSED MEATS.**

**Beef.**—The market continues unchanged at 6c. to 7½c. per pound.

**Mutton.**—Limited supply, with firm prices; 10c. to 11c. for mutton and 12c. for prime lamb are the ruling prices.

**Pork.**—The market is moderately brisk, at 7½c. to 8½c. per pound.

**DAIRY PRODUCTS.**

**Butter.**—City makers are obtaining 23c. per pound for choice fresh butter in boxes.

**Cheese.**—Ontario September cheese is bringing 14c., and Manitoba 13½c. per pound.

**Eggs.**—The supply has increased sharply, and the price has consequently declined rapidly. Dealers are now offering 12c. per dozen.

**GRAIN MARKET.**

**Wheat.**—A sharp decline and as sharp a recovery is the history of our wheat market since our last quotations. Supplies in the Northwest elevators are almost wiped out; 808,000 bushels is the aggregate in Northwest elevators, while Duluth and Minneapolis hold between them 6,182,000 bushels. Only a limited number of sales taking place. Holders confident of a rise. Prices at present on the local markets are: No. 1 hard, 77½c.; No. 1 northern, 76c.; No. 2 northern, 73½c.; No. 3 northern, 70½c.; June delivery, 70c. less.

**Oats.**—The market is quiet and entirely local. A brisk movement may be looked for now that farmers have more time to dispose of their stores. Prices range from 22c. to 28c. for feed grades; 30c. to 31½c. for No. 1 white, and 35c. per bushel for good seed.

**Barley.**—Very little offered for sale, and prices unchanged, viz., 30c. to 32c. for feed and 36c. to 38c. for choice shipping grades.

**Flax.**—Practically no market. Holders asking \$1.25 per bushel.

**Mill Feed.**—A brisk demand continues well abreast of the supply. Prices are: oat chop, \$21 per ton; barley, \$16.50; mixed, barley and oats, \$18; spelt, \$16; screenings, \$12; oilcake, \$27 per ton.

**Hay.**—Prices have advanced 50c. per load. Fresh baled, in cars, \$6.50 to \$7 per ton, and loose, \$6 to \$6.50 per ton.

**Flour.**—There is some talk of a rise in price, but prices remain at present at: No. 1, \$2.05 per sack of 98 pounds; No. 2, \$1.90; No. 3, \$1.70; No. 4, \$1.40.

**Chicago Markets.**

Chicago, May 15.—Cattle—Receipts, 2,000; market steady; good to prime steers, \$5 to \$5.50; poor to medium, \$4 to \$5; stockers and feeders, \$3 to \$5; cows and heifers, \$1.60 to \$4.85; canners, \$1.60 to \$2.75; bulls, \$2.50 to \$4.25; calves, \$2.50 to \$6.25.

**Hogs.**—Receipts, 16,000; market steady to 5c. higher; mixed and butchers, \$6.30 to \$6.55; good to choice heavy, \$6.65 to \$6.95; rough heavy, \$6.85 to \$6.00; light, \$6.10 to \$6.40; bulk of sales, \$6.40 to \$6.60.

**Sheep.**—Receipts, 4,000; sheep and lambs steady; good to choice wethers, \$4.90 to \$5.50; fair to choice mixed, \$3.75 to \$4.75; native lambs, \$4.50 to \$7.15.

**Toronto Live Stock Markets.**

Toronto, May 16.—Exporters, although not appreciably lower in price, were much more carefully looked over by local dealers. Quotations were slightly lower in some instances. The best animals, weighing 1,300 lbs., sold to-day at \$5.20 per cwt., and cattle 1,290 lbs. at \$5.15. Light shippers, 1,125 to 1,185 lbs., at \$4.85; good butchers, \$4.50 to \$4.80 per cwt.; fair to good, \$4.40 to \$4.60; mixed loads, \$4.15 to \$4.50; cows, best, \$50 to \$60 each.

**Hogs.**—Selects are quoted at \$6.10 per cwt., and lights and fats, \$5.85.

**British Cattle Markets.**

London, May 14.—Live cattle steady, at 12½c. to 12¾c. per lb. for American steers, dressed weight; Canadian steers, 11½c. to 12½c. per lb.; refrigerator beef, 9c. to 9½c. per lb. Sheep 14c. to 15c., dressed weight.



The Year's at the Spring,  
And Day's at the Morn;  
Morning's at seven;  
The hill-side's dew pearled;  
The lark's on the wing;  
The snail's on the thorn;  
God's in His heaven—  
All's right with the world.

—Browning.

### The Old Lady in the Window.

This is the story of a mother and a daughter who came under the shadow of a great sorrow. The mother had carried the spirit of youth well into old age, and the daughter who cared for her had found joy in their relations. But the mother lost the ability to walk, and the infirmities of years grew more heavy upon her, so that the pendulum of her life swung daily between her bed and her chair in the window, and no farther.

Her daughter up to this time had enjoyed a large measure of freedom, consequent upon her mother's good health, but now there remained only the daily care of the home and the mother till the end should come. She was sad when she thought that the end might be near; but she looked forward with a sinking of the heart to the possibility of years of unvarying service, calling for hourly ministrations and with only one possible outcome.

Not without heartaches and misgivings, but with courage and filial affection, the younger woman took up her duty. Nor was she content with that form of ministration which measures itself. It was her delight to give herself to her mother in every way that was possible. And in that unmeasured service there came an unexpected joy, an enthusiasm that lifted it above drudgery, and in response to which every beautiful trait in her mother's character displayed itself.

The mother loved flowers, and the daughter moved her flowers to the mother's room, and kept them blooming in the window. After a time the window became a floral bower, and in the center sat a queenly old lady in white, looking down upon the street.

It was beautiful to see her there, and to witness her interest in the activities which she could not share. She looked down with a smile on the clerks hurrying by to business, and the young men came to look up at the window and lift their hats. She always waved her fan to children, and these, even though they did not know her name, knew and loved the window.

Back in the house, and out of sight, the daughter devoted herself to her daily cares, rejoicing in her mother's comfort of heart and body, and the years—for this continued for years—sped fast.

A little while ago the chair became empty, and since then the bell has often been rung by unknown people who say, "I beg your pardon, but where is the dear old lady who sat among the flowers?"

Each day the daughter is learning that to scores of people her mother's life, and her own, have been a daily benediction. "It has come to me to say to them," said she, "not to think of the vision of my mother as if it had gone, but as if she still looks down and smiles upon us from a higher window, and among flowers that do not wither. To me, at least, it seems so; and in the light of that smile I shall live henceforth."

The home seems empty now, for what might have been a burden had become an abiding joy. Are there not many homes that need just this lesson of unmeasured love, of perfect mutual sympathy, and of enthusiastic self-giving, to make an inspiration of life here, to save future regret, and to make the source of the home a blessing?—[Youth's Companion.]

### I Remember, I Remember.

BY HOOP.

I remember, I remember,  
The house where I was born,  
The little window where the sun  
Came peeping in at morn;  
He never came a wink too soon,  
Nor brought too long a day;  
But now, I often wish the night  
Had borne my breath away.

I remember, I remember,  
The roses—red and white;  
The violets and the lily-cups,  
Those flowers made of light!  
The lilacs where the robin built,  
And where my brother set  
The laburnum on his birthday,—  
The tree is living yet!

I remember, I remember,  
Where I was used to swing,  
And thought the air must rush as fresh  
To swallows on the wing;  
My spirit flew in feathers then,  
That is so heavy now,  
And summer pool could hardly cool  
The fever on my brow.

I remember, I remember,  
The fir-trees dark and high;  
I used to think their slender tops  
Were close against the sky.  
It was a childish ignorance;  
But now 'tis little joy  
To know I'm farther off from heaven  
Than when I was a boy.

### A Lesson.

BY MRS. J. H. DOOLITTLE.

One beautiful day—a Sabbath in May,  
'Neath the blue of the morning sky,  
By the woodland still adown by the rill  
We wandered—my girlie and I.

We wandered along, in our hearts a song  
In harmony true to the day,  
When, lo, at our feet in their fragrance sweet  
A bed of blue violets lay.

In lonely retreat away from the heat  
And the glare of the noon-day sun,  
Unseen by the many, uncared for by any  
Save the all-seeing eye of One.

In lovely blue drest, apart from the rest,  
One blossom attracted our sight,  
As it lifted its face in beauty and grace  
To the warmth of the cloudless light.

Then stooping I scanned this work of God's hand,  
Perfection was written on all,  
No slighting was there, but infinite care  
Had fashioned that violet small.

It reached to my heart with its guileless art  
As musing I gazed on its face;  
I heard a voice speak—"Twas the flow'ret meek,  
"Tho' quiet, secluded my place.

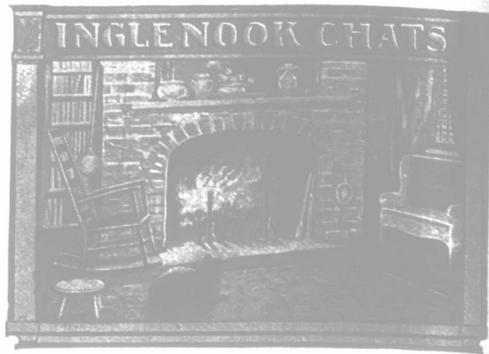
"To Him who thus wrought, and with loving thought  
Has filled my small cup to the brim,  
My face I'll upraise with eloquent praise;  
I blossom alone unto Him."  
Sparta, Ont.

### A Great and Healthful Pleasure.

"I would make the strongest plea in favor of a garden to all those who are so fortunate as to possess any land at all. The relaxation from care and toil and the benefit to health are great beyond belief to those who may have to work with head or hands. If you can snatch a few minutes in early morning or late afternoon, to spend among the plants, life takes on a new aspect, health is improved, care is dissipated, and you get near to Nature.

"If the rich and fashionable women of this country took more interest and spent more time in their gardens, and less in frivolity, few would suffer from nervous prostration, and the necessity for the multitude of sanitariums would be avoided.

"Flower gardening is pre-eminently a woman's occupation and diversion. Nearly every great lady in England takes a personal interest in her gardens and conservatories, and knows all about the plants and flowers. Here, the majority of women having large places leave the direction of the flowers, as well as the vegetables and fruit, to the taste and discretion of the gardener, and thus miss a great and healthful pleasure."—[Helena Rutherford Ely, in "A Woman's Hardy Garden."



My dear Guests,—

"Merry goes the time when the heart is young,  
There's nought too hard to climb when the heart is young."

runs a song of the day; best of all is the truth that age, as commonly reckoned, has nothing to do with the youth of the heart. Old heads may not be found on young shoulders, but youthful hearts may inhabit even aged bodies, and when this is so their happy possessors enjoy a never-ending springtime. Though scientists have spent centuries in the search for the "elixir of life," that marvellously potent agent that places perpetual youth within reach of all, it seems as little likely of achievement as the philosopher's stone; but although we may not be able to fully govern our physical life, the making or marring of our mental happiness (upon which the true life of the heart depends) rests very largely in our own hands.

One of the greatest obstacles to the attainment of this desired end is the selfish seeking of our own comfort or interests at all times; the

"Fever of restless serving  
With hearts all thirsty for love and praise,  
With eyes all weary and strained with yearning  
Towards self-set goals in the future days."

Solicitude about future contingencies (which may never arise) is also a prolific producer of mental worry, and, being such, should be avoided. How many are there who

"Tear the delicate, fragile threads  
Of their wonderful lives asunder,  
And then blame Heaven for the tangled ends,  
And sit and grieve and wonder!"

Devotion to the service of one's fellow-creatures is, perhaps, the best means to ensure one's own happiness; while commiserating the miseries of others we have not time to brood over our own petty worries. Indeed, when we see our so-called trials side by side with real afflictions, the spirit of murmuring is speedily changed to one of gratitude and thanksgiving.

When we shall have got rid of the egotism that makes us deem ourselves the only mortals to whom consideration is due, we shall have made an important step; when we have learned that we may derive more real happiness in seeking another's benefit than in laboring always for our own, we shall have arrived almost at our journey's end.

"Do all the good you can,  
In all the ways you can,  
To all the people you can,  
For as long as you can."

Above all, reject determinedly all disturbing thoughts; cultivate a cheerful countenance, thus diffusing sunshine all about you; accept thankfully the brightness that fall to your lot, and—pass them on. Sing merry songs, romp with the children in God's own sunlight as frequently as possible, and if you are blessed with a youthful heart this treatment will preserve the glorious boon, while persistent effort will even rejuvenate hearts that have long since passed their merry springtime. Then try

"To be happy whenever you may,  
And cry when you must—that is my way."

THE HOSTESS.

### Humorous.

It was a very thoughtful fare in Edinburgh, and as the old lady was exhausted with the stir and bustle she hailed a passing cab. The driver was at her side in a moment. Opening the door, he stood back to allow the lady to enter.

She made one or two weak efforts, but was unable to mount the step, and, at last, looking imploringly at the driver, she said:

"Help me, my good man, for I am very old."  
The driver gently assisted his fare into the cab, and then he gallantly said:

"Well, my dear, no matter what age you are, you should look it!"

His fare was increased by a shilling when the old lady reached her destination. And he deserved it.

## The Quiet Hour.

### "Lift Up Your Hearts."

"Thou wilt keep him in perfect peace, whose mind is stayed on Thee, because he trusteth in Thee."

Our last talk was about the danger of forgetting God; to-day let us consider the other side of the same question—the duty and gladness of remembering Him. "Touch Me not," said the risen Saviour, "for I am not yet ascended to My Father," but now that He has ascended we may touch Him, having "boldness to enter into the holiest," because our High Priest is there. Like Aaron, He bears our names upon His heart, "seeing He ever liveth to make intercession" for us. When the multitude thronged and pressed about Him, one poor woman forced her way through, and found help and healing by touching the hem of His garment. We can do as she did if only we are as thoroughly in earnest and as determined to reach Him as she was.

"Lo! amid the press,  
The whirl and hum and pressure of my day,  
I hear Thy garments sweep, Thy seamless dress,  
And close beside my work and weariness  
Discern Thy gracious form, not far away,  
But very near, O Lord, to help and bless."

Miss Havergal, in one of her beautiful poems describes a merry social gathering, in which she finds it possible to be alone in heart with Christ. There is a sudden hush while a song is being sung, and in that silence she seizes the opportunity to send through the light and music one happy upward glance. She knows that her Master is nearer still than all the merry throng, and she is filled with wonder at the thought of the marvellous gladness of being forever with the Lord.

"If such a thrill of joy can crown  
One upward look to Thee."

Let us pray as Isaiah did, that the Lord may be our arm "every morning," and then let us go out to our everyday work conquering and to conquer, because we are leaning on that invisible arm of God.

Your work may be pleasant and congenial, or it may be uncongenial drudgery. I know nothing of your circumstances, but God knows all about you. Be very sure that I never write a word in this Quiet Hour without asking Him to give me the right message for you.

The Master is close beside you; the duty which may seem so hard or so unimportant is placed in your hands by Him moment by moment. He never fails to give the work and discipline that is really needed, and the remembrance of His presence must fill each day with joy if we are trying to serve Him faithfully.

"The busy fingers fly, the eyes may see  
Only the glancing needle which they hold,  
But my life is blossoming inwardly,  
And every breath is like a litany,  
While through each labor, like a thread of gold,  
Is woven the sweet consciousness of Thee!"

The world can understand happiness, but what does it know of the joy and peace so often mentioned by our Lord in that last solemn talk with the disciples before His death—a joy that was so strong and bright even then when He was facing unutterable agony. Surely the words are wonderfully true—"There has been a joy in dungeons and on racks passing the joy of harvest, a joy strange and solemn and mysterious, even to its possessor; a white stone dropped from the signet-ring of peace, which the dying Saviour took from His bosom and bequeathed to those who endure the cross, despising the shame."

If we remember that God is with us, we shall be prepared to dare any danger and any difficulty in fighting His battles and extending His kingdom. The young David went boldly to conquer Goliath, because He trusted confidently in his invisible Helper. So, when Robert Morrison was preparing for his great mission to China, and someone asked, "Now, Mr. Morrison, do you really expect that you will make an impression on the idolatry of the Chinese empire?" he was ready with his answer, "No, sir, but I expect that God will." Was his confidence misplaced? I saw the other day that in 1900 many thousand Chinese Christians gave up their lives for Christ.

At this time of the year, when God is everywhere filling dry sticks with new life and making them bud and blossom, let us see to it that our lives are not hard, dry and unprofitable. The rod of Aaron "brought forth buds, and bloomed blossoms, and yielded almonds." Why? Because it was laid up "before the Lord." Our lives will be beautiful and fruitful if we are careful to abide in the true Vine, drawing life and nourishment from Him every day, and all day. Do you remember what Abimelech said to his mother's brethren? He asked whether they were better off with seventy people to reign over them or with one ruler, and he ends with the touching appeal, "Remember, also, that I am your bone

and your flesh." So our King speaks to us, His mother's brethren, reminding us that He is indeed our bone and our flesh; and that if we obey Him, our lawful Ruler, we shall be far better off than if we submit to the many masters which the world and Satan try to impose on us. When called to lift up our hearts, let us answer solemnly and truthfully, "We lift them up unto the Lord." Let us fix our eyes steadily on our Master's face, that He may be able to guide us with His eye. But you may say, "Yes, it is all very well to talk about remembering God every day and all day, but it is not an easy thing to do." That is true enough, but though we fail every day, that need not discourage us altogether. "Because the King is near of kin to us," He will be very patient and very forgiving if He sees that we are determined to improve. We may give each day trustfully into our Father's hand, at its close as well as at its beginning, saying:

"Take unto Thyself, O Father!  
This folded day of Thine,  
This weary day of mine,  
Its ragged corners cut me yet,  
Oh, still the jar and fret!  
Father, do not forget  
That I am tired  
With this day of Thine."

"Breathe Thy pure breath, my Father,  
On this marred day of Thine,  
This wandering day of mine;  
Be patient with its blur and blot,  
Wash it white of stain and spot,  
Reproachful eyes! remember not  
That I have grieved Thee  
On this day of Thine."

HOPE.



### The Princes in the Tower.

Could any story ever be more touching than that of poor little Edward 5th, with his brief term of nominal kingship, and of his young and equally ill-fated brother, Richard, Duke of York? The painter, Millais, has well caught the stony look of dread and horror which must have been frozen upon their faces from the moment when the big gateway of that cruel Tower clanged behind them, as they were thrust by cruel hands within it. It was in 1674, two hundred years after, that some workmen, digging within the precincts of the Tower, found a chest containing the bones of two youths, apparently about the age of the young princes, so, the fact being taken for granted, the little deposed king and his brother were interred afterwards in Westminster Abbey. Visitors from Canada would certainly be shown the spot wherein, their sorrows over, they at last repose in peace. H. A. B.

"Mr. Punch's" Proverbial Philosophy.—It's an ill wind that escapes from the tire. It is the professional palmist who scores off every hand. As the twig is bent the boy is inclined—to run out of the door. Whom the gods hate is hissed off the stage. Never weigh the big fish story—the scales may be found wanting.

### The Welcome at the Door.

There is a home I visit sometimes which has a special charm. The mistress, who answers your ring, is blind, but before you can say a word, with beaming face she cries, "How glad I am to see you!" No matter how inopportune the call may be, it is always with radiant delight and cordial words that every one is greeted.

I wondered about it—how it could always be the same welcome, for I knew there were domestic whirlwinds that upset her work and plans just like in other homes. I somehow concluded that it was her special gift, one of her compensations, and so settled the matter. Later, this same subject of the welcome—or unwelcome guest, and treatment thereof, coming up in a little circle of friends, I was interested to find my friend quoting her mother, and then I found the solution. Her mother had taught her that no matter how the unexpected guest may find you, unprepared in every way, let your first welcome be generous and instant. Let no thought pantry-ward make your greeting constrained or apologetic.

Give the cordial greeting that cannot be forgotten, and the responsive glow in the heart of the guest will gild deficiencies which may afterward appear; but no after effort can make a guest forget a chill and constrained welcome at the door. This little word has been of service to me, so I give to others.—[Ladies' Home Journal.]

## The Children's Corner.

### Billy.

Billy was a boy of fifteen, who had enlisted with the army. He was rather young for a soldier, but it was his business to wait on the captain. One day he was nearly broken-hearted because his master had called him a coward. Someone had to go out to the well for water, and it was a dangerous thing to do, because the muskets of the enemy were ready to put a bullet through anyone who attempted to go near it. "You'll never make a soldier!" said the captain, "you're a young coward!"

Billy tried to explain that he wanted to be a brave man and fight for his country, but his mother was a widow, and if he were killed she would be all alone. But the captain only laughed mockingly, and the poor boy went off behind the tent and cried like a baby. A few days later he got a letter from his mother which made him ready for anything. It ended with the words: "Above all, my boy, never shrink from a dangerous duty on any account, even mine. Show yourself a hero, as your father was, and his father and mine. Remember that night and day I pray for you, my darling."

That very day came the opportunity to show that he was no coward. An orderly, carrying dispatches, was shot down within a few hundred yards of their trenches, and the captain asked for volunteers to bring in the valuable papers. Four tired and dusty men came forward, but before one was picked out for the dangerous duty a shrill voice was heard saying, "I'm off, captain!"

Then someone scrambled over the top of the embankment and crawled off like a snake towards the dead body of the orderly.

"Who is it, sergeant?" said the captain.

"I can't make him out," was the answer, "it's too dark to see plain."

After straining his eyes for a while the captain grew thirsty, and sent a private for his canteen. "Get it from Billy," he said, but the private soon came back and reported that Billy was missing.

"He's deserted, I'll bet!" said the captain to one of the officers; "I told him he was a coward."

Then came a sudden sound of firing. "They've spied our man!" exclaimed the sergeant. "That's what they're blazing away at."

"What's he doing?" asked the captain.

"He's got the dispatches in his mouth, and now he's coming back on all fours. Whew! Listen to the firing! They're bangin' at him with every musket they've got behind their old mud-pile. Now he's up and running. No, down he goes!" was the excited shout, and the four volunteers rushed out and brought him in with a bullet through his heart.

"A brave man," said the sergeant, "and he died a soldier's death, though he was shot in the back."

"Who is he?" said the captain, as he took the dispatches and another paper which had fallen out of the dead soldier's pocket.

One of the men lowered a flickering torch, so that it lighted up the white face. The boyish lips were smiling, and the captain gave a smothered groan as he looked. "Why, it's Billy," he exclaimed, "and this paper is a letter from his mother, I suppose." After glancing at it he said quietly, "He spoke the truth the other day. This letter came since then, and he has obeyed his mother's orders and shown himself a hero." Then the captain walked sadly away to write to the lad's mother.

Billy certainly was a hero, but don't you think

that perhaps he showed greater courage in submitting to be thought a coward for his mother's sake than even in making that exciting rush which cost him his life? A hero is only a person who does his duty; no soldier can do more than that. Of course it is not an easy thing, and most heroes fail sometimes. None of us really expect to find a perfect boy. If we did meet a juvenile phenomenon, like the one described in the following verses, we should expect him to sink in to an early grave.

"He can't be got to stop up late,  
Whatever folks may say;  
At half-past seven every night  
He puts his toys away.

"He puts his toys away, remark—  
He doesn't leave them all  
About the floor, where 'grown-ups' may  
Trip over them and fall.

"He keeps his collar and his clothes  
Immaculately clean;  
He wipes his boots upon the mat  
When through the mud he's been.

"He learns his lessons with a will,  
And never skips them—no!  
He never plagues his sisters, and  
That's why they love him so.

"When with his trumpet and his drum  
He innocently plays,  
If he is told to 'stop that noise,'  
He instantly obeys.

"A sullen brow he never wears.  
He never says, 'I shan't!'  
Nor does he ever cry, 'I won't!'  
Nor does he whine, 'I can't!'

"He's ne'er been seen to tease the cat,  
And when his dinner's o'er,  
He doesn't, as he leaves the room,  
Contrive to bang the door.

"That I can't quite give you his name  
I am obliged to own,  
But he is Madame No-one's son,  
Who lives in Nolandknown!"

I don't suppose that Billy was quite as angelic

as that, but he loved his mother, and probably showed it by being kind and thoughtful for her in hundreds of ways. She must have missed her boy when he went to the war, and she had to carry wood and water, dig a path through the snow, feed the pig and the cow, and attend to all the other chores which Billy was proud and glad to do for her out of school hours. Would your mother have reason to miss you very much, do you think?  
COUSIN DOROTHY.

### Domestic Economy.

#### TO PREVENT DUST.

When sweeping, tear paper into fine bits and soak it in water. Squeeze the water out; then sprinkle the damp paper on the carpet before sweeping. Damp tea leaves may be used on dark carpets, but never on light ones.

#### WHY IRON RUST COMES ON CLOTHES.

If the water used in laundering contains iron the clothing is liable to become iron-rusted. A common source of rust is the bluing. Much of the liquid bluing contains iron. When the clothing is not rinsed free of soap, the iron in the bluing combines with the soap and causes the rust stain. The remedy is to have the clothing rinsed free of suds, or to use ball bluing.

#### SANITARILY CLEAN.

To keep a house in a perfect sanitary condition does not mean that you must be sweeping, dusting and scrubbing all the time. Let the air and sunshine into every part of the house; do not allow any decaying matter to accumulate in the cellar; wash and dry all cleaning-cloths, tubs, pails, etc., as soon as you have finished using them. It is not so much the dust that is in full sight, as the dust, dampness and decay in dark places, that makes a dwelling unsanitary. Brooms, brushes, dusters, etc., need frequent washing and thorough drying.

#### TO REMOVE INK FROM A CARPET.

Of ink stains, as of all other stains, it may be said that the more promptly they are treated the more easily they are removed. Rub the stain with a strong solution of oxalic acid. If the

rubbing does not remove the stain, make the spot quite wet with the solution, place a piece of cloth over it, and then apply a hot iron. It may require wetting several times. This treatment will change the color. Sponge with clear water, then with diluted ammonia water. It is almost impossible to remove the stains made by some inks.

#### SMALL POTS FOR PLANTS.

It was for several years a wonderment to me how a certain lady always had such a fine display of blooming plants in winter. True, she gave up the best windows in her house to her plants, but, while they had plenty of light, they had but little sunshine. Only for a short time in the morning the rays struck diagonally across the plant stands. One spring I happened to call on her when she was taking her plants out of the windows, and I was utterly amazed at the small size of the pots. Large geraniums, full of bloom, were growing in four-inch pots, or smaller. It was a revelation to me. On inquiring of a florist, I was told that the reason the plants bloomed so freely was because they were "pot-bound." I shall profit by that knowledge in the future.

Another lover of flowers, whose means are not ample enough to justify her in any extravagant outlay in the purchase of pots, always puts her geraniums in tin cans, rather small ones, at that. The plants are covered with blossoms all winter, and are a source of great pride and pleasure to the owner.

A child may often be expected to put his or her heedless little foot in it, as the phrase goes. For instance, a youngster one day begged an invitation to dinner at the house of a little friend with whom he had been playing. At the table, his hostess anxiously inquired: "Charley, can you cut your own meat?" "Humph!" said the youngster, who was sawing away; "Can't I? I've cut up quite as tough meat as this at home." People who are destitute of tact might take warning from such juvenile malaprops, but such does not often appear to be the case, judging by numerous examples to the contrary.

### GOSSIP.

John E. Smith, of Brandon, breeder of Clydesdales and Shorthorns, has at present quite a large stock on hand. In Clydesdales stallions, he has seven, five of them between two and three years old, and the others are yearlings. Darling's Prince Charles, sire Prince Charles (imp.), dam Grace Darling 3rd, by Pit-four Darnley (imp.), is one of the oldest. He is a big fellow, thick and heavy made, with lots of bone. Another is the well-known Little Bobs [2792], sired by Rankin's show winner, MacBain, dam Queen of Beresford, by Lord Randy (imp.); grandam Lady Kenmuir (imp.). Little Bobs, as most of our readers will remember, won first as a yearling at Winnipeg in '91, and was described then as being "a blocky, drafty colt, with bone and feather enough for any Scotchman," and the same can be said of him to-day. These colts are all good, drafty fellows, most of them possessing abundance of size. Darnley [3059], Prince Charles 2nd and King Edward were all sired by Prince Charles (imp.), and make a very fine trio. The two yearlings are also promising: one sired by Sherlock (imp.), dam Maggie Beresford, and the other was sired by Raphael (imp.), dam Bessie of Overlaw (imp.), also the dam of Mr. Rankin's MacBain. Mr. Smith has also six Clyde fillies and quite a few mares of good breeding, three of which will be all that we can mention at this time: Princess Charles, sire Prince Charles (imp.); dam Maggie Beresford, by Sir Donald A. Dam of Maggie won at Toronto, in Canadian class, first prize, diploma and silver medal. Lady Minto, sire Prince Charles (imp.); dam Bell Beresford, by Lord Randy (imp.); grandam Lady Kenmuir (imp.), by Kenmuir's Prince, he by Prince of Wales. Bessie Beresford, same sire; dam Lady Overlaw, by Carwath (imp.); grandam Bessie of Overlaw (imp.)

In Shorthorns, over 150 head are at present on the farm, and a bunch of yearling and two-year-old heifers, totaling 30, chiefly sired by Golden Measure, from Lord Stanley dams, are in fine shape. A very even lot, with good constitution and smoothly turned. At

present, over 25 spring calves can be seen, showing that the breeding condition of the herd is in good shape. Golden Measure (imp.), a Duthie-bred bull, is one of the present sires in use. He is a strong, straight animal, noted as a sire of high-priced stock. The other stock bull is Stanley, sire Topman, dam Roan Princess (imp.). He is a deep, long bull, with a very masculine appearance, great heart-girth and a strong back.

In the house, there are three very pretty young canaries, lately hatched, which attract considerable attention, not only from visitors, but also from the entire household.

#### HIGHLAND STOCK FARM.

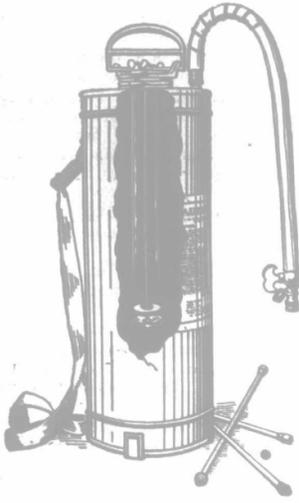
Mr. John R. Campbell, proprietor of the Highland Stock Farm, Utica, Minnesota, recently, in sending us a change of ad., states that he still has twelve young Aberdeen-Angus bulls of select breeding and prime quality for sale. Those interested in Aberdeen-Angus stock will do well to look up Mr. Campbell's ad. and there see the list of choice stock bulls kept at his farm.

#### TRADE NOTE.

ONE OF THE MOST CONVENIENT DEVICES about the farm is the substitution upon an old wagon of low steel wheels for the high and worn ones. This scheme furnishes a very substantial truck at the very lowest cost. Wheels for this purpose are now being made by the Dominion Wrought Iron Co., of Orillia, formerly of Toronto. About three years ago the company began making these wheels in a small way, but the demand for them was so great that they have had to enlarge their capacity every year. During this month the entire plant was moved to Orillia, where a large force of men in a commodious factory will continue to supply the ever-increasing demand for steel wheels and low, handy wagons.

#### WANTED ALIVE!

ALL KINDS OF LIVE WILD BIRDS and ANIMALS, particularly White Cranes, different species of Ducks, Prairie Fowl, Swans, Geese, Mink, Beaver, Mountain Sheep and Goats. High prices paid. Write me.  
CECIL FRENCH, 718 12th St., N. W., Washington, D. C.



**ONE on EVERY FARM.**

**For Sprinkling** Plants and Flowers.  
**Spraying** Shrubs, Trees and Potatoes.  
**Washing** Windows and Buggies.  
**Spray** your Cattle and Horses in Fly Time.

Only weighs 49 lbs. when filled. Can be operated by a boy. Just the thing for Paris-greening potatoes. Write for catalogue and particulars to

**GOODLANDS & FOOTE,**  
GENERAL AGENTS,  
Bannatyne Ave., WINNIPEG, MAN.

Tae Auto-Spray. Price \$6.50 Each.

A. NAISMITH,  
President.

R. M. MATHESON,  
Vice-President.

A. F. KEMPTON,  
Sec'y and Manager.

C. D. KERR,  
Treasurer.

Authorized Capital - - - - \$500,000.00

## The Occidental Fire Insurance Company.

Head Office: Wawanesa, Man.

Full Government Deposit.  
AGENTS WANTED  
in unrepresented districts.

Advertisement on this page. Kindly mention the FARMER'S ADVOCATE.

# EASTLAKE

## Steel Shingles

THE SAFEST CHOICE FOR ALL FARM BUILDINGS.

BECAUSE—They can be quickly and easily laid by any handy man; are lightning-proof; prevent fire; and are the most economically-durable shingles you can find.

Either Galvanized or Painted.

MADE BY  
Metallic Roofing Co., of Toronto

SOLD BY  
**Merrick, Anderson & Co.**

Bannatyne Ave.,  
WINNIPEG, MAN.

## FARMERS, LOOK HERE!

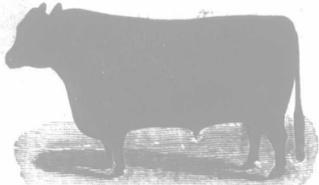


The Private Secretary is the most complete work on the market. Every farmer should have a will. It don't cost you five cents to draw up your own. This book shows you how to do this, besides other business forms. It also has a thumb-indexed ready reckoner and cash account, besides pages for memorandums, in all 400 pages. Calendars for six years are set in the most convenient position for quick reference and a file for carrying notes, cheques, etc., without folding. Indelible pencil with each book. All bound in good cloth covers and sent postpaid to any address on receipt of only \$1.00.

R. W. LYONS, Accountant and Conveyancer,  
Griswold, Manitoba.

### HIGHLAND STOCK FARM.

Pure-bred Aberdeen-Angus Cattle.  
Clydesdale Horses.



SIRE IN SERVICE.—Beauty's Eclipse 28474, sire of the steer Advance, that sold for \$2,145; Allenhurst King 2nd 38420, a son of Valiant Knight 2nd, that won three first prizes at the Chicago Internationals; and Eric M 50893, a son of Gay Lad and half-brother to the undefeated Rosegay.

12 YOUNG BULLS from this fashionable blood, at farmers' prices. Come and see or WRITE

**JOHN A. CAMPBELL,**  
UTICA, MINNESOTA.

Everything Guaranteed.

## The "Improved Dewey" Double Stock Waterer.

(Patented April 24, 1900.)

Ninety five per cent. of all Waterers sold are "Improved Deweys"—strong but true. Attachable to tank pipe or barrel. The "Improved Dewey" never gets out of order; no repairs necessary; so simple a child can attach it; unquestionably the only satisfactory Waterer made. Can be used for hogs, calves, sheep and poultry. Buy now—they will pay for themselves in one month's use. Every farmer needs one or more of them, even if he does not raise more than four hogs. For sale by

**ROBERT M. MOORE,**  
WINNIPEG, MANITOBA.

**\$45 WEEKLY SELLING ACME PUMP GOVERNORS.** They make all pumps work easy, and fit all kinds of pumps (iron or wood). Mills run with one-half less wind. Agents exclusive territory. Its merits sell it. **PUMP GOVERNORS, 174 Princess Street, WINNIPEG, MAN.**

### TRADE NOTES.

A WHITE SILK WAIST will interest the ladies in thousands of farm homes in which the "Farmer's Advocate" is a welcome visitor. For a bargain in that line, see the mail-order advertisement of the T. Eaton Co., Toronto, elsewhere in this paper, for description and terms.

BURRIDGE & COOPER.—This firm have removed from their former quarters, 124 Princess St., to their new, commodious and convenient premises on Henry Ave., Winnipeg. The building is 128x30 feet, and will give them ample room for some time at least, for the storage of their large and varied stock. The firm deals in grain elevators, steam and gas-line engines, rubber goods, threshers' belts, split-wood and iron pulleys, and all kinds of wood and iron working pertaining to elevator equipment. They are able to supply anything required in the machinery section of elevators, no matter what size, on short notice. Messrs. Burridge & Cooper are steadily executing large orders in iron-working tools and other branches of their extensive and growing trade. A specialty is made of their thresher's belt. They execute repairs and do general jobbing in all branches of their business. They are agents for Goldie & Macculough, Galt, Wheelock and Ideal engines.

WATERLOO THRESHING MACHINERY.—The well-known and highly-finished threshing machinery turned out by this company always commands a large share of the thresher's patronage. The Waterloo company manufacture a high-grade, well-finished and free-running separator and engine. The finish is beautifully artistic and pleasing in color and form, and it can be seen that no pains are spared and that great ingenuity is exercised in the construction and finish down to the most minute details. Customers can be supplied with engines ranging in horse-power from 14 to 24, either simple or compound, with separators to suit each respective horse-power. Two separators are manufactured by the company, The Champion and The Advance Champion, and also for each machine the most recently improved accessories in automatic feeders, wind stackers and baggers can be had. The company will be pleased to supply intending purchasers with catalogues, price list and particulars on receipt of a post card addressed to Waterloo Manufacturing Co., Limited, Winnipeg, Man.

THE CENTRAL CANADA INSURANCE CO.—This company have now added to their former general business a live-stock insurance and an improved scheme of hail insurance. The name of the company is changed by the omission of the word fire in the new title, and the headquarters are changed from Wawanesa to Brandon. The hail insurance is planned on a highly commendable principle by which a higher rate is charged in districts where hail storms have been most frequent during the past ten years. The premiums range from 3.2 per cent. on land where no hail storm has fallen for ten years, to 10 per cent. on land which has been four times visited by hail storms during that period. There are three intervening classes—five classes in all—and the system cannot fail to appeal to one as a fair one. Live-stock insurance being something new in the West, the company have based their tariff rates and conditions of insurance on information procured from companies doing this line of business in the United States, and, in the meantime, insurance is confined to pure-bred stock. Exceptions are made with regard to certain diseases and operations, against which the company does not insure. These are: glanders, tuberculosis, castration, wilful or accidental poisoning, or slaughter by order of Government or authorized agents of Government. The president of the company is Frank O. Fowler, Esq., and Jas. Cornell, Esq., is secretary and manager.

### SALE OF SECOND-HAND

## PIANOS and ORGANS

These instruments are in good condition, and worth double what we are asking.

1 Vose Upright Piano	- -	\$175 00
1 Wheelock Upright Piano	-	175 00
1 Steinberg Upright (new)	-	175 00
1 English Upright	- - -	60 00
1 Karn Organ, 11 stops	-	70 00
1 Doherty Organ, piano case, 6 octaves	- - -	75 00
1 Doherty Organ, 6 stops	-	30 00
1 Canadian Organ Co. Organ	-	30 00
1 Daniel Bell Organ	- -	30 00

10 PER CENT. OFF ABOVE PRICES FOR CASH.

SEND FOR OUR CATALOGUE AND PRICES OF

## Morris Pianos and Apollos.

**S. L. BARROWCLOUGH & CO.**

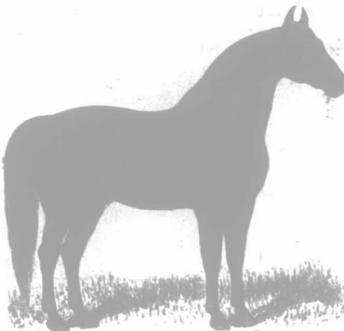
228 PORTAGE AVE.

The latest popular and standard music at Barrowcough & Sample's. Write for Catalogue.

## Alex. Galbraith & Son, Janesville, Wisconsin, and Brandon, Manitoba, Have a Few Choice Stallions Left

They offer at a special bargain. New importation of prizewinners of the various breeds will arrive in August. Buying orders executed on commission.

## Horses, Horses, Horses



Drivers, work horses and brood mares; a choice, smooth lot to select from. All passed by a veterinary surgeon. You can get a pair of dandies for \$350.

## Range Percherons

300 head. The same as we sold last year, many of which are now used as fire horses in some of America's leading cities. Will be on hand on June 5th at our stables.

### Buggies and Harness

of the best always on hand.

Call and see us when in Brandon.

## TROTTER & TROTTER,

Three Blocks East of Station.

BRANDON, MANITOBA.

### GOSSIP.

The Clyde stallion, Prince of Crichton (imp.), recently purchased from Alex. Galbraith & Son, is a young horse of strength, substance and quality. He was sired by the famed MacGregor, he by Darnley, and the dam of this promising horse was sired by Gerard. Prince of Crichton is a splendid young horse, and his fine breeding and general conformation cannot fail to prove an acquisition to the district wherein he now resides.

Hon. Wm. Beresford, Bowness Ranch, Calgary, writes as follows: "When I was down east I purchased the young bull, Royal Edward, which you described in one of your back issues. He is by Imp. Merryman, out of Imp. Princess Thule 3rd, bred by Mr. Arthur Johnston, of Greenwood. He is, as you said in your paper, an animal of exceptional merit, and I intend showing him at the summer show here, where he ought to do well."

## GOSSIP.

D. Smith of Gladstone, keeps a large number of pigs, principally grades, which he feeds for the market. On an average, about 100 fat hogs are annually shipped from his farm. A few Yorks and Berks are also kept for breeding purposes. A number of steers are fed each winter, usually from 10 to 12. A few Short-horns and Jerseys are kept, besides quite a number of grade cattle.

Jas. M. Ewens, of Minnedosa, has about 25 Berkshire pigs, besides spring litters. His stock boar, Emperor, won first at Winnipeg when under a year, and second in yearling class. He was sired by General White. Several of Mr. Ewens' sows have won at Winnipeg. Jubilee Bell and May Queen have each been awarded first there. A nice bunch of Shorthorns, 15 head strong, are also kept.

The following sales of Herefords have been recently made from the herd of Mr. J. A. Chapman, Beresford, Manitoba: Earl of Island Park, first-prize bull calf at Winnipeg and Brandon fairs, 1902, to W. J. Willoughby, Ninga, Man.; Little of Island Park, two-year-old heifer, to A. E. Thompson, Wakopa, Man.; Halton 2nd of Island Park and Hero of Island Park, to F. Mackenzie, Sheadle, Alberta, N.-W. T.; Clifford of Island Park, to Alex. McNeil, Brandon, Man., and three two-year-old heifers, sired by Imp. True Briton, to Mr. W. E. Dorsett, of Kemnay, Man. Their names and numbers are as follows: Buttercup 2nd (2014), Hillside Beauty 2nd (2018), and Prosy 3rd (2027). Mr. Chapman finished seeding on the 4th of May.

## CHERRY GROVE FARM.

J. J. Stewart, of Gladstone, has about 50 pure-bred Yorkshire pigs. One of them, Empress of Prairie Home, a fine, long, smooth sow, has had fifty pigs in her last three litters. The present stock boar is Dick of Prairie Home. He is about eighteen months old, and is a smooth, growthy pig. Several of the sows have litters at present.

## THE Columbia Gang Plow



### A STRONG PLOW FOR HARD WORK.

The "Columbia" may be equipped with regular Breaker Bottoms, thus adapting it to the stiff Prairie sod. The service given a Gang Plow in the Northwest is very severe, and the great popularity of the "Columbia" is due to the fact that it is made strong throughout. The beams are extra heavy, and the frame and bails very stiff. That the "Columbia" is well fitted for heavy work is well shown by its wonderful success in the Dakotas and Canada. No work in the matter of plowing can be so exacting that the "Columbia" will not fill the requirements.

MANUFACTURED BY

ROCK ISLAND PLOW CO., Rock Island, Illinois.

JOHN STEVENS, Gen'l Agent,  
Winnipeg, Manitoba.

## TRADE NOTES.

THE PARIS DISK HARROW.—Stewart & Metcalfe, the Winnipeg agents for the Paris Plow Co., Paris, Canada, have at present on the market a highly perfected disk harrow. The disks are of good thickness, and great attention is paid to the important matter of polishing, which, along with an automatic method of cleaning, renders it impossible for the disks to load up, even in the stiffest soils. Structural steel is used in the building of all implements turned out by this company, and dust-proof bearings keep the machines running smoothly and freely. The company place before the public high-grade implements at a moderate price. This firm are also handling windmills, and are sole agents for the Red Cross make in Western Canada. This is a new feature of this business, and as the windmill is used largely in the West for grinding, pumping and many other purposes, there is no doubt but that this addition will prove satisfactory.

## LIVE WILD BIRDS AND ANIMALS.

We would desire to draw the attention of farmers, farmers' sons, trappers and sportsmen generally to Dr. Cecil French's advertisement running in the "Farmer's Advocate." Dr. Cecil French wants to be supplied with live wild birds and animals, the various species of which are enumerated in the advertisement. It is our pleasant purpose in this case to point out that attention to this matter will put money in the pockets of our readers, and will involve no outlay, while occupation in the business will afford those who may engage in it a liberal education in natural history, along with the exhilarating excitement of the sportsman.

The highest prices are paid by Dr. Cecil French for birds and animals reaching his establishment alive.

By writing to Dr. Cecil French, 718 Twelfth Street, N. W., Washington, D. C., full particulars and all necessary information on the subject will be sent to enquirers.

# Eleven Lucky People

The eleven lucky people who secure these instruments will receive the greatest bargains ever offered by the music trade in Winnipeg. We have had to give up our large storage depository, and although we have moved our Piano Warerooms into new and more commodious quarters, we have no room for anything but our new stock. Rather than store, we sacrifice, and as we have only seven short days to get rid of them, we have set down the ridiculous prices shown.

To make it still easier and surer, you may pay for them in monthly instalments of from \$3.00 to \$5.00. If you live outside the city, drop us a card. We can deal with you as easily and satisfactorily as if you were here.

A Ten Per Cent. Discount on all New Organs.

### Organs

None of these are worn-out and worthless, but are in first-class order, and will give splendid satisfaction.

The first order received, no matter from where, will have first choice.

Write quick.

Bell & Co. (7 stops).....	\$30
Bell & Co. (5 stops).....	\$35
Williams (7 stops).....	\$35
Williams (9 stops).....	\$40

Order Quickly.

### Square Pianos

Get one of these for the children to practice on, and save your piano. If you have no piano, one of these will not shame you. In splendid order.

D. E. Manor (square).....	\$75
R. S. Williams (square)....	\$85
Haines Bros. (square)....	\$95

Order Quickly.

### Organs

The prices named here are not more than one-third of the value when new. Many would say they are better now than when they were new. Will we hear from you?

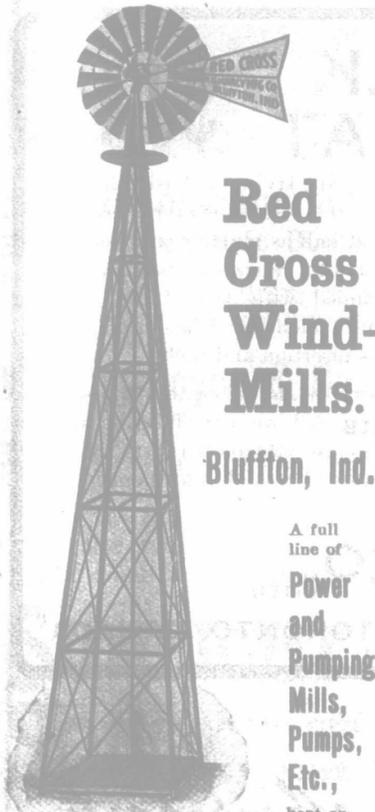
Bell & Co. (13 stops).....	\$45
Bell & Co. (10 stops).....	\$45
Doherty (12 stops).....	\$50
Bell & Co. (10 stops).....	\$95

Order Quickly.

## Mason & Risch Piano Company

356 MAIN STREET, WINNIPEG, MANITOBA.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.



**Red Cross Wind-Mills.**

Bluffton, Ind.

A full line of Power and Pumping Mills, Pumps, Etc., kept on hand.

ALL GOODS GUARANTEED FIRST-CLASS.

Write for circulars and prices to

**Stewart & Metcalfe,**

Sole Agents Western Canada,  
Corner Logan and Nona Sts.,

Winnipeg,

Manitoba.

**Hail Insurance**

Under management well known throughout the West as having been very successful in handling this class of business.

The

**Central Canada Insurance Co'y**

solicits your patronage this season. Our rates are reasonable and the conditions of our policy fair and equitable. See our local agent, or write to

**JOS. CORNELL, Manager,**

Brandon, Man.

**ISLAND PARK HEREFORDS.**

This herd has a splendid show record, and is headed by Lord Ingleside 6th, winner of Diplomas, Silver Medal and several firsts at Winnipeg and Brandon.



A carload of the choicest young Herefords brought out lately from the east. Twelve bulls and eight heifers for sale; bulls ranging from 1 to 2 years of age, heifers 2 years. This lot sired by True Brit (imp.) and Baronet (imp.). Stock bull for sale, heifers with calf to him.

J. A. CHAPMAN, Beresford, Man.

**GOSSIP.**

Baron Douglas, an imported Clydesdale stallion, recently sold by Alex. Galbraith & Son to a Yorkton syndicate, is considered one of the best horses brought across the water last year. In our issue of December 5th, '02, his photographure appears on page 867. He has lots of quality and style, good flat bone and action seldom equalled. His sire, Sirdar, sold for \$7,500.00 after winning all the highest honors in Scotland, including the championship at the Royal Show in 1887. Baron Douglas' dam is Princess of Drumlanrig, by Prince of Wales; grandam by Sanguinar, he by Darnley. The Yorkton syndicate deserves commendation on their selection, for Baron Douglas is undoubtedly one of the choice ones of the breed.

Mr. Hunter Smith, of Brandon, Man., whose ad. appears in this issue, has a number of Hereford bulls for sale, fit for service, all Western bred. These bulls are in good condition, and anyone desirous of purchasing Whitefaces will do well to call on or write Mr. Smith.

A good farm, at a bargain, can also be bought from Mr. Smith at the present time. The farm consists of 300 acres, and can be sold entire, or should some buyer prefer a section or quarter-section, he can be suited exactly by calling upon Mr. Smith. This farm is adapted for wheat or stock. The railway passes within a quarter of a mile of it. A full section of it is fenced. It is on the south side of the Assiniboia River, about two miles west of Brandon, and commands a fine view both of the river and the Brandon Experimental Farm. Brandon is well known as one of the choice wheat centers, and, besides, it is also a business center. It is always an advantage to anyone desirous of keeping pure-bred stock to be near the main line of railroad, for intending purchasers of stock are then much more likely to visit and buy. This farm is admirably suited in many ways as a stock farm.

Mr. A. E. Thomson, Wakopa, Man., has had a very successful season with his O. I. C. swine. Three first-class sows have dropped litters aggregating twenty-nine pigs in the month of April. The three litters are sired by different boars, and as there is no consanguinity between the sows, Mr. Thomson can supply customers from the litters on hand with pairs and trios not akin. One litter of fourteen is sired by Hill Grove Premier. He is out of Linden Queen, 2288, and sired by Hill Grove Conqueror 3439. Linden Queen was shown only once, at Winnipeg Industrial, that was in 1901, and she won first prize in breeding sows class. Hill Grove Conqueror was shown in the two-year-old class when thirteen months old, and took the second prize in that class. This herd is founded on some of the best strains of O. I. C. swine in Ohio, Iowa, and Illinois. Mr. Thomson has sold and shipped more O. I. C.'s than any other breeder in the Northwest.

Mr. Thomson's stock bull, McKimley (1596), has come through the winter in grand form, and his calves all bear the stamp, type and color of their Hereford sire. A fine young cow, purchased as a heifer from Mr. Chapman, Beresford, Man., has done exceedingly well, and is due to drop her second calf about the end of this month. Mr. Thomson has a good, well-marked stock of Barred Rock fowl, and can supply customers with a few settings of eggs. The poultry is headed by a Woods cockerel.

**ROSEVALE FARM.**

W. J. Miller, of Solsgrith, has a nice little Hereford herd, headed by Earl of Poplar Grove—1497—, sire Spotless of Ingleside, dam Isabel, by Cronkhill Chief. This sire is leaving splendid stock. He is a thick, low-set, deep animal, with a strong, broad, well-fleshed back and loin, full, deep hind quarters and smooth shoulders. In the herd there are eight cows, seven of them with promising young calves at foot sired by Earl of Poplar Grove, and the eighth will calve shortly. A few well-developed young heifers are also at home at Rosevale Farm.

**Now's the Time For Separators.**

Now's the time for Separators, big or little.

20,000

**DE LAVAL**

Machines have been sold during the month of April, going to every country in the world.

**AS MANY MORE**

Will be sold during the month of May. The demand was never half so great before, and the superiority of the DE LAVAL machines was never before so pronounced.

Only Regular Award, Chicago, 1893.

Grand Prize, Paris, 1900.

Only Gold Medal, Buffalo, 1901.

A DE LAVAL CATALOGUE may be had for the asking.

**DE LAVAL SEPARATOR CO.**

WESTERN CANADIAN OFFICES,  
STORES AND SHOPS:

248 McDermot Ave.,

WINNIPEG, MAN.

MONTREAL  
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**EVER GROWING  
EVER GOING  
EVERLASTING.**

Our Aermotor trade is greater than our fondest hopes a year ago led us to expect. Ever Growing. The Chicago Aermotor, as a result of 5,000 practical experiments with the wind wheel, is today "The Mill which runs when others stand still." Ever Going.

Galvanized after completion, it will last a lifetime. Everlasting.

Our Windmill Book is yours. Kindly ask us for it.

**E. E. DEVLIN & CO.,**

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**80 RODS A DAY**  
This handy little machine will weave 60 to 80 rods of wire fence in a day. Works so easy a boy can run it. Weaves up rights on any size of smooth or barbed wire. Best new fence machine made. Can make meshes any size you want to turn little chicks, horses, cattle, etc.  
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**CIDER MAKERS' MACHINERY**  
Best and cheapest. Send for catalogue.  
**DOOMER & BOSCHERT PRESS CO.,**  
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**BROME GRASS SEED FOR SALE.**

One-hundred-pound lots at 10c. per lb. Apply to

**M. W. THOMPSON, SHOAL LAKE, MAN.**

**CLYDESDALES**



Early in August my entire stock will be sold by auction—one imported stallion, 3 yearling stallions, and 11 mares and fillies, 5 in foal to Fortune Finder (imp.).

**J. M. MACFARLANE,** Box 138, Moose Jaw, Assa.

**GOSSIP.**

**FLATT'S SALE OF IMPORTED YORKSHIRES.**

The history of Canada's successful export bacon trade has been rapidly made and covers but a few years. The evolution of a practically new and distinct type of swine in this country in less than a decade is a remarkable accomplishment in the science of breeding, and one reflecting credit upon the intelligence and genius of Canadian breeders, as well as upon their ambition and enterprise in rising to the requirements of the situation by so promptly providing the class of product called for by a discriminating but profitable market. In the attainment of this object, it cannot be denied that the Large English Yorkshires, with their great length and depth of sides, strong, slightly arched backs, well-sprung ribs, smooth shoulders and fleshy loins, have played a leading part, setting the standard of type to which breeders of other breeds have sought to attain. That the type is a profitable one has been amply attested by the improved market prices obtaining in recent years and by the increased prolificacy of sows of this lengthy, roomy, motherly sort. It makes a wide difference in the farmer's revenue whether a sow is capable of carrying and successfully mothering a dozen pigs of only half the number, and it is this capacity and qualification, together with their growthy nature and tendency to produce lean meat instead of fat, that has won for the Yorkshires their present popularity. A hog that can readily be grown to 500 lbs. or over at one year old without being made "hog fat," but covered mainly with juicy lean meat, is the kind the twentieth-century farmer wants and is going to have. The "lard hog" has seen his day, and is fast being displaced by the baconer that banks on his muscle, and the former will ere long cease to be a readily saleable proposition, as he is now an unprofitable one compared with his big brother of the bacon sort.

England provides the best market in the world for what are known as good Wiltshire sides. Denmark, Ireland and Canada at present produce the best bacon, and it is largely made from Yorkshire hogs and their crosses. Many of the large pork-packing firms in England have such a decided preference for Yorkshires that they strongly advocate and advise their use by the farmers of that country, and to show their faith in the fitness of their favorites for the purpose of producing the most suitable product have purchased male animals of this breed by the hundred and sent them to farmers in each district for use, free of charge, while the demand for Yorkshire boars from many European countries for the improvement of their product has grown to very large proportions. The Yorkshires have taken kindly to Canadian conditions, improving under the intelligent and judicious methods of management prevailing here, and requiring only the occasional introduction of fresh blood by importation from the fountain head to maintain their stamina and the vigor of constitution which is essential to the best results in the breeding of any class of stock. That they have admirably filled the bill for the bacon hog is amply demonstrated by the record that at the Toronto Industrial Exhibition, Canada's greatest fair, the first prize for the best export bacon hogs, open to all breeds and judged by representatives of the packing houses, has been won the last four years in succession by Yorkshires, and that at the Ontario Provincial Winter Fair, the Smithfield of Canada, for the last five years, with packers as judges, the Yorkshires have won in every instance the first award for export bacon hogs, while at the International Live Stock Show at Chicago, in 1901, in a competition of 100 entries for the best bacon carcass, D. C. Flatt & Son won first place with a Yorkshire. It is this grand record in which the Messrs. Flatt have played a prominent part, as well as their splendid success as prize-winners in the Yorkshire breeding classes in the various countries.

(Continued)



## WHITE SILK WAIST AT \$3.19

THIS cut represents one of our latest spring styles in Washable Silk Waists, and at **\$3.19** is, we think, the best value ever offered in Canada, being the equal of waists selling at half as much again outside this store. It is made of Japanese wash silk, in sizes 32 to 42 inches bust measure, has the new sleeve trimmed with wide tucks, back tucked, front trimmed with tucking and valenciennes insertion, and collar and cuffs finished with valenciennes insertion and tucks.

Cut this advertisement out and send it to us with **Three Dollars and Nineteen Cents** and we will forward this handsome waist postpaid to any address in Canada. If it prove unsatisfactory in any way return it and we will refund your money.

Address all orders to

F.A. **THE T. EATON CO.** LIMITED

190 YONGE STREET TORONTO, CANADA

Some people want quality, others price.  
Sensible people get both when they buy Blue Ribbon Tea.



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### This!

Just because you live on a farm is no reason why you shouldn't enjoy the privileges and advantages of a telephone—keep you posted on the markets, when to sell your stock, obtain weather reports, call a doctor in case of sickness, etc., etc.

We will be glad to furnish you with full particulars, estimates of cost, etc.

Write us to-day.

**ERNEST S. HARRISON CO.**

LIMITED.

264 PORTAGE AVE., WINNIPEG.

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## Trust Funds

AT LOWEST RATES OF INTEREST ON FARM PROPERTIES. WRITE US FOR FULL INFORMATION. GOOD RELIABLE AGENTS WANTED.

**National Trust Company,**  
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PAID-UP CAPITAL, \$1,000,000. RESERVE, \$270,000. OFFICE AND SAFE DEPOSIT VAULTS, 323-325 Main St.

## The Most Prudent Farmer

cannot prevent hailstorms damaging or destroying his growing crops, but prudence prompts him to do the best he can to protect himself, and he

## INSURES

them, selecting to carry his risk a company capably and efficiently managed and giving the requisite security to its Policy-holders. Investigation along these lines will result in him insuring in the

## Central Canada Insurance Co'y.

JOS. CORNELL, Manager,  
Brandon, Man.

any advertisement on this page, kindly send to THE FARMER'S ADVOCATE.

# Music

**Musical Instruments, Sheet Music, Music Books**

And everything known in music. We have the largest and best selected stock of these lines in Canada to select from. If interested, write for Catalogues. Mention Goods required.

**Whaley, Royce & Co. LIMITED.**

356 Main Street, Winnipeg, Man.

Sunlight Soap will not burn the nap off woollens nor the surface off linens.

**SUNLIGHT SOAP** REDUCES EXPENSE

Ask for the Octagon Box.

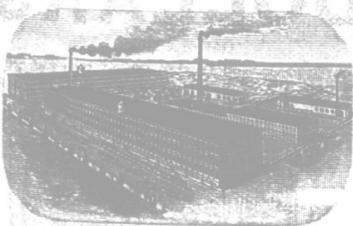
## Churn, Churn!

Windsor salt lightens the task of churning butter. Every flake of it dissolves quickly—you'll find no gritty particles in the butter, because Windsor Salt is all Salt.

**Windsor Salt.**

Best grocers sell it.

THE LARGEST CARRIAGE FACTORY IN CANADA



## Carriages

for all purposes.

100 Varieties to Select From.

We build nothing but the best grade A standard wheels. Cast-steel springs, noiseless brass and rubber washers.

**McLaughlin Carriage Co., Ltd.**

OSHAWA, ONT.

**WALKERVILLE WAGONS ARE THE BEST**

Walkerville Wagon Co. LIMITED  
WALKERVILLE, ONT.

WRITE FOR CATALOGS.

### GOSSIP.

(Continued from page 512.)

the principal Canadian shows and at the Pan-American and the great demand for high-class hogs of this breed in Canada and the United States, that has seemed to justify them in making the very large importation of 70 head of selected boars and sows of approved type and breeding from the principal herds in Great Britain, which are now in quarantine at Quebec, and which they will dispose of by auction, without reserve, at Hamilton, Ontario, on June 25th, as advertised. The catalogues, with pedigrees and particulars, will be mailed to all applicants. A postal card, addressed to D. G. Flatt & Son, Millgrove, Ont., will bring it.

The Shorthorns belonging to W. E. Baldwin, of Manitou, are looking well. Village Duke, his stock bull, winner of first and diploma at Manitou last fall, is in fine form. Mr. Baldwin's Tamworths are also looking thrifty. His stock boar, Western Conqueror, winner of diploma at Winnipeg last year, looks well. Prairie Rose, winner of third at Winnipeg last year, is raising a very promising litter. Lady Elgin, a winner of firsts at Winnipeg, still holds her place in the barnyard. The young sow, Duchess, that took first at Winnipeg last year in under a year class, also looks well. Western Chief, another Ontario boar, is expected shortly. A large number of Barred Rocks are kept.

W. C. White, of Calf Mountain, has a nice herd of Shorthorns, headed by Sittyton's Choice 43105, recently purchased from J. G. Washington, of Ningsa. This young bull won second in calf class at Winnipeg last year, and has grown well since. He is a very deep, well-developed yearling, with straight lines, and gives promise of being favorably heard of through show-yard winnings. Sittyton's Choice was sired by Sittyton Hero 7th, dam Gem of Lakeside, by Lollar Lustre; grandam Glean-gary Maid, by Starlight Duke 2nd. Mr. White has some cows of large type. One of them, Dell, got by Lord Strathallan, dam Morden Lily, by Cashier, is a deep, straight-lined cow, with a fine heifer calf at foot. Last year she had twin heifers from British Lion. Shadeland Queen 3rd, a thick, deep, strong-backed cow, winner of second at Morden Fair last year, is also a good breeder. Her last calf is a dark roan heifer, got by British Lion. Shadeland Queen 2nd is one of the blocky stamp with good head and shoulders; sire Prince John of Manitou, dam Shadeland Queen, by Horton. Lady Strathcona, a daughter of Shadeland Queen 2nd, won second at Manitou as a two-year-old. Marjory is a splendid, large, young cow with a grand front. As a two-year-old, she won first at Manitou. Primrose, a straight-lined, deep young cow, won first at Manitou. She was sired by Village Boy 12th, dam Rosa D'Erina 2nd, by Thorndale Duke. The following is a list of Mr. White's recent sales: To Sam. Forest, Manitou, Mountain, Chief; to Geo. Muir, Morden, Sambo (twin); to R. W. Grierson, Langdon, N. D., Uncle Sam (twin); to Robt. Scott, Mona, N. D., Conductor John. These four young bulls were all sired by British Lion.

FOR OVER 100 YEARS 1801-1903

IT HAS BEEN

## "OGILVIES, MILLERS"

STARTED ON A SMALL SCALE—TO-DAY

THE LARGEST MILLERS IN THE BRITISH EMPIRE.

## OGILVIE'S HUNGARIAN FLOUR

IS SUPPLIED REGULARLY TO THE ROYAL HOUSEHOLD. IS IT TO YOURS? IF NOT, WHY NOT?

IT'S THE VERY BEST FLOUR THERE IS.

TRY IT.



HERE IT IS!

A High-grade Steel Range at a price that sells it. It looks well, it works well, and will keep peace in the family. There is not a weak spot in it. The Crown Favorite makes a dull store busy and a dull home cheery. Made also with hot-water reservoir. If your dealer has not got it, write for particulars to

**HORACE WILSON,**

CROWN FAVORITE STEEL RANGE, 180 Market St., WINNIPEG. (This range has two folding nicked teapot stands attached to closet, not shown in above illustration.) P. O. Box 1406. Phone 664.

### BRUCE'S NEW CENTURY TURNIP

After carefully testing this variety, we have no hesitation in offering it as one of the very best shipping varieties on the market, while for cooking purposes it excels all the ordinary Swedes. It is a purple-topped Swede, resembling the Westbury, of splendid uniform growth and of fine quality, and the roots are clean and well shaped. It is the best Swede we know of to resist mildew, and is a heavy cropper.

1-4 lb., 13c.; 1-2 lb., 20c.; 1 lb., 35c.; 4 lbs., \$1.20 (Postpaid.)

### New Kangaroo Turnip

A very hardy Swede, similar in size and growth to the Elephant; color, a bronze green, possessing heavy-cropping features of the famous Elephant or Monarch, with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed and is consequently cold and backward.

1-4 lb., 13c.; 1-2 lb., 20c.; 1 lb., 35c.; 4 lbs., \$1.20 (Postpaid.)

Our beautifully-illustrated Catalogue—88 pages—mailed free to all applicants.

**JOHN A. BRUCE & CO.,** Hamilton, Can.

Seed Merchants, Established Over Half a Century.



BRUCE'S NEW CENTURY 'SWEDE.

## ASPINWALL

THE FIRST AND ONLY CONCERN IN THE WORLD TO SUCCESSFULLY MAKE AND INTRODUCE A COMPLETE LINE OF POTATO IMPLEMENTS

CUTTERS, PLANTERS, FOUR-ROW SPRAYERS, DIGGERS AND SORTERS,

COTTON, ASPARAGUS, GRAPE AND TOMATO SPRAYERS

ASPINWALL MFG. CO., JACKSON, MICH.

Every stage of Potato Culture properly handled from Cutting the Seed to Assorting the Tubers

INTERESTING AND ATTRACTIVE CATALOGUE MAILED FREE.

MACHINES

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# IMPORTANT PUBLIC SALE OF

# Scotch = bred Shorthorns

at Hamilton Stock-yards Sale Pavilion, Hamilton, Ont.,

— ON —

**Tuesday,**  
**JUNE 9th,**  
**1903,**  
**56 HEAD**  
**High-class**  
**Shorthorns**



CONTRIBUTED BY

**HON. W. C. EDWARDS**  
Rockland;

**HON. JOHN DRYDEN,**  
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Ilderton,

**AND OTHER PROM-  
INENT BREEDERS.**

This offer affords an opportunity to secure animals of the choicest breeding, many of them being imported from Scotland at great expense. The cattle will be found in good condition, and will be sold without reserve.

Catalogues on application to **HON. JOHN DRYDEN,** Parliament Buildings, Toronto.

AUCTIONEERS:  
**GEO JACKSON,** Port Perry.      **CAPT. ROBSON,** Ilderton.

### GOSSIP.

A. R. Douglas, of Franklin, is starting a Shorthorn herd. He has three nice heifers, a cow, her calf and a stock bull. Bonaparte, the young bull, was sired by Scottish Canadian, and is a very smooth, promising animal. Quite a number of fine Berkshire pigs are also kept. Manitoba King, Mr. Douglas' stock boar, is a large, smooth pig. He was sired by Duke of Clifford.

### MELROSE STOCK FARM.

About four miles south and one east of Hamiota, the stock farm of Geo. Rankin & Son is situated. Clydesdales, Shorthorns and Leicesters are kept. Recently, when a representative of the "Farmer's Advocate" called, the stock were found to be in very thrifty condition. The young stock especially are a credit to their owners and, in fact, to the district. This spring's calves, 15 in number are a very choice lot. Their deep, even bodies show abundance of constitution, for there is not one among them weak in heart-girth. With constitution they also have quality and that thrifty appearance which indicates a good feeder and early maturer. General, the sire of this crop of calves, is a low-set bull of true Scotch type. He is very strong in heart-girth and carries a great wealth of natural flesh and with it that mellow feel which indicates perfect health. His back is straight and well covered, his loin broad and his hind quarters long and well fleshed. He was sired by Lord Stanley 2nd, dam Maude of Smithfield, by Lord Charles Beresford, grandam Maude of Beresford, by Landsdowne (imp.). Sir Colin Campbell (imp.), recently purchased from R. McLennan, Holmfild, is the other stock bull. Sir Colin, as our readers will remember, won second at the Winnipeg Industrial last year. He was sired by Royal Mail, dam Clara 32nd, by Stuyven Famer, grandam Clara 31st, by Hercules. He is a thick, low-set bull, naturally fitted with a bed of large girth, with well-developed and good sire. The cows are of the same type in constitution, mellow, smooth, in heart-girth

### LOUISE BRIDGE POULTRY YARDS

Headquarters for pure-bred poultry. Bred Plymouth Rocks, single and rose-comb White Leghorns, White and Black Wyandottes, Black Langshans and Blue Andalusians. My stock holds the highest prize record in Western Canada. Eggs for hatching, \$3.00 per 13. Address: **LOUISE WOOD,** Louise Bridge P. O., WINNIPEG, MAN.

### EGGS FOR HATCHING

From **GOLDEN WYANDOTTES, INDIAN GAMES and BARED ROCKS.** \$2 for 15 eggs. These are from birds winning highest honors at Virden and Winnipeg last month. A few choice birds for sale; also pigeons.

### S. LING,

128 River Avenue, WINNIPEG.



**EGGS AND COCK-  
ELS FOR SALE.**—White Wyandottes only fowls kept. Cockerels of select breeding on hand. Eggs \$2.00 a setting, or three settings for \$5.00. **JO-N KNOWLTON,** Brandon.

### VIRDEN DUCK YARDS.

**MENLOVE & THICKINS, Props.**  
(Successors to J. F. C. Menlove.)

Pekin ducks for sale. Orders for eggs booked now \$1.50 per setting. \$3 per 100.

### VIRDEN, MANITOBA.

Agents for Cyphers Incubators, Brooders, Supplies.

### IT'S AN ACTUAL FACT

Chambers' Bared Rocks are better than ever. Do you remember their great sweep at Brandon's big fair? 1st and 2nd cock, 1st and 2nd hen, 1st and 2nd pens, special for best pair, and silver cup for best pen, any breed. At Manitoba Poultry Exhibition, 1903, I won the lion's share of prizes. Eggs for hatching, \$2 per 13; also Buff Rocks and S. C. B. Leghorns. **THOS. H. CHAMBERS,** Brandon, Manitoba.

### Eggs for Hatching

From Choice Bared Rocks.  
\$1 for 13, or three Settings for \$2.50.  
**W. W. EDMANSON,** — **MELITA, MAN.**

**WILD BRONZE TURKEYS.**  
Half-wild hens mated with Wild Tom.  
Eggs, \$3.50 per 9.  
Bared Rocks, \$1 per 15 eggs.  
**M. O. ROUTLEDGE,** — **MIAMI, MAN.**

being kept at Melrose Stock Farm. They were sired by such bulls as Windsor (imp.), Royal Scott, Knight of the Rose, etc. Several of the cows and heifers are show winners, some never yet beaten.

Thirteen pure-bred Leicesters are kept, and a real thrifty bunch they are. One of the ewes, Elsie Douglas, sire Jimmy D., bred by J. M. Gardhouse, dam Blue Bird, bred by Jas. Douglas, gave birth to four good-sized, healthy lambs. One of the lambs, when a few weeks old, met with an accident which caused its death; the others, when seen recently by our representative, were making fine progress.

In Clydesdales, two stallions and two mares are at home at this farm. MacBain is a very massive, clean-lined stallion, sired by Sir Arthur (imp.), he by Prince Alino (5255), he by Prince of Wales, first-prize Highland Society and gold-medal horse. MacBain's dam, Bessie of Overlaw (imp.), was sired by MacPherson 2nd (3825), sire MacGregor 3rd, sire Darnley. As will be seen by MacBain's pedigree, much of the best Clydesdale blood of the Old Land flows in his veins. In 1902, at the Hamiota Spring Fair, he won first and sweepstakes over all breeds; also, in the fall of '02, at the same place, he again won first over all breeds, and along with three of his get, won the Stallion and progeny prize. His stock are well known at the surrounding local shows as winners of the reds. Sir Arthur (imp.) his sire, won first at Winnipeg for stallion and three of his get in '96 and '97; also first at Brandon for stallion and six of his get in '97. The same horse won first and diploma at Winnipeg, Brandon, and Regina in 1895. A two-year-old stallion at MacPee's, out of Lady South, by Bravery, is an extra thick, well-made horse with fine neck, short back, heavy smooth quarters, clean limbs, and good action. The mares are large and strong of good quality, and fine brooders. Quite a number of high-class grades of MacBain's get are used on the farm, and a home lot of heavy drafters they are.

### MOLINE POULTRY YARDS

HEADQUARTERS FOR W. P. ROCKS. Won at Manitoba Poultry Show, Virden, 1903: 1st cock, 1st, 2nd and 3rd cockerel, 1st hen, 1st pullet, and special for 2 highest-scoring W. P. Rocks. Eggs 13 for \$3, or 26 for \$5. **PETER KAHLER,** Moline or Rapid City.

**Eggs for Hatching.** From the finest collection of pure, selected, imported birds, scoring from 90 to 95 points. My birds took first prize here last summer. Bred Plymouth Rocks, White Cochins, Black-breasted Red Game, White-crested Golden Pouter, Imperial White-crested Creamy White Pekin ducks, weighing 8 and 9 lbs. \$2 per 13, carefully packed and expressed. **O. W. TAYLOR,** Dominion City, Man.

How to make

## DOLLARS

Out of Chicks.

Coarse grain and frosted wheat will net \$1 a bush if turned into chicken flesh. Poultry is the surest crop. The demand is unlimited.



### The Chatham Incubator

will pay for itself in one hatch. It is built to last a lifetime, and will hatch a dozen broods a year. The prices are right. In the guarantee, we lead where no other maker dares to follow. Write for catalogue and prices.

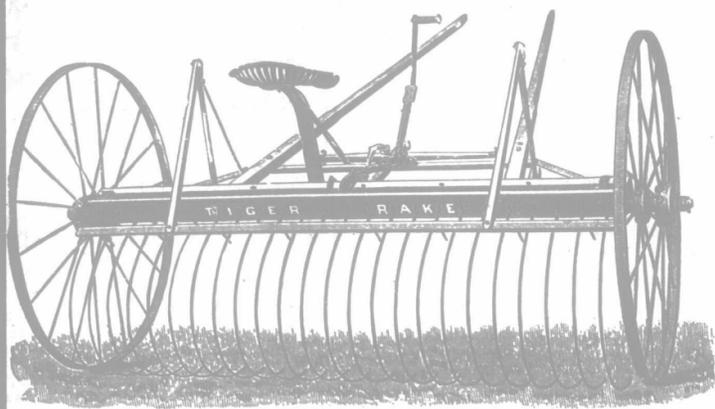
**WM. ATWELL,** Brandon, Man.,  
General Agent.

The M. CAMPBELL FANNING MILL CO., Chatham, Ont.

**EGGS FOR HATCHING.**  
Bared Rocks (exclusively) bred from A. C. Hawkins' Royal Blue strain. \$1.00 per setting of 15. **J. B. COWLES,** Queensville, Ont.

*In answering any advertisement in this page, kindly mention THE FARMER'S ADVOCATE.*

**FOLLOW UP THE GOOD WORK  
DONE BY A FROST & WOOD NEW NO. 8 MOWER WITH A  
Frost & Wood Tiger Rake**



The "TIGER" will clean up all crop cut, whether the land is level or not.  
The "TIGER" is the only Rake equipped with a Buffer Spring to prevent jar and strain on the teeth and frame.  
The small boy on the farm can operate the "TIGER."  
The "TIGER" is the best Rake to have on your farm. Place your order NOW to get one for this season.

**THE Frost & Wood Company** HEAD OFFICE AND WORKS: **Smith's Falls, Ontario.**  
LIMITED.  
BRANCH OFFICES:  
London, Ont. Toronto, Ont. Quebec, Que. Montreal, Que. Truro, N. S. St. John, N. B. Winnipeg Man.

**TRADE NOTES.**

**HARVESTING MACHINES** have reached such a high state of perfection that one scarcely expects to hear of improvements, but the McCormick people are not standing still with their well-known binders. The announcement for this season is an improved needle and simple knotter. These two features materially assist in making the McCormick a very popular machine.

**ZENOLEUM CALENDAR.**—One of the handsomest calendars of the year has been issued by the Zenner Disinfectant Company, makers of Zenoleum Dip, 113 Bates St., Detroit, Mich., and they will be glad to send the readers of the "Farmer's Advocate" a copy, post-paid. The picture is a reproduction, in many colors, of the famous painting, "Christmas Morn at Plymouth," by L. J. Ferris, and is a little gem worthy of framing.

**ENDORSEMENT OF ZENOLEUM** from Ontario Agricultural College, Guelph, Canada, April 30th, 1903: "I may state that I have had some experience with Zenoleum. I find it effective as a destroyer of lice and other vermin in the different classes of stock. As a disinfectant and antiseptic it is effective, safe, reliable and cheap." J. H. REED, Prof. of Veterinary Science, O. A. C.

**NARROW MARGINS** is the rule in these hustling days. Profits are only the surpluses after expenses are paid. Clean skimming increases these surpluses in dairying, and a good separator is essential to clean skimming. In this connection, the De Laval is still to the front, and challenges any separator to do better work than it is doing. The sales of De Laval are increasing enormously, which testifies to the great popularity of this machine. Canadian offices in Montreal, Toronto and Winnipeg; American offices, New York, Philadelphia, Chicago and San Francisco. Give them a trial before purchasing.

**BABY'S OWN SOAP**  
PARTICULAR PEOPLE  
used by particular people both young and old. Keeps the skin soft, clear and white.  
No other Soap is just as Good. 034  
ALBERT TOILET SOAP CO., Mfrs. MONTREAL.

**BRITISH COLUMBIA FARMS**  
Mild climate, the best dairying country in North America. No blizzards. No cyclones. No droughts. No hot winds. No summer frosts. No cloud-bursts. The heaviest crops per acre in Canada. We make this statement without fear of contradiction. Cool nights and good water. The best price for all kinds of farm produce. **THE CALIFORNIA OF CANADA**, with land at one-tenth the price.  
Write for farm pamphlet to  
**THE SETTLERS' ASSOCIATION,**  
BOX 540 VANCOUVER, B. C.  
Please refer to this paper.

**"SURE-GO" NAMEFASTENER.**  
A 20th Century Idea. No Buckle. Outlasts Harness. Simple; quick; works like a charm. Sent prepaid at 50 cents a pair, to introduce them.  
**JOHN HAUSAM, 175 A, MUNROE, WIS., U.S.A.**

**IMPORTANT AUCTION SALE**  
OF IMPORTED  
**LARGE ENGLISH YORKSHIRES**  
AT THE STOCK-YARDS SALE PAVILION, AT HAMILTON, ONT., ON  
**THURSDAY, JUNE 25, '03**  
**70 Head 70**  
20 BOARS, ranging from 6 to 15 months. 50 SOWS, mostly in pig to choice English sires. All selected from leading British herds. The most valuable consignment ever imported to America, including many first-class show animals.

**Britain's Best**  
Never was so good an opportunity offered to procure first-class show and breeding stock at the purchaser's own price, as sale will be absolutely unreserved. First-class hotel accommodation at Stock-yards Hotel. Catalogues ready May 5th; will be mailed on application.

**S. FRANK SMITH, CLAPPISON'S CORNERS, THOS. INGRAM, GUELPH, ONTARIO.** } AUCTIONEERS.  
**D. C. FLATT & SON, MILLGROVE, ONT.**

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

# Melotte Cream Separators

5 YEARS OLD AND SATISFACTORY.

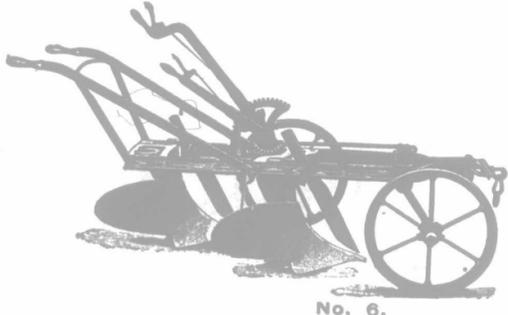
Beulah, April 3, 1903.  
MELOTTE CREAM SEPARATOR CO., Winnipeg, Man.:

Gentlemen,—  
In reference to my Melotte Separator, which I have used for some five years, I may say it has given perfect satisfaction in every respect. It is easily manipulated, separates rapidly and close, and is, in my estimation, an ideal machine.

Yours truly, (Sgd) J. L. THOMPSON.

**Melotte Cream Separator Company,**  
LIMITED.  
BOX 604. 124 Princess St., Winnipeg

"There are No Plows like FLEURY'S."



Walking Plows.  
Single and Two-furrow Sulky Plows.  
Gang Plows—small and large.

"GOOD-LUCK" Gangs, Nos. 6 and 7, for skimming or for regular heavy plowing, do the work of two walking plows.

No. 6—10 or 11 in. furrows, as desired.  
No. 7—8½ or 9½ in.

"Your No. 6 Gang that I purchased from Mr. Williams, of Sharon, of Sharon, in every way satisfactory. I have used the \_\_\_\_\_, but did not like it. The FLEURY PLOW is light in draft and does better work. It has a great slant on coulters and space between the plows. It is the best Gang I ever used."  
Geo. HOPPER, Queensville, Ont.

"Last Monday two men who are neighbors came in and took out a No. 6 Gang and had a field trial with the \_\_\_\_\_ and \_\_\_\_\_ plows in sod. The \_\_\_\_\_ agent was there with his plow. I was away from home and did not know they had had a field trial until the men came in and told me about it. One of the men said he wanted to settle for the FLEURY Gang, as it was the best plow he ever had hold of, as it does better work and is lighter of draft than the others. His neighbor wants one of these Gangs at once, so you had better send me two or three as quickly as possible."  
T. H. WILLIAMSON, Pontypool, Ont.

"Send me another 'GOOD-LUCK' Gang No. 6. I had your No. 6 Gang in the field against the \_\_\_\_\_ Gangs, and SNOWED THEM BOTH IN, your plow doing BETTER WORK and being lighter in draft."  
Geo. DINSMORE, Granton, Ont.

See our nearest Agent, or write us.  
Further information and lithographic hanger on application.

**J. FLEURY'S SONS, Aurora, Ontario, Canada.**  
Medals—World's Fairs, Chicago and Paris.

**Joseph Rodgers & Sons**  
Limited,  
SHEFFIELD, ENGLAND.

Please see that this EXACT MARK is on each blade.

**JAMES HUTTON & CO., MONTREAL, SOLE AGENTS IN CANADA.**

REGISTERED TRADE MARK  
\* \*  
GRANTED 1682

GOSSIP.

William D. Hunt, Fairmeade, Assa., has sold the Shorthorn bull, Prince of Fortune, by New Year's Gift, to Mr. Andrew Aitchison, Brookside, Assa.

A new importation of Large Yorkshire Whites has made a change in the ad. of Mr. Gus. Langelier, of Quebec City. The importation arrived safely, and orders will be promptly attended to. Young pigs will be shipped to order. Improvement is almost imperative when imported stock is placed right at our doors.

Seven hundred dollars was the highest price for a cow at the auction sale of Jerseys recently advertised in the "Advocate," by Messrs. Case & Walker, of Itushville, Indiana, which took place on April 28th. She was Imp. Golden Fern's Rose Fern, six years old, sire Golden Fern's Lad, dam Brookhill Rose 2nd, champion over Jersey Island in 1898, and the purchaser was Henry West, Scappoose, Oregon. Seven other cows sold at prices ranging from \$500 to \$670. The highest price for a bull was \$400, for the fifteen-days calf, Fern's Sweet Eyes. The four-year-old imported bull, Carnation's Fern's Lad, was withdrawn at \$1,000. The 93 head sold, including young calves, made an average price of \$210. A pretty good sale for the number, but they were good ones.

CLYDESDALES FOR CANADA.

Mr. Geo. G. Stewart, Howick, Quebec, sailed from Glasgow, April 25th, with six young Clydesdale stallions specially selected to suit the Canadian market. There are two three-year-olds, namely, (1) Rankeilour Stamp, dark bay, sire Benedict, by Baron's Pride, dam by Mains of Airlies; and (2) Baron Williamstown, bay, sire Baron Lawrence, by Baron's Pride, dam by Knight of Ellerslie, by Prince of Wales. Three two-year-olds, namely, (1) Clan McLeod, a black of large size and choice breeding, by Knight of Cowal, by Gallant Prince, by Prince of Wales; (2) Clan McIvor, dark bay, by Knight of Cowal, dam by Mains of Airlies; (3) Craigievern, black, by Baron Lawrence; and one yearling colt, Alaska, bay, by Klondyke. These horses are now at Howick, and Mr. Stewart is willing to sell for small profits. See his advertisement.

CLYDESDALE MARES.

The fine team of Clydesdale mares in our illustration on another page were owned by Mr. Nelson Waggs, and used by him in his many plowing matches, in which he obtained the unique distinction of winning in every class at Scarborough last year in which he was eligible to enter—first best crown, first best draft team on grounds, first first-class plowman, first best-going team, first best-plowed land of the whole field, first best finish—and at Unionville won the plowing championship of America. Besides the clear eye and steady hand necessary for these achievements, to the splendid going of the team some credit is due, as their steadiness and sagacity could not be excelled, and will no doubt give the very best satisfaction to Messrs. A & G. Mutch, of Launsden, Assa., to whom they have been sold at a big figure, and have recently foaled safely. Mr. Waggs has a number of Clydesdale mares yet, all in the very best of health, and are due to foal soon or have been bred to the noted sire, Stately City, the champion Clydesdale stallion at the Spring Show. Such a bunch of fine mares is not often found all at one farm, not a pimple on any of them, of good colors, size, quality and conformation, and from such noted sires as McQueen, Queen's Own, he by Prince of Wales, etc. For further particulars as to pedigrees, etc., Mr. Waggs will gladly answer all enquiries, and will meet anyone desiring to see his mares at Claremont station, on the C. P. R., or at Stouffville, on G. T. R. 44 miles from his farm. A notice of stock on hand will be found in his advertisement in each issue of this journal.

For Sale—Large English Berks.

Sows 8 months old, bred to my stock boar, York Lodge Conqueror—12046—(choice young pigs ready to ship, and young boars fit for service; also 2 sows suckling 3rd litters. Will be bred shortly to Conqueror. Correspond for quotations to R. J. Fritchard, Roland, Man.

ELKHORN STOCK FARM.



O. I. C. swine, Hereford cattle, B. P. Rocks and L. Brahmas. No cattle for sale. 25 April pigs for sale; quality unsurpassed. B. P. Rock eggs for sale, \$1.50 setting, 2 for \$2.50.  
A. E. THOMPSON, Wakopas, Man.  
Nings, C. P. R., shipping station.

MAPLE GROVE STOCK FARM.

We are now offering a choice lot of young YORKSHIRE

boars and sows, to be delivered at six weeks to two months old. Some snaps for those looking for bargains in registered Yorkshires. Write at once to

WALTER JAMES & SONS,  
ROSSER, MAN.

HOMB BANK FARM OF LARGE ENGLISH BERKSHIRES

Are still at the front. Two young boars fit for service and early spring pigs from choice sows for sale. Now booking orders. Call or write for prices.  
JOS. LAIDLER, Neepawa, Man.

FOR PURE-BRED

O. I. C. and YORKSHIRE SWINE

Write Jas. Austin, Hannah, N. Dakota, Canadian shipping point, Snowflake, Manitoba.

T. E. M. BANTING, Banting, Manitoba, Breeder of prize Tamworths. Both sexes, young and old, for sale. On Glenboro branch of C. F. R.

Pure Tamworth Swine—March, April and May litters. Barred Rock fowl for sale. Eggs per setting, \$1.50.  
A. T. BARTLEY, Wapella, Assa., N.-W. T.

Tamworths for Sale—Stock boars: General Butler, winner of first every tier shown at Winnipeg, May litters. Barred Rock fowl for sale. Eggs per setting, \$1.50.  
L. A. BEADLEY, General Butler, Box 134, Portage la Prairie.

Improved Yorkshire Swine

A few young boars and sow for sale; can be registered. Apply to

YORK SHAW,  
Midnapore, Alberta.

YORKSHIRES!

The Best Bacon Breed.

If in need of any, write us (stamps accepted). We will send full particulars re breeding, price, etc. Nothing to ship now. Address:

KING BROS., Wawanosa, Manitoba.



"What a Wise Old Chap!" He has left his hide in good hands. Send for our circular in reference to custom tanning. We send samples of work with circular.

CARRUTHERS & CO., TANNERS, and dealers in hides, wool, sheepskins, furs, tallow, etc. 9th Street, Brandon, Man.

GALLOWAYS:

Bulls and heifers for sale.

APPLY TO  
T. M. CAMPBELL,  
"HOPE FARM,"  
St. Jean Baptiste, Manitoba.

HIGH-CLASS AYRSHIRE CATTLE FOR SALE—Both sexes; bulls and heifer calves from 2 to 3 months old; cows and heifers all ages. Famous prizewinners bred from this herd, including Tom Brown and White Floss, sweepstakes prizewinners at Chicago. DAVID BENNING & SON, Williamstown, Ont.

## SPRAYING PREVENTS BLIGHT AND KILLS POTATO BUGS



HOW AND WHEN TO SPRAY  
WITH SPRAY  
MACHINE AND  
EFFECTS OF  
SPRAYING  
POTATOES

SAVE YOUR POTATO  
TOMATO, CABBAGE,  
ASPARAGUS, TOBACCO,  
GRAPE, COTTON AND  
OTHER CROPS —  
— SPRAYERS PREVENT BLIGHT,  
MIST, SCAB, FUNGUS DISEASES AND POT-  
TOE BEETLES, WORMS, MOTHS, MEXICAN  
ROLL WEEVILS, ETC.

ASPINWALL MFG. CO., JACKSON, MICH.



The dull white or the glossy finish on laundered linen is a matter of taste—to get either finish perfect is a matter of using Celluloid Starch.

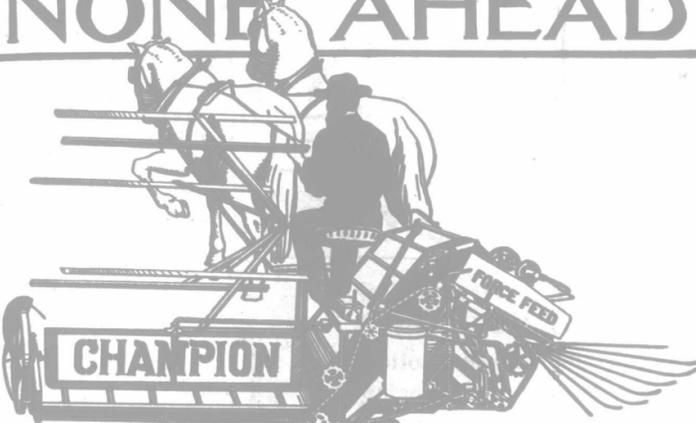
Just add lukewarm water—soaks into fabric without rubbing and stiffens perfectly. The edge or point of the iron will give the gloss.

Good grocers sell it.

**Celluloid Starch**  
Never Sticks Requires no Cooking.

The Brantford Starch Works, Limited, Brantford, Canada.

## NONE AHEAD



THERE is no binder ahead of the Champion for strength and durability, besides it has valuable improvements which greatly increase its capacity for handling difficult conditions of grain, and are useful in the usual and ordinary conditions. The most important is the force feed elevator which delivers the grain positively but gently to the packing arms where it is made into bundles, and choking in the elevator and waste of grain are prevented. Next is the eccentric power-giving wheel on the binding attachment which gives the needle an increase in power of 16-23 per cent over the common wheel, and permits the Champion to bind large and tight bundles in the heaviest grain without jerk or strain on the machine or on the team. Write for catalog describing these and other practical improvements on the Champion binder, also on the Champion mowers and Champion hay rakes. Handsome colored calendar sent free also if requested.

CHAMPION DIVISION, INTERNATIONAL HARVESTER COMPANY OF AMERICA, CHICAGO.

**GOSSIP.**

Mr. S. P. Thompson, Western manager for Bawden, McDonell & Kidd, Exeter, Ont., recently gave the "Farmer's Advocate" a call while on his way east. Since coming into this country, less than a year ago, they have sold five carloads of pure-bred Clydesdale and Shire horses, including one of brood mares, some of which were imported. These people have had no complaints coming from their buyers, and are well satisfied with the year's experience. Mr. McDonell has made a special study of the requirements of the West, and will visit Great Britain in June next to purchase a shipment best suited to our conditions. The old firm of Bawden & McDonell has long been known to our readers, and, consequently, needs little recommendation. As horse dealers, their honest and uprightness has always been unquestioned. Mr. Thompson has been dealing in horses constantly for the last thirteen years, and has never had occasion to enter the law courts. A record to be proud of.

**HOME BANK FARM.**

Mr. Jos. Laidler, of Neepawa, has fifteen dual-purpose cows. Last year they averaged \$42.32 in butter, and also each raised a calf, the steers of which were sold for \$18.00 apiece and the heifers wintered with the intention of keeping them for breeding purposes. The cows are chiefly Shorthorn grades, and are yearly bred to a pure-bred Shorthorn bull. Mr. Laidler has about 50 head of cattle. His stock are in prime condition, especially the young things. Over 50 pure-bred Berkshire pigs are kept, without counting the numerous late arrivals, for many of the sows have recently farrowed. These are a good, large, lengthy lot. Cherry Lane Baron, sire Longfellow of Hood Farm 10th, dam Lockers Blossom, won second in Toronto in 1902 in under a year class. She is but a sample. Those wishing Berkshire pigs will do well to write or call on Mr. Laidler, of Neepawa.

**JESSIEFIELD FARM.**

Shortreed Bros., of Morden, have a nice bunch of Shorthorns, headed by Rosebud's Warrior. This young bull was sired by Indian Warrior 2nd, dam Rosebud. He is a dark red with good masculine character, broad loin, lengthy form, and indicates that he will be an impressive sire. This spring's calves are his progeny, and are a good lot. Last year's calves were sired by Riverside Stamp, and also the yearlings, which are a thick, choice, low-set, growthy lot. Ida May, sire Addington Hero 3rd, dam Bernice, is a large, straight-lined dark red cow. Last year, at Morden fair, she won second prize, and her bull calf first. The calf was recently sold to Kennedy & Eurich, of Winkler. Morden Belle, sire Lord Brandon, dam Boundary Beauty, is a big, roomy eight-year-old cow, a great breeder. She is carrying her sixth calf. Laura Kathleen is a dark red four-year-old, of blocky make. She was sired by Morden Chief, dam Morden Belle. Riverside Belle, sire Riverside Stamp, is an extra choice young heifer, straight lined, thick and deep, with splendid heart-girth. She has a very promising bull calf at foot.

TO MEET the constantly-increasing demand for protection against serious loss from the death of valuable pure-bred animals, the

**CENTRAL CANADA  
INSURANCE CO'Y**

has undertaken to do this class of business on the Stated Premium Definite Contract Policy basis, strictly confining its risks to

**Pure-bred Registered Stock.**

If interested, enquire of our local agents, or write the head office for full information.

**JOS. CORNELL, Manager,  
Brandon, Man.**

**ABERDEEN - ANGUS AND BERKSHIRES.**

One deep, blocky April bull calf for sale. Orders booked for spring pigs, sired by Nora's Duke—7999—, bred by J. A. McGill and King Edward—10852—, F. J. COLLYER, Houghton Farm, Welwyn, Assa.

**D. FRASER & SONS,  
EMERSON, MAN.**

Brooders and importers of Durham Cattle, Shropshire and Southdown Sheep; Berkshire, Tamworth and Poland-China Pigs.

**HEREFORD BULLS AND FARM FOR SALE.**

Bulls one year old, all bred in the West. Farm 2 miles west of Brandon, consists of 800 acres—60 fenced, 300 acres in wheat and 40 in oats. New house, stable and granary. For sale at a bargain; easy terms. **MUNTER SMITH,  
Box 274 Hereford Place, BRANDON, Man.**

**THE SUNNYSIDE HEREFORDS**

Owned 120463 at head of herd; sire Imp. March On 78035. For sale, 4 bulls, ranging in age from 15 mo. to 3 years old; 3 choice young cows and 4 heifers, from 10 mo. to 2 yrs. old. Visit us welcome. **O'Neill Bros., Southgate, Ont.  
Lucas Station, G. T. R.  
Hilderton Station, L. E. & B.**

**Clydesdales, Standard-breds, Shorthorns,  
Yorkshires, and P. R. Fowls.**

A number of young stock constantly for sale. Three young bulls ready for service. Several spring litters of pigs.

**S. BENSON, - NEEPAWA, MAN.**

**GLYDE Stallions, Fillies and Mares**



**SHORTHORN Heifers and Bulls.**

All for sale; no reserve. Prices and terms to suit. Improved farms for sale.

**J. E. SMITH,  
SMITHFIELD AVE.,  
Brandon, Manitoba.**

**SHORTHORNS FOR SALE**

Two young bulls, grandsons of the famous Knuckle Duster (imp.); also several females of various ages. **A. & D. STEWART, WESTBOURNE.**

**GREENDALE  
STOCK FARM.**

Have several young shorthorn bulls for sale—thick, sappy fellows, of good families. Also a few upstanding, well-bred teams, weighing from 28 to 32 cwt. Prices right. **F. W. GREEN,  
Moose Jaw, Assa.**

**Cows,  
Heifers  
and Bulls**

FOR SALE.

**W. BERESFORD, Prop.  
CALGARY, ALTA.**



**Shorthorns and Tamworths  
Cows, Heifers, Bulls  
FOR SALE.**  
Mostly sired by Aberdeen 2nd and Banks' o' Don (imp.). Young Tamworth sows and 2 spring litters.  
Brome grass seed.  
**WM. CHALMERS,  
Hayfield, Man.**

**Scotch Shorthorns.**

Special offering for this month: Three splendid young bulls, all reds. They will be sold at very moderate prices considering their breeding and quality. Winkler, 6 miles; Bergen Station, 1 1/2 miles. Visitors welcome and met by appointment. **H. O. AYERST, Mount Royal, Man.**



## Blood is Watery in the Spring

It is Lacking the Essential, Life-giving Principle which is Best Obtained by the Use of

### Dr. Chase's Nerve Food

The tired, languid and depressed feelings which come with spring are the outward indication of the weakened condition of the blood and the low state of vitality.

When the blood gets thin and watery, the waste of the human body is more rapid than the process of reconstruction. Gradually the action of the heart grows weaker and weaker, the lungs do not work to their full capacity, the stomach and other digestive organs fail to perform their duties, and the result is all sorts of bodily derangements.

Aching head, dizzy spells, indigestion, feelings of weakness and despondency, lack of energy to perform the duties of the day, loss of appetite, failing memory and power of concentration of mind, irritability, nervousness and sleeplessness are among the symptoms which distress you, and all can be avoided by the use of Dr. Chase's Nerve Food.

There is no preparation to be compared to Dr. Chase's Nerve Food as a spring restorative. It does not stimulate and so whip the organs of the body to over-exertion, but, by enriching the blood, instils new vigor into the nerves and builds up the whole system. By noting your increase in weight while using this great food cure you can prove that new, firm flesh and tissue is being added to the body.

To awaken the liver, invigorate the kidneys and regulate the bowels, use Dr. Chase's Kidney-Liver Pills. All dealers, or Edmanson, Bates & Co., Toronto. To protect you against imitations, the portrait and signature of Dr. A. W. Chase, the famous recipe-book author, are on every box of his remedies. om-

#### CLAREMONT STOCK FARM.

**Shorthorns and Clydesdales**  
For sale, stock bull, President, a Winnipeg winner; a thick, low-set, smooth animal. Also young stock of both sexes, mostly of the Isabella family. Some sired by the well-known Caithness, balance by President.  
**MES. C. H. BROWN, Prop.,** Maitou, Man. **F. A. Browa, Manager,** Box 1.

**PURVES THOMSON, PILOT MOUND, MAN**  
FOR SALE—40 Shorthorns, young heifers and bulls, from Caithness. Good show animals. Some exceedingly good Clydesdale fillies and mares. All at reasonable prices.

#### REGINA STOCK FARM

Ayrshire cattle and improved Yorkshire pigs. For sale: choice young bulls, ready for service. Improved Large Yorkshires of the highest bacon type kept. Orders for spring pigs booked.  
**J. C. Pope, Regina.**

## SHORTHORNS

### Bulls and Females.

Reds and roans, all ages, good cattle, choicely bred, and at prices buyers can make money on. We are not going out of business, but going to do all the business we can. Write us or call on us if interested. Will treat you right, and meet you if advised in time. Golden Rule is our motto. Come and try us.

**D. HYSOP & SON,**  
BOX 103, KILLARNEY.

**LANDAZAR STOCK FARM.**  
2 1/2 miles west of Killarney.

#### Canadian Horse Show Prize List.

Toronto, April 29 and 30 and May 1 and 2, 1903.

##### BREEDING CLASSES.

**THOROUGHBREDS.**—Stallion foaled previous to January 1, 1900—1, Crow & Murray, Toronto (Tragedian); 2, W. J. Thompson, Hamilton (Dunrobin). Stallion foaled subsequent to and on January 1, 1900—1, E. B. Clancy, Toronto (Prince Arthur); 2, J. Gordon Barbour, Toronto (Bill of the Play). Stallion qualified to improve the breed of saddle horses and hunters—1, E. Whyte, Aldershot (Dalmoor); 2, W. A. Lawrence, Milton (Trinity); 3, M. A. Harbour, Toronto (Billete). Best Thoroughbred stallion any age—1, E. Whyte, Aldershot (Dalmoor).

**CARRIAGE OR COACH.**—Stallion foaled previous to January 1, 1900, not less than 16 hands in height—1, J. L. Reid, Derry West (Lord Roberts); 2, J. L. Reid, Derry West (General Buller); 3, Wm. N. Scott, Milton (Performer); 4, Thos. Irving, Winchester (W. P. K.'s Sir Joseph). Stallion foaled subsequent to and on January 1, 1900—1, A. G. H. Luxton, Milton (Reformer); 2, H. N. Crossley, Rosseau (Royalty); 3, J. L. Reid, Derry West (Kitchener).

**STANDARD-BRED ROADSTERS.**—Stallion foaled previous to January 1, 1900—1, Cheyne & Armstrong, Derry West (Golden Jubilee); 2, Geo. W. Kennedy, Ilderton (Lord of the Manor); 3, Miss K. Wilks, Galt (Sylvester J.). Stallion foaled subsequent to and on January 1, 1900—1, Miss K. L. Wilks, Galt (Rex W.); 2, Geo. W. Kennedy, Ilderton (Sir Casimir).

**HACKNEYS.**—Stallion foaled previous to January 1, 1900—1, Robert Beith, M. P., Bowmanville (Saxon); 2, Thos. Irving, Winchester (Kitchener). Stallion foaled subsequent to and on January 1, 1900—1, R. Beith, M. P., Bowmanville (Symlett Performer); 2, T. A. Cox, agent, Brantford (Jubilee Performer); 3, R. Beith, M. P., Bowmanville (Toscar). Mare foaled subsequent to and on January 1, 1900—1, H. N. Crossley, Rosseau (Queen of the Party); 2, H. N. Crossley, Rosseau (Peerless). High-stepper, mare or gelding, not under 15 hands, etc.—1, A. Yeager, Simcoe (Derby's Pride); 2, A. Yeager, Simcoe (Gay Boy); 3, P. Maher, Toronto (Duke). Best Hackney stallion, any age, foaled in Canada—1, R. Beith, M. P., Bowmanville (Saxon). Sweepstakes, best Hackney stallion, any age—1, R. Beith, M. P. (Saxon). Best Hackney stallion or entire colt, by an imported sire and out of an imported dam—1, R. Beith, M. P. (Saxon). Best Hackney mare, any age, foaled in Canada, shown on line—1, R. Beith, M. P. (Canadian Queen); 2, H. N. Crossley, Rosseau (Queen of the Party), reserve. Best Hackney mare or filly by an imported sire and out of an imported dam—1, H. N. Crossley, Rosseau (Queen of the Party); 2, Robt. Davies, Todmorden (Lady Minto), reserve. Best mare or gelding exhibited in single harness, sired by a registered Hackney—1, A. Yeager, Simcoe (Derby's Pride); 2, H. N. Crossley, Rosseau (Queen of the Party); 3, Mrs. A. Beck, London (Jubilee King); 4, Lt.-Col. Stimson, Toronto (Rosseau Jewel).

**SWEEPSTAKES.**—Pair of draft mares or geldings, any breed whatever, shown in harness—1, T. A. Cox, Brantford (Moss Rose and Moss King); 2, Geo. Moore, Waterloo (Wallace and Bruce); 3, Dentonia Park Farm, Coleman (Dock and Jock); 4, R. K. McIntosh, Toronto (Jennie and Rose).

Heavy Draft mare or gelding, single, any breed—1, T. A. Cox, Brantford (Moss King); 2, H. Pelton, Embro (Jimmie); 3, John Larnon, Toronto (Sandy).  
Pair of mares or geldings, sired by a registered Clydesdale stallion—1, T. A. Cox, Brantford (Moss King and Moss Rose); 2, Geo. Moore, Waterloo (Wallace and Bruce); 3, Dentonia Stock Farm, Coleman (Dock and Jock).

## "A FREE SAMPLE PACKET"

of Delicious "SALADA" Ceylon Tea (Black, Mixed or Natural Green) will be sent to any person filling in this coupon and sending it to us with a two-cent stamp for postage. (Write plainly and mention Black, Mixed or Natural Green.)

Name.....

Address.....

"Farmer's Advocate." Address "SALADA" TEA CO., TORONTO. om

# THINGS

ON THE

## McCormick

that appeal to every practical farmer are the improved needle and simple knotter. There are only two moving parts to knotter, and this partly explains why the McCormick is always in working order. The simple knotter is made of extra hardened material that insures long wearing and means long life for the binder.



The McCormick needle is fitted with steel rolls in both the point and heel. These rolls prolong the life of the needle and facilitate the good work of the machine.

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**H. R. THURBER, Toronto, Ont.**  
General agent for McCormick Machines.

**A. B. CLANCY, Montreal, Que.**  
General agent for McCormick Machines.

**Shorthorns for Sale**—Two well-bred young bulls 20 and 11 months old. Large, growthy individuals, of choice quality and low-set type.  
**GEO. ALLISON,** Burnbank, Six miles north of Elkhorn.

**FAIRVIEW STOCK FARM.**  
Ayrshires, Yorkshires and B. Minorcas. For sale: Stock bull, Craigielea of Auchenbrair (imp.) (3302)=1661=, 1st at Toronto, and 3 choice young bulls of his get. Fall pigs on hand and spring orders booked.  
**WELLINGTON HARDY, Roland, Man.**

#### LAKE VIEW STOCK FARM.

## Shorthorns

### FOR SALE.

I am offering my whole herd for sale. In this offering there is that grand stock bull, Clan McKay (imp.); Empress of India (imp.) and her heifer calf, about 12 months; this is a show calf in any country; also some good cows and heifers; some of them have calves at foot by Clan McKay (imp.), and served again. There is no reserve. All cheap if sold now. It will pay any one wanting good cattle to see these before buying, and get some show and good breeding stock. No reserve.  
**THOMAS SPEERS, Proprietor,** OAK LAKE, MAN.  
**SHORTHORNS AND BERKS FOR SALE.**—Stock bull, Sir Caithness; also young bulls and heifers of his get, possessing extra quality and good bone. Large Berks for sale, of both sexes. Purchaser's livery paid.  
**R. M. WILSON,** Pilot Mound Station, Marringhurst P. O.

#### PLAIN VIEW STOCK FARM.

**COTSWOLD, SHORTHORN, BERKSHIRE.**  
FOR SALE: Bulls, heifers and cows of good quality; also a nice lot of hogs and sows, all ages. A few Cotswolds at reasonable prices. Write or come and see them.  
**F. W. BROWN, Proprietor,** Portage la Prairie, Man.

**SCOTTISH SHORTHORNS.**  
FOR SALE.—16 bulls, from one to two years old; 16 year old heifers; a few two-year-olds, bred to Sir Colin Campbell (imp.); also c w and calves. General 3089=, Lord Stanley 43rd=35731=, and Sir Colin Campbell (imp.) 28878, our present stock bulls.

**GEO. RANKIN & SONS**  
HAMIOTA, MAN.

**GLENROSS FARM.**  
SHORTHORNS for sale: Stock bull, Golden Flame, 2nd at Toronto in class under 8 year. Also 5 choice young heifers, from 6 to 10 months old, sired by him.

**A. & J. MORRISON,** Carman P. O. and C. P. R. sta. Homewood sta. (C.N.R.) on farm.

# THREE IDEAL DAIRY FARMS

WE have the following splendid dairy farms for sale near BLACKFALDS, ALBERTA, close to Government Creamery, and right in the heart of the garden of Alberta:

**160 ACRES, 8 miles from Blackfalds and Creamery.**—25 acres broken; house, barns, corrals, etc.; two splendid ever-running springs; 100 acres more all clear and can be broken on this place. The buyer of this property can purchase, at a very low figure, a hay slough good for 400 tons per year.

**160 ACRES, 1 mile from Blackfalds and Creamery.**—Mostly fenced; house, barns, corrals; splendid hay slough, springs, etc. On easy terms.

**160 ACRES, 2 1/2 miles from Blackfalds and Creamery.**—30 acres ready for crop; good frame house, stables and barn; nearly all fenced; good lake frontage. An ideal dairy farm.

If you want locations, we can suit you. Write us for particulars. m

## BLACKFALDS LAND CO., BLACKFALDS, ALTA.

### WE INSURE

and absolutely guarantee by our Policy, payment of loss from the death of

### Pure-bred Registered Live Stock

Owners of valuable animals of this class should get full information from our local agents, or write to the

**Central Canada Insurance Company,**  
Brandon, Manitoba.

#### THORNDALE STOCK FARM

138 Shorthorns in Herd.  
FOR SALE: Royal Judge = 29260, one of the stock bulls, winner of 1st at Winnipeg and Brandon, and 19 young bulls; also, females of all ages.  
**JOHN S. ROBSON,**  
MANITOU, MAN.

#### LAKESIDE SHORTHORNS FOR SALE

Stock Bull, Sir Colin Campbell (Imp), winner of 2nd place at the Winnipeg Industrial, 1902; also Royal Campbell, rising 2, another Winnipeg winner, and two bull calves under 1 year—the low-set, growthy kind—sired by Sir Colin.  
**R. McLennan, Holmfild.**

#### Oak Grove Farm.

SHORTHORNS AND YORKSHIRES

One choice young bull by Masterpiece, he by Grand Sweep (Imp.); a few heifers by the same bull; also some by Village Hero and Knuckle Duster (Imp.). Some young sows of spring litters, and an extra choice lot of W. P. Rock cookereels. One pure-bred Billy goat (Angora). I am offering bargains in heifers. Correspondence solicited.

**JAS. BRAY,**  
LONGBURN, MAN.

#### FOREST HOME FARM

Shorthorns, Yorkshires, and Barred P. Rocks  
FOR SALE: A number of choice young bulls. A fine lot of boars fit for service. Sows of different ages, bred and ready for breeding. Young pigs, both sexes.  
An exceptionally fine lot of cockereels—large, healthy, well-bred fellows. All at reasonable prices.

Carman, C. P. R.; Roland, C. N. R.  
**ANDREW GRAHAM, Pomeroy P. O.**

#### MARCHMONT HERD

#### Scotch-bred Shorthorns

The 2 imported bulls, Prince Alpine and Barrister, head a herd of 50 imported and Canadian-bred, Scotch-topped cattle. A catalogue showing their breeding is now printed, and will be forwarded on application. 25 young bulls for sale, of modern breeding and good conformation, and at moderate prices.  
**W. S. LISTER,**  
(7 miles n. of Winnipeg.) Middlechurch P. O.  
Tel. 10016.

### GOSSIP. ANOTHER GREAT SHORTHORN SALE IN SIGHT.

The announcement in our advertising pages of the joint sale of 56 head of selected Scotch-bred Shorthorns from the noted herds of Hon. W. C. Edwards, Rockland; Hon. John Dryden, Brooklin; Capt. T. E. Robson, Ilderton, and other prominent Ontario breeders, to be held at Hamilton, Ont., on June 9th, is one of peculiar interest, owing to the fact that this is, we believe, the first time that Mr. Edwards and Mr. Dryden, who are the principal consignors, have ever contributed from their noted herds to a public offering in Canada.

Mr. Dryden, in a paragraph appearing elsewhere in this issue, announces that his contribution comprises a choice selection of two young cows with calves at foot and a bevy of five handsome red Scotch-bred heifers, sired by his principal stock bulls and in calf to the choice Cruickshank bull, Prince Gloster, of the favorite Duchess of Gloster tribe. Mr. Dryden states that these heifers are of the same pattern as those contributed by him to the Chicago combination sale last June, where a consignment of nineteen heifers from his herd, all bred by himself, made the splendid average of \$565 each. Mr. Dryden can probably claim to have in his herd more straight-bred Cruickshank cattle than any other in Canada, if not in America, and he has bred them for constitution and quality as well. His offering in this sale will, therefore, be of special interest.

Mr. Edwards, who is the largest contributor to the sale, has probably the largest herd of Scotch-bred Shorthorns in the Dominion, if not on this continent, and its merit is by no means confined to its numbers, but consists, first of all, in the individual excellence of its members and in the superior excellence of the breeding of the animals. There are over 100 head of carefully-selected imported Scotch-bred females in the Pine Grove herd of some 175 head, all told, and in the contribution to this sale are included a number of excellent imported cows and heifers of popular Scotch families, having calves at foot or in calf to the principal stock bulls in the herd. Many of these are suitable for show-yard material, and all are in the best of breeding condition. Among the home-bred heifers are daughters of the noted Marr-bred Missie bull, Marquis of Zenda, son of Wanderer, and his dam a daughter of the great William of Orange, and some of these are bred to the splendid Duthie-bred bull, Imp. Village Champion, one of the highest-priced bulls imported to Canada, a son of the Marr-bred Scottish Champion and of the Cruickshank Village Maid family.

Capt. Robson's contribution consists of three handsome and substantial home-bred heifers, full of quality and character, suitable for show purposes, and bred to his grand young imported bull, Prince Sunbeam, considered by competent judges one of the best of the breed in the Dominion.

The catalogue not having reached us, we are unable at this writing to state who are the other contributors or to speak definitely of individual animals, which we hope to do in our next issue. In the meantime, all interested in good cattle will do well to make application to Mr. Dryden, Parliament Buildings, Toronto, for a copy of the catalogue, and lay their plans for attending this very attractive sale. We are not aware that any fancy prices are expected, but we are prepared to see a selection of cattle that are worth good prices and that will improve the character of any herd into which they may go.

### HILLHURST DISPERSION SALE.

HAMILTON, ONT., AUGUST 11th and 12th.  
**80 STRAIGHT SCOTCH AND SCOTCH-TOPPED SHORTHORNS.**

Including the whole of last year's importation of yearling heifers. Catalogues ready July 1st. Six choice young bulls by Scottish Beau, Joy of Morning and Scottish Hero, for private sale at attractive prices. Send for catalogue.

**M. H. COCHRANE,** HILLHURST STATION, P. O.

### PUBLIC AUCTION SALE

ON **Friday, June 19th, 1903,**  
Six Miles from New Hamburg and Tavistock, G. T. R.

**AN EXTRA CHOICE FARM**  
of 110 acres; deep, rich soil, thoroughly tile drained; good buildings and water; 12 acres good timber; all kinds of fruit trees; convenient to church, school and post office. Title indisputable. Also pure-bred YORKSHIRE HOGS, HORSES, GRADE CATTLE, and IMPLEMENTS. Proprietor retiring from farming on account of failing health. For particulars, write  
**FRED. C. SMITH, PROP.** or **D. RUDY,**  
Spruce Grove Farm, New Hamburg P. O. Auctioneer, Tavistock Ont.

### THE BLOOD OF TOPSMAN Breeds on.

**JNO. G. BARRON** is offering for sale  
**10 SHORTHORN BULLS**

Aged 12 months to 14 months, sired by Nobleman (Imp.) = 28871. Also for sale, three following noted Shorthorns:—  
1. Topsmans Duke = 29045—First prize and sweepstakes bull at Winnipeg Industrial, 1901, and 1st prize in aged bull class, 1902.  
2. Sir Arthur Grant = 30503—Two years old, and out of Jenny Lind IV.; got by Nobleman (Imp.) = 28871.  
3. Nobleman (Imp.) = 28871.  
Stock is all open for inspection. No "culls" in them.  
You will always be made welcome at

**FAIRVIEW STOCK FARM,** JNO. G. BARRON, PROPRIETOR,  
CARBERRY, MANITOBA.  
Three miles from town of Carberry. Also call at Western Stables, Carberry.

### PRAIRIE HOME STOCK FARM

CLYDESDALES, SHORTHORNS, AYSHIRE, SHROPSHIRE, BERKSHIRE AND YORKSHIRE.  
Shorthorn herd headed by Judge, Imp. Stitton Hero 7th and Moneyfuffel Banner. Ayrshires of the best quality; herd headed by Surprise of Burnside and Paul Kruger. Shropshires of all ages for sale. Summer Hill Monarch and a large number of high-class sows represent the approved bacon type of Yorkshires. The Berkshire boar, Victor (Teasdale), sweepstakes at Brandon and Winnipeg, 1900, and 30 sows of faultless conformation and superior breeding, make up the Berkshire herd. Farm 1 mile from the station. Visitors welcome. Prices and quality right.  
**THOMAS GREENWAY, PROPRIETOR,**  
Address all communications Crystal City, Man. on farm business to Waldo Greenway, Crystal City, Man.

### Craigie Mains Clydesdale Stud.

**A. & G. Mutch, Proprietors.**  
Leading Western Clydesdale breeders. Numerous prize-winners on hand. Prince Stanley 2143 for sale. Present stock horse, sure foal-getter. Stud colts and fillies of select breeding for sale; also first-class teams.  
BROME GRASS SEED, in 500-lb. lots or over, 8 cents per lb., sacked. Cash to accompany order.  
**A. & G. MUTCH, LUMSDEN, ASSINIBOIA**

### FOR SALE: DRAFT HORSES OF ALL AGES.

OWING to lack of range, we have decided to cut our herd of draft horses down to one-half and sell 2,000 head at greatly reduced prices. This great selection of mares, geldings and growthy youngsters of all ages represents the results of seventeen years of judicious mating to strictly high-class Percheron, English Shire, Clydesdale and Hackney sires. We can furnish high-grade brood mares and fillies with foal to imported and home-bred registered stallions, and have always on hand a large and first-class selection of registered and high-grade Percheron and English Shire stallions, also registered mares and fillies of same breeds. Correspondence solicited. Inspection invited.

**LITTLE MISSOURI HORSE COMPANY,**  
W. G. CLARK, SUPT. GLADSTONE, NORTH DAKOTA.

In answering the advertisement on this page, kindly mention the FARMER'S ADVOCATE.

Horse Owners Should Use  
**GOMBAULT'S**  
**Caustic Balsam**  
The Great French Veterinary Remedy.  
**A SAFE, SPEEDY AND POSITIVE CURE.**



Prepared exclusively by J. E. Gombault, ex-Veterinary Surgeon to the French Government Stud.

**SUPERSEDES ALL CAUTERY OR FIRING**  
Impossible to produce any scar or blemish. The safest best Emitter ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses or Cattle.

As a **HUMAN REMEDY** for Rheumatism, Sprains, Sore Throat, Etc., it is invaluable.

**WE GUARANTEE CAUSTIC BALSAM** will produce more actual results than a whole bottle of any liniment or spavin cure mixture ever made.

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. Send for descriptive circulars, testimonials, etc. Address  
**THE LAWRENCE-WILLIAMS CO., Toronto, Can.**

**CLYDESDALES FOR SALE**

New Importation just arrived  
**25 STALLIONS**  
OF  
Choice Breeding, Excellent Quality and Extra Large Size.

Stock has been personally selected. Inspection solicited and prices will be found right.

**O. SORBY, QUELPH, ONT.**

**Stallion Owners!**

You want insurance on your high-priced animals.  
We have just what you want.  
No uncertainty as to the price or quality of the goods.  
Let us get together and do some business.  
Full particulars as to rates, etc., furnished on request, by our local agents or our head office. The

**Central Canada Insurance COMPANY.**  
Brandon, Manitoba.

**JOHN WISHART'S CLYDES AND HACKNEYS**  
At PROSPECT FARM, four miles north of P. la P., can be seen Clydes and Hackneys, many of them winners at Winnipeg, Brandon and P. la P. Young stock of both sexes for sale.  
PORTAGE LA PRAIRIE. JOHN WISHART.

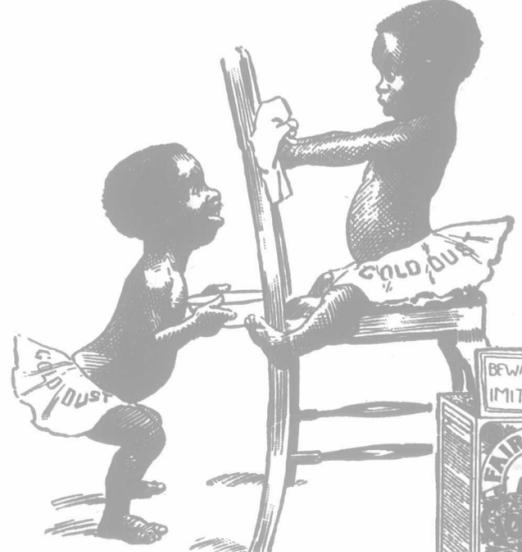
**CLYDESDALES**  
Two stallions (imp) almost 3 years old, carrying the blood of Danley, Lord Frakine and Prince of Wales. Al o I (imp) mare, 5 yrs. old, a Scotch prizewinner of like breeding.  
JOHN MORROW, Darlingford.

**STAMMERERS**  
THE ARNOTT INSTITUTE, BERLIN, CANADA.  
For the treatment of all forms of SPEECH DEFECTS. Dr. W. J. Arnett, Superintendent. We treat the cause, not simply the habit, and therefore produce natural speech.  
Write for particulars.

**GOSSIP.**  
T. D. Taylor, of Minnedosa, recently purchased from the Hon. T. Greenway, the two-year-old bull, Stronsa's Stamp, sire Riverside Stamp 2nd, dam Daisy of Strathallan 12th (a well-known show cow), by Mina Chief; grandam Red Rose of Strathallan 3rd, by Ercildoune. This young bull is of blocky make, with a nice head, fine chest, well sprung ribs, and good straight back and broad loin. Mr. Taylor also has eight pure-bred cows, five young heifers and some nice calves. Quite a few Berkshire pigs are also kept.

**ISLAND PARK FARM.**  
Mr. J. A. Chapman, of Beresford, Man., has a very nice lot of Herefords, headed by Lord Ingleside 6th, bred by H. D. Smith, Compton, Que. This four-year-old bull is a very short-legged animal, with a splendid chest, well-arched ribs, straight lines, strong back, plump quarters, and carrying abundance of flesh free from patchiness. He was sired by the noted bull, Mark Hanna, dam Lady Ingleside, by Pinkham of Ingleside. Lord Ingleside has to his credit three diplomas and silver medal won at Winnipeg and Brandon. Last year, his young stock, both bulls and heifers, won first and second at Winnipeg. Lately, Mr. Chapman brought up from the east a carload of bulls and heifers. The bulls, nine in number, are a choice, even lot, seven of them sired by Baronet (imp.). One of the lot, a two-year-old, is worthy of more than a passing notice. He is a big fellow with straight lines, strong on the back and loin, broad and full in the chest, and with ribs that stand out from the back in a way that gives him lots of constitutional vigor. His name is Imperial 2nd, sire Baronet (imp.), dam Ionie, by Young Ingleside. Mr. Chapman has also three young bulls of his own raising, sired by Lord Ingleside. They are of the type much needed, quite equal to the Ontario-bred ones. In the carload brought from the east there were also seven two-year-old heifers, three of them by True Briton (imp. in dam), named Prosy 3rd, Hillside Beauty 2nd and Buttercup 2nd. The other four were sired by Likely Lad. Their names are Sunshine 3rd, Pride of Durham 3rd, Lady Normandy 2nd and Lady Glenelg 2nd. These heifers are a real good lot. Most of them are now bred to Lord Ingleside. Several of the matrons are well known in show-yard circles. During the last three years the Island Park herd have won four diplomas, one silver medal, twenty-four first prizes, thirteen seconds and three thirds between Winnipeg and Brandon. Lady Tushingham 2nd is sixteen years old, and yet a breeder. She was sired by Tushingham, dam Lady Wintercott 12th, and is a cow of fine depth, with great constitution. Queen 7th, sire Constantine, dam Queen 3rd, is noted as a breeder. Her yearling heifer, sired by Lord Ingleside 6th, won first last year as calf at both Winnipeg and Brandon. This heifer, Princess, has developed into a beauty, with a grand back, great loin and well-sprung ribs. Fairy 5th, sire Prince of Beresford, dam Fairy, by Tushingham 5th, won first in Winnipeg in strong competition—seven entries—in '91. Her handling qualities are remarkable, and her smoothness and deep, thickly-fleshed quarters, along with her many other strong points, give her the right to be considered one of the choice ones of the breed. Another winner of firsts at Winnipeg is Downton Ingleside, sire Horace, dam Lady Beautiful. She is a young cow and has never yet won anything but firsts. Lady Tushingham 4th is a fine large cow with an extra choice bull calf at foot. She was sired by Constantine, dam Lady Tushingham 2nd, by Tushingham (imp.). At Winnipeg and Brandon, this cow has won second. Spot of Island Park, not three until next June, is suckling her second calf, and a fine young bull he is. Hers of last year won first at Winnipeg and Brandon, and was since sold to W. J. Willoughby, of Nunga. Dorothy of Island Park, a fine heifer, won second at Winnipeg and Brandon last year. Another winner of firsts at Winnipeg and Brandon is Victoria of Island Park, sire Constantine, dam Victoria 5th, by Tushingham 5th.

**"Let the GOLD DUST twins do your work."**



Slave if you will, but if you prefer to make housework easy, use  
**GOLD DUST**  
It makes home brighter and care lighter.

Made only by THE N. K. FAIRBANK COMPANY,  
Montreal, Chicago, New York, Boston, St. Louis—Makers of COPCO SOAP (oval cake).

**A Free Trial Convinces WE PAY THE FREIGHT.**

Mr. Taylor Hamilton, Locksley, Ont., writes us, under date of April 29th: "I received your No. 2 Separator on the 18th, set it up on the 20th, and must say it has given perfect satisfaction. I am only sorry I did not send for it sooner."

There can be only one report made in regard to the service given by the **WINDSOR SEPARATOR**. They have advantages in the minor points over most if not all the high-priced ones; they will skim as close as any separator can skim, and they are easily operated and easily cleaned.

Do not be suspicious because our prices are so low. Let us send you one for a week on **FREE TRIAL**. Put it in competition with any other separator made, and we are dead willing to take our chances that you will keep our separator after the trial is over. If you do not, it will not have cost you a cent. However, not one separator has yet failed to stay where it was sent.

Our price for the No. 1, capacity 210 lbs. milk per hour, is \$48.75; for the No. 2, capacity 310 lbs. milk per hour, \$57.60; and for the No. 3, capacity 560 lbs. milk per hour, \$85.00. We prepay the freight on all separators sold or sent on trial. Send for catalogue.

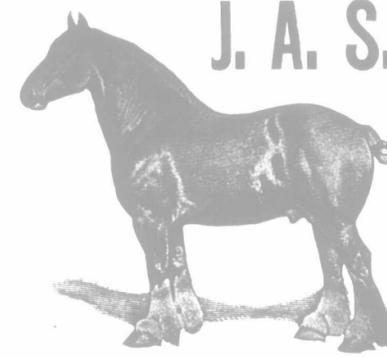
**WINDSOR SUPPLY CO., - Windsor, Ont.**



**J. A. S. MACMILLAN**  
IMPORTER AND BREEDER OF  
**High-Class Stallions.**

The new importation for the coming season comprises many winners.

**Mares and Fillies Always for Sale.**  
Terms easy. Prices right. For full particulars apply  
**BOX 483, BRANDON, MAN.**  
Stallions may be seen at Macmillan's stable (late Douglas), 12th Street, Brandon.



**2,000 HORSES**  
FOR SALE:

All weights, with prices to suit customers. Special rates on car-load lots. You will find it worth your while to write at once for prices to  
**J. H. SPENCER, Medicine Hat, Northwest Territory.**  
Ranch only 15 miles from Medicine Hat, and 8 miles from point of shipment, Stair, Assa. Our entire bunch can be seen between 15th May and 15th June.

**SALESMEN WANTED** in every town in Manitoba and Northwest Territories. Say that you saw it in the "Advocate."

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

As TIME is the stuff Life's made of, take it from an  
**Elgin Watch**

the timekeeper of a lifetime—the world's standard pocket timepiece. Sold everywhere; fully guaranteed. Booklet free.

ELGIN NATIONAL WATCH CO.,  
ELGIN, ILLINOIS.

GOSSIP.

Rendlesham Finite, a massive, drafty Suffolk colt, rising three years, has recently been syndicated at Fox Warren. This beautiful imported chestnut was sired by Queen's Diadem, dam Finis, by Wedgewood; grandam May Princess, by Cupbearer 3rd, the greatest sire the breed has ever produced. Wedgewood won the Queen's medal at the Royal Show at Windsor, and was considered the champion of the breed in England. Queen's Diadem is also a noted show and breeding horse. Judging from this colt's fashionable breeding and present appearance he will prove a very valuable sire. He was imported by Alex. Galbraith & Son, of Janesville, Wis., and Brandon, Man.

The Hartney Clydesdale Horse Company have recently purchased from Alex. Galbraith & Son the imported Clyde stallion, Concord. This horse was sired by Montrave Sentinel, he by Prince of Albion, and he by the Prince of Wales. The dam of Montrave Sentinel was sired by Sanquinar, he by Darnley. Montrave Sentinel is noted as one of the greatest of Clydesdale sires. Prince of Albion was sold for \$15,000 and Prince of Wales for \$11,000, so that Concord is a chip of the very best blocks of horseflesh ever produced in Scotland. Concord's dam is Nannie of Greenshields, by Stonelaw Warrior. Concord is one of the choice ones of the present day. He was twice winner in strong classes at the Highland and Agricultural Society Show in Scotland, and won third at the recent International, beating many high-priced horses.

Wm. Chalmers, of Hayfield, Man., breeds Shorthorn cattle and Tamworth pigs quite extensively. He also at present has a very nice Clydesdale colt sired by Palestine, dam Queen Nately. His present stock bull, Banks o' Don (imp.), is a straight-lined, masculine fellow, low-set and well fleshed. He was bred in Aberdeenshire, and sired by Banks of Fry; his dam's and grandam's sires were bred by Duthie, Cruickshank and Willis. About fifty Shorthorns are kept by Mr. Chalmers. The young stock, a very fine lot, were sired by Banks o' Don (imp.). They possess great constitution and a good growthy appearance. Between cows and heifers, there are some fifteen either suckling calves or heavy with calf, nearly all of which are worthy of mentioning, yet, as space will not permit, we will simply describe a few. Marabell, sire Aberdeen (imp.), is an extra thick, deep, smooth cow. Her lines are very straight, and this, with her well-sprung ribs and broad loin, places her as one of the choice ones. She is also a prizewinner, having taken second at both Winnipeg and Toronto. Lady Windsor, sire Windsor (imp.), dam Maggie Bampton, is another extra large cow, with great heart-girth, straight lines and good quality. In Tamworths, a fine boar and eight brood sows and several large, thrifty litters make up the lot. Persons wishing to buy either Shorthorns or Tamworths will do well to write or visit Mr. Chalmers' herd. Look for his ad., which appears in this issue.

**IMPERIAL**  
CREAM TARTAR  
**BAKING POWDER**  
PUREST, STRONGEST, BEST.

Contains no Alum, Ammonia, Lime, Phosphates, or any injurious.

E. W. GILLETT COMPANY LIMITED Toronto, Ont.

DAVIDSON'S Latest improved Warehouse and Farm Fanning Mills and Bee Supplies. Circulars free. DAVIDSON, Box 48, Uxbridge, Ont.

GEO. STEWART, Howick, Quebec,

IMPORTER OF  
**Clydesdale Horses,**

has now on hand for sale 2 three-year-olds, 3 two-year-olds and 1 yearling stallion (all imported), carrying the blood of Baron's Pride, Mai o' Airies, Darnley and Prince of Wales, combining size, style, quality and action. Also 1 five-year-old mare, with filly foal. The best lot I ever imported. Write quick. om GEO. STEWART, Howick, Quebec.

**Imp. Clydesdales and Shorthorns**

Messrs. Smith & Richardson,  
COLUMBUS, ONT.,  
Importers and breeders of Clydesdale horses and Shorthorn cattle, are now offering 14 stallions, 9 of them imported, including brothers of the world-renowned Baron's Pride, Hiawatha, and Royal Cairn; also 13 mares bred from imported stock. Shorthorns, imported and home-bred, all ages. Stations: Oshawa & Brooklin, G.T.R., Myrtle, C.P.R. Long-distance Telephone, Columbus. Telegraph, Brooklin. om

**SAVE 20 CENTS PER SHEEP** on every sheep you shear with  
**STEWART'S PATENT SHEEP SHEARING MACHINE**  
The day of the old fashioned hand shears is past. No owner of 10 sheep or more can afford to shear by hand, even though the work be done for nothing. Don't butcher your sheep. Shear with this machine and get ONE POUND WOOL EXTRA PER HEAD. It will more than cover the cost of shearing. Send today for valuable book, "Hints on Shearing." It is free and will save you money. CHICAGO FLEXIBLE SHAFT CO., 110 Ontario St., CHICAGO.

TRADE NOTES.

A PROSPEROUS BUSINESS.—It is a matter for congratulation among stockholders in the E. W. Gillett Company, Limited, that they have already received three dividends on their stock. The last dividend was paid on 15th ult., and total amount in less than a year paid to stockholders is \$18,000. The plan of interesting the trade in an industrial company of this kind has proved to be a very fine one.

THE BUILDING SEASON is with us again. This will be a great year in the history of the Canadian West. Thousands will homestead and thousands more who have enjoyed a few good harvests will improve their premises by erecting more substantial buildings. Material in this country costs money, but it pays to use the best. A good roof, above all things, is imperative. In this respect, we take pleasure in drawing attention to Mackenzie Bros.' ad. in another column. They have something new that is worth considering.

RINGING UP THE NEIGHBORS by telephone is what hundreds of American farmers are doing to-day. It is a great convenience, saving time, money and good health. The mistaken idea has been that telephones cost too much money. Not so. A Winnipeg firm comes to the rescue. They are known; their business is well established. The Ernest S. Harrison Co., Winnipeg, have now a trade that they appreciate. Mr. Harrison is president of the Suburban Electric Railway. Write this firm for particulars regarding telephones.

HAIL INSURANCE.—Mr. Jos. Cornell, formerly secretary and manager of the Western Canadian Hail Insurance Co., Wawanesa, Man., has become manager of the Central Canada Insurance Company, with head office at Brandon. This concern has an authorized capital of \$500,000, and will insure all classes of property, including pure-bred registered stock. Hail insurance will also be a special feature of the business, as the manager has had considerable experience in that line.

A GROWING BUSINESS.—The great volume to which the trade on Champion Harvesting Machines has grown can in a measure be appreciated by knowing that there are now sixty branch houses in the United States, located at the principal trade centers, and each devoted exclusively to the conduct of the business of the Champion line. Each branch house is in charge of a general agent, who has under him one or more stenographers, bookkeepers and warehouse men, as well as a number of travelling men. At each branch are carried stocks of machines and a full stock of repair parts, while agents convenient to every locality have on hand such repair parts as are likely to be needed.



**The Old Reliable Remedy**

for Spavins, Ringbones, Splints, Curbs and all forms of Lameness. The use of a single bottle may double the selling price of your horse.

GOOD FOR EVERYTHING.

DR. B. J. KENDALL CO.,

Dear Sirs:—Galveston, N.M., June 16, 1902. I have been using your Kendall's Spavin Cure for some time. I use from twelve to fifteen bottles a week and find it an excellent remedy for Spavins, Swellings, Galls and all Cuts and Jewellings. I have two hundred head of horses in my care. I enclose a stamp for your "Treatise on the Horse and his Diseases."

Yours very truly, H. W. LAIRD.

Thousands of Men report equally good or superior results from its use. Price \$1; six for \$5. As a liniment for family use it has no equal. Ask your druggist for Kendall's Spavin Cure, also "A Treatise on the Horse," the book free, or address

DR. B. J. KENDALL CO., ENOSBURG FALLS, VT.

DEATH TO HEAVES  
REWTON'S Heave, Cough, Stomper and Indigestion Cure. A veterinary specific for wind, throat and stomach troubles. Strongly recommended. \$1.00 per case. Dealers, Montreal or Ex. Mail. Rewton Horse Remedy Co., Toledo, Ohio. Druggists supplied by Logan Bros. & Co., Toronto and Montreal.

**Thorncliffe Stock Farm**

ROBERT DAVIES

usually has on hand some fine specimens of Clydesdales, Hackneys, Jersey and Ayrshire Cattle, Yorkshire Pigs.

Correspondence solicited. Visitors always welcome.

THORNCLIFFE, TORONTO.

DR. PAGE'S

**ENGLISH SPAVIN CURE**



For the cure of Spavins, Ringbones, Curbs, Splints, Windgalls, Capped Hocks, Strains or Bruises, Thick Neck from Distemper, Ringworm on Cattle, and to remove all unnatural enlargements. This preparation (unlike others) acts by absorbing rather than blistering. This is the only preparation in the world guaranteed to kill a Ringbone or any Spavin, or money refunded, and will not kill the hair. Manufactured by DR. FREDRICK A. PAGE & SON, 7 and 9 YORKSHIRE ROAD, LONDON, E.C. Mailed to any address upon receipt of price, \$1.00. Canadian agents:

J. A. JOHNSTON & CO., DRUGGISTS, 171 KING STREET, EAST, TORONTO, ONT.

**BAWDEN & McDONELL**

Exeter, Ont.

IMPORTERS OF

**Clydesdale, Shire and Hackney Horses**



are now offering several imp. Clydesdale, Shire and two Hackney stallions, prizewinners in England, Scotland, and Canada, and representing the best blood alive; also several choice Canadian-bred ones. These animals are all true to type, and possess substance, quality, style and action. om

**CLYDESDALE MARES**

Registered mares, from three years old and upwards, for sale.

NELSON WAGG.

Claremont station, C. P. R., 2 miles. Stouffville station, G. T. R., 4 1/2 miles. om

**JOHN BRIGHT, MYRTLE, ONTARIO,**

BREEDER OF

**Clydesdales and Shorthorns,**



Is now offering for sale 8 stallions, sired by such horses as Prince Patrick (imp.), Erskine's Pride (imp.), Sir Erskine (imp.), Royal Laurence (imp.). Also a number of mares and fillies. Shorthorns of all ages, of such families as Miss Ramsden, Clementina, Strawberry, Crim-son Flower, Village Girl, Stamford, Rachel, etc.

Myrtle Station, G. T. R. and C. P. R.  
Farm connected by long-distance telephone.

**BELGIAN STALLIONS and MARES**

IMPORTED LAST SEPTEMBER. THOROUGHLY ACCLIMATED.

The up-to-date drafter, big and medium weight, dark colors, short, straight back, no hair on legs, immense rumps, pony-built body. Not a shaggy lump of fat. A Klondyke in year stable. Honest value for honest money. Write, or, better, come to

**BARON DE CHAMPLouis, Importer,**  
DANVILLE, QUEBEC.



**ROBERT BEITH, BOWMANVILLE, ONT.,**

IMPORTER AND BREEDER OF

**Clydesdale AND Hackney Horses**

Is offering for sale a number of choicely-bred Clydesdales and Hackney stallions; also a number of Hackney mares. The Clydesdales are sired by the noted horses, Prince of Albion, King of the Roses, Lord Stewart and The Prior.

**ROSEDALE STOCK FARM.**

IMPORTED SHIRE and CLYDESDALE HORSES. SHORTHORN CATTLE and LEICESTER SHEEP.

Newham Duke, the gold and silver medal four-year-old Shire stallion, and the imported Clydesdale stallion, Royal Kerr, in service; also Clyde and Shire stud colts for sale. Imp. Chief Ruler, bred by W. S. Marr, heads the Shorthorn herd. Of the females, 15 are imported, from such families as Marr Missies, Strathallans, Jealous Girls, Crimson Flowers, Orange Blossoms, Wimples, Lovelys, Jilts, Secrets, Verbenas, etc. Farm 15 miles from Toronto, on G. T. R. and C. P. R. Post office, telephone and telegraph.

J. M. GARDHOUSE, Weston, Ont.

NEW IMPORTATION ARRIVED FEBRUARY 20, 1903

ANOTHER LOT OF

**First-class Clydesdale Stallions**

has just been added to our stock, giving buyers an unequalled selection. These horses are sired by such sires as Baron's Pride, Prince Romeo, Prince Thomas, and other noted sires. They have superior quality, and are for sale at very reasonable prices. Persons desiring to purchase should write or call on

WM. COLQUHOUN, Mitchell P. O. and G. T. R. Station, Ont.

**International Importing Barn, Sarnia, Ontario.**

J. B. HOGATE, PROPRIETOR.

IMPORTER OF

**Clydesdale and Shire Stallions, and Spanish Jacks.**



My third importation within the last fourteen months arrived Sept. 4th.

I select every one myself, and it is conceded both in Europe and America that I do get the best ones that cross the Atlantic to America. My stallions are sired by the leading sires of Scotland; ages from two to four years. The Jacks are direct from Spain, and registered, two to four years old, 14 1/2 to 15 1/2 hands high. I pay cash for my stock. I buy where I can get the best. Write for particulars. Will save you money.

Mention this paper when you write.

H. H. COLISTER, Manager and Salesman.

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

**GOSSIP.**

Hon. John Dryden & Son, Brooklyn, Ont., contribute seven head to the joint sale of Shorthorns in Hamilton, on June 10th. Among them will be two cows with calves at foot, and five young heifers, all safe in calf to the Cruickshank bull, Prince Gloster. These heifers, all red in color, are rich in Cruickshank blood, and will afford a splendid opportunity to the young breeder who desires to lay the foundation for a Shorthorn herd. They belong to the thick, meaty sort, and are similar in quality to the lot sold in Chicago a year ago. A more extended notice will appear in next issue.

The dates which will probably be fixed for the live stock displays at the World's Fair extend from August 22nd to November 5th, of next year. The barns will be given over to horses and mules from August 22nd to September 3rd; to cattle from September 12th to 24th; to sheep, goats and swine from October 3rd to 15th; and to poultry, pigeons, dogs and pet stock from October 24th to November 5th. Cows participating in the dairy test are likely to begin to occupy their barns December 1st, of this year, continuing their use until November 1st, 1904. Silos will be built adjoining the dairy barns and part of the silage to fill them has already been contracted for. A leading farm machinery company has agreed to put up the silos and to furnish all necessary silage machinery free of any charge.

The United States Department of Agriculture has made extremely liberal exceptions relative to the importation of animals for exhibition at the Louisiana Purchase Exposition. The immense importance of the live-stock display at the World's Fair has been recognized by the Department in allowing every privilege for imported animals that was possible to grant, while keeping in mind the barring of disease, and orders have been issued accordingly.

Canadian animals intended for exhibition at the fair will be admitted on the certificate of a Canadian official veterinarian stating that they are free from contagious or infectious diseases and have not been exposed to contagion within ninety days. Horses from Great Britain and Europe will be admitted by passing veterinary inspection by an inspector of the Bureau of Animal Industry at the port of entry.

Cattle will be admitted on a permit from the Department of Agriculture. The quarantine period for cattle imported from Great Britain, Ireland and the Channel Islands will be sixty days from the time of shipment on animals for the Exposition. This is a reduction of one-third in the time of quarantine. The period of quarantine for other ruminants and swine from the above named countries has been fixed at fifteen days from arrival at the port of entry.

Cattle may be imported without the tuberculin test if shipped direct from the animal quarantine station to the Exposition grounds without unloading on the way.

**BUTTER TESTS ACCEPTED FOR RECORD BY THE AMERICAN JERSEY CATTLE CLUB.**

Biltmore's Rose 150717: Butter, 17 lbs. 5 ozs.; milk, 281 lbs. 8 ozs. Test made from March 1st to 7th, 1903; age, 4 years 11 months. Property of Biltmore Farms, Biltmore, N. C.

Kate of Biltmore 131014: Butter, 16 lbs. 6 1/2 ozs.; milk, 178 lbs. Test made from April 5th to 11th, 1903; age, 5 years 8 months. Property of Biltmore Farms, Biltmore, N. C.

Harrowgate of Biltmore 127233: Butter, 18 lbs. 13 1/2 ozs.; milk, 330 lbs. 12 ozs. Test made from December 24th to 30th, 1902; age, 7 years 7 months. Property of Biltmore Farms.

Very Much More 140733: Butter, 21 lbs. 2 ozs.; milk, 260 lbs. 2 ozs. Test made from March 7th to 13th, 1903; age, 5 years 3 months. Property of Estate of C. Delano, Mount Vernon, Ohio.

**Free to Horse and Cattle Owners**

Our two large booklets telling how to cure Spavin, Ring-bone, Knee-Sprung, Fistula, Poll Evil, Lump Jaw in cattle, Spavins and all kinds of blemishes upon horses, also Sweeny and Kneec-Sprung, Inexpensive methods, easily employed by anybody, and that cannot fail to cure.

We know of over 140,000 farmers and stockmen who rely upon these same methods, and for whom we have saved hundreds of thousands of dollars. Books mailed free if you write stating what kind of a case you have to treat.

**FLEMING BROS.,**  
Chemists,  
46 Front St. West,  
Toronto, Ont.

**Lameness**  
in all forms and Curb, Splint, Spavin, Sprained Cord, etc., all yield readily to and are permanently cured by

**Tuttle's Elixir**  
Used and Endorsed by Adams Express Company.

Nothing equals it when used internally for Colic, Distemper, Founder, Pneumonia, etc.

**Tuttle's American Condition Powders**  
—A specific for impure blood and all diseases arising therefrom.

**TUTTLE'S FAMILY ELIXIR** cures rheumatism, sprains, bruises, etc. Kills pain instantly. Our 100-page book, "Veterinary Experience," FREE.

**Dr. S. A. TUTTLE, 66 Beverly St., Boston, Mass.**  
Beware of so-called Elixirs—some graze but Tuttle's. Avoid all blisters; they offer only temporary relief, if any.

**LYMAN, KNOX & SON, Agents,**  
Montreal and Toronto, Canada.

To cure a Bruise or Strain quickly, wring out a sponge in boiling hot water and hold on the affected part, keeping the sponge hot by repeating the operation, for from 15 to 30 minutes. Rub dry and apply

**ABSORBINE,**

rubbing it in well. Use the hot water steaming process once a day and apply the Absorbine from three to four times a day. One or two days usually cures fresh cases. Absorbine is unequalled in removing blemishes caused by a bruise or strain from animal or mankind. Vet. size, \$2 per bottle; for mankind, \$1 per bottle, delivered or furnished by regular dealers. Write for pamphlets. Manufactured by W. F. YOUNG, P. D. F., Springfield, Mass.

**LYMAN, SONS & CO., Agents for Canada.**

**CLYDESDALES**  
AYRSHIRES and PULTRY.

**R. Ness & Sons, Howick, Que.**

importers of Clyde, Percheron and Hackney stallions, Ayrshire cattle, and poultry, have for sale 5 Clyde stallions, sired by Baron's Pride, Sir Everitt, and Royal Carrick, 1 Percheron, and 1 Hackney, winners. Ayrshires of both sexes, and poultry.

**RED RIBBON STUD**  
Largest Importers and Breeders of

**Shire Horses**  
in the Dominion,

including first-prize winner at Royal Agricultural Show in England, and winning more prizes at Industrial and other large shows than all others combined.

Stallions and mares all ages, home-bred and imported, always for sale. Over 50 to choose from.

**MORRIS & WELLINGTON,**  
Fonthill P. O., Welland County, Ont.

**NO HUMBAG. Three in One.**

Shire V. Stock Marker and Calf Detector. Stops swine from eating. Makes different our milk. Extra Bonus: 25¢ for each 100 lbs. of milk. If you send for this, you will get the Shire and Calf Marker only 50¢.

**FARMER BRIGHTON, FAIRFIELD, IOWA.**



TROUT CREEK SHORTHORNS



JAS. SMITH, Manager, Millgrove, Ont. W. D. FLATT, 378 Hess St. South, Hamilton, Ont.

R. & S. NICHOLSON, Sylvan P. O., Parkhill Station, Ont.

SHORTHORNS

Have for sale: 13 IMPORTED HEIFERS, 7 YEARLING BULLS, 20 HEIFERS (choice).

Home-bred herd composed of Nonpareils, Minas, Clementinas, Cuckoo-shank Lovelys, Shethin Rosemarys, A. M. Gordon's Estelles, Miss Symes, etc.

Greengrove Shorthorns Number 35 head of choice Scotch families. For sale: Several young bulls, by Wanderer's Last, Imp. Fitz Stephen and Fre booter. Females of all ages. W. G. MILLSON, Goring P. O., Markdale Station.

SHORTHORN CATTLE and Oxford Down she P. Imp. Prince Homer at head of herd. Present offering: Young bulls and heifers from imported and home-bred cows; also a choice lot of young rams and ewes from imported sire. JAMES TOLTON & SON, Walkerton, Ont. Farm 3 1/2 miles west of Walkerton Station, Ont.

SHORTHORNS. Imp. Christopher = 28850 = head of herd. A few choice young cows, heifers and bulls for sale, of milking strain. A. M. Shavor, HAMILTON Sta. Ancaster P. O., Ont.

HAWTHORN HERD Of Deep Milking Shorthorns. FOR SALE: Four young bulls, from 8 to 24 months old, from AI dairy cows. Good ones. W. M. GRAINGER & SON, London, Ont.

Lakeview Shorthorns. Herd represented by such noted families as Stamfords, Minas, Marr Floras, Crimson Flowers, Village Girls, Buccan Lassies, and Lavinias. Some yearling and two-year-old heifers for sale. Om James Howes, 4trathnairn P. O., Meaford Sta.

OAK LANE STOCK FARM Shorthorns, Cotswolds, Yorkshires and Barred Rock Fowls.

FOR SALE: Three bulls (2 imp.) cows and heifers, both imported and Canadian-bred. Still open to take orders for N.-W. trade. Write for prices. Satisfaction guaranteed.

GOODFELLOW BROS., MACVILLE, Ont.

W. G. PETTIT & SONS, FREEMAN, Ont., Can.

Scotch Shorthorns and SHROPSHIRE SHEEP,

make special offering for January and February.

2 Imported bulls coming 2 years old, 4 bull calves, from 8 to 12 months old, from imported sire and dam, 6 bulls, 10 mos. to 2 yrs., by Imp. sire. Imp. and home bred cows and heifers of all ages. Our entire flock of Shropshire sheep, 75 head.

JAS. GIBB, SUNNYSIDE STOCK FARM, BROOKSDALE, Ont.

BREEDER OF SHORTHORN CATTLE, Stock for sale.

JOHN DRYDEN & SON, BROOKLIN, ONTARIO.

BREEDERS OF CRUICKSHANK SHORTHORNS AND CHOICE SHROPSHIRE SHEEP.

Five choice young CRUICKSHANK bulls, straight, smooth, low with feet, of superior quality. Visitors welcome.



TWICE

You can get twice the satisfaction, twice the lasting qualities—in fact there is no point of merit in any cream separator that is not equalled or excelled in the

NATIONAL CREAM SEPARATOR

Ball bearing throughout, low-down milk can, easy to turn, easy to clean, simple, strong, safe, enamel finish, up-to-date.

Jos. A. MERRICK, GENERAL AGENT, WINNIPEG, MAN. No. B 250 lbs. per hour. No. I 350 lbs. per hour. No. IA 450 lbs. per hour.

SHORTHORNS

WE ARE OFFERING FOR SALE a grand lot of young imported Scotch cows and heifers with calves at foot or safely in calf to the best imported bull obtainable.

Herd Numbers 150 Head.

Send for New Catalogue.

VISITORS WELCOME, AND CORRESPONDENCE PROMPTLY ATTENDED TO. TELEGRAPH OR TELEPHONE.

H. CARGILL & SON,

Also have a choice lot of Oxford Down Sheep, either sex, at reasonable prices. Cargill, Ontario, Canada.

MAPLE LODGE STOCK FARM

ESTABLISHED 1851.

SHORTHORNS.—First-prize milking strains, best Scotch breeding. Young bulls and heifers for sale.

LEICESTERS.—A grand lot of ewes, bred to our imported rams, and a few choice rams n w for sale.

A. W. SMITH, AILSA CRAIG STA., G. T. R., MAPLE LODGE P. O., Ont. 3 1/2 miles.

Orchard Hill Shorthorns. I am now offering 13 heifers from six months to two years, 4 bulls from 10 to 13 months old, and 7 very heavy milking cows. Here is a rare chance to get stocked with pure-bred cattle at reasonable terms.

A. Johnston, Vandeleur P. O., Markdale Sta.

J. & W. B. WATT

BREEDERS AND IMPORTERS OF Shorthorns, Clydesdales and Berkshires

We breed our show cattle and show our breeding cattle. The imported bulls, Scottish Beau, Viceroy and Scottish Peer, head the herd.

Imported and home-bred cows and heifers for sale. A few choice young bulls on hand. Our herd at Toronto won three firsts, a second and third out of five herd classes.

Salem P. O. and Telegraph Office. Elora Sta., C. P. R., G. T. R. Shorthorns, Berkshires and Leicesters.

FOR SALE: Choice two-year-old heifers, well gone in calf; also yearling heifers, bull calves. Boars and sows fit for breeding, and young pigs.

ISRAEL GROFF, ALMA, ONTARIO.

SHORTHORNS.

Importer and breeder of choice Shorthorns. Scottish Hero 156725 at the head of herd.

JAS. A. CROOKER, Shakespeare, Ont.

PENNABANK STOCK FARM

Three choice Shorthorn bulls from 12 to 14 months old, solid reds. Prices reasonable. Also a few Shropshires left, of choice quality and breeding.

Hugh Fugh, Whiteside, Ont.

SHORTHORNS and CLYDESDALES.

We have for sale five bull calves, from 8 to 24 months, from imp. sire and dams; also six extra good stallions, from two to six years old.

JOHN MILLER & SONS, BROUGHAM, Ont.

SHORTHORNS (IMP.)

Cows and heifers, imp. and home-bred. Bulls, imp. and home-bred—all ages. Representing the fashionable blood of Scotland.

EDWARD ROBINSON, MARKHAM P. O. & STN.

Scotch Shorthorns

Have for sale, at moderate prices, imported heifers and cows, with calves at foot or in calf to Bapton Chancellor, imp. recently imported from Uppermill. Also Canadian-bred heifers and young cows.

H. J. DAVIS, WOODSTOCK, Ont.

ARTHUR JOHNSTON,

GREENWOOD, ONTARIO,

Offers for sale at times' prices, 6 young SHORTHORN BULLS, from imp. dams and by imp. sires.

6 YOUNG BULLS, of purest Scotch breeding. 10 YEARLING and 8 TWO-YEAR-OLD HEIFERS.

Pickering Station, G. T. R. Claremont Station, C. P. R.

SHORTHORNS.

THEORHELL HERD, ESTABLISHED 27 YEARS.

Imp. Royal Member and Sailor Champion now at head of herd, which are all bred on straight Scotch lines, and are of the up-to-date kind. Present offering: some choice young bulls.

REDMOND BROS., Millbrook Sta. and P. O.

BONNIE BURN STOCK FARM, 40 rods north of Stouffville station, offers Scotch Shorthorns; choice Shropshires and Berkshires from imported and Canadian-bred sires. All at farmers' prices. Inspection invited.

D. H. RUSSELL, STOUFFVILLE, Ont.

Spring Grove Stock Farm

Shorthorn Cattle and Lincoln Sheep.

HERD prize and sweepstake at Toronto Industrial Exhibition, three years in succession. Herd headed by the Bruce Mayflower bull, Prince Sunbeam, imp. Present crop of calves sired by Imp. Wanderer's Last, sold for \$2 000. High-class Shorthorns of all ages for sale. Also prizewinning Lincolns. Apply

T. E. ROBSON, ILBERTON, Ont.

SCOTCH SHORTHORNS AND SHROPSHIRE.

Present offering:—Have still on hand one bull and four heifers, and a few cows. Shropshires of both sexes and all ages.

BELL BROS., Bradford P. O. and Station.

SHORTHORNS. Lady Fannys and Beautys for sale 5 bulls, from 6 to 14 months old; 7 heifers, from 1 to 3 years old, some of them in calf to Prince Eclipse 33049.

James Caskey, Tiverton P. O., Kincardine Sta.

SHORTHORNS.

Dark red bull calf, Blue Ribbon 2nd, 15 months old, sired by Blue Ribbon (imp.) 17095 (63703), dam by Royal George (imp.) (64728). Bull calf, 9 months old, dark red; also yearling and two-year-old heifers.

JOHN McFARLANE, DUTTON, Ont.

Shorthorn Cattle, Lincoln Sheep

Imp. Prime Minister at head of herd. Imp. Clippers, Miss Ramsdens, and other Scotch families. Lincolns won more than half the money and first for flock at the Pan-American; International, Chicago, 1901 and 1902.

J. T. GIBSON, DENFIELD, Ont.

SHORTHORNS;

We are offering 3 extra choice yearling bulls, all from imported sires, straight Cruickshank, with Lavender and Miss Ramsden dams. THOS. ALLEN & BROS., Oshawa, Ont.

GRANDVIEW SHORTHORNS

Are made up of Floras, Meadowsweets, Mary Booths and Ruan Duchesses. For sale, 3 bulls, extra nice, thick animals, sired by Fergus Chief, Royal Beau and Golden Count; also a few females.

J. H. Black & Son, Allanford P. O. & Station.

H. K. FAIRBAIRN

ROSE COTTAGE, Thedford P. O. and Station.

One bull 18 months old, 10 cows, 3 yearling heifers, 1 two-year-old in calf, 4 bull calves, 3 heifers, all the get of Royal Prince = 31241 =.

BEAVER VALLEY SHORTHORNS. Son & choice heifers and young cows with calf at foot; also two bulls for sale. Inspection invited.

E. & C. PARKINSON, Thornbury P. O. and Station, G. T. R.

H. PARKER, RIVER FARM, DURHAM.

Breeder of SHORTHORN CATTLE. In service, Verschoyle (imp. in dam) = 36125 =. Stock for sale.

I GUARANTEE A \$5.00 PACKAGE OF BARREN KOW CURE

post-paid, to make any cow under 10 years old breed, or refund money. No trouble, no risk. Given in feed twice a day.

L. F. Seleck, Druggist, Morrisburg, Ont.

A SNAP IN JERSEYS.

Three fine young cows, bred, and a good young bull, not akin to cows or progeny. Price, \$25 for the four. Write for particulars.

W. W. EVERITT, Dun-Edin Park Farm, Box 552, Chatham, Ont.

Please mention any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

**COOPER SHEEP DIP**

**STANDARD OF THE WORLD**

for 60 years. Used on 250 millions annually. Superior to all other kinds. No smell. Benefits while it cures. Keeps flock clean a long time. Increases growth and quality of wool. Used by large majority of sheep breeders in all countries.

Sold by all leading druggists and general merchants everywhere.

If local druggist cannot supply, send \$1.75 for \$2 (100 gal.) pkt. to Evans & Sons, Montreal and Toronto.

**The Dairy S.**

When the dairy alphabet is written, the letter 'S' will stand for three things—Simplicity, Satisfaction, Sharples. They all mean the same thing:

**Sharples Tubular Dairy Separators.**

The simple separator—free from complicated parts—easy to turn and easy to clean.

The satisfactory separator—gives more cream of better quality—yielding a 5% greater profit on your investment than any other separator.

Our Business Dairying Book No. 100 explains how and why, but our separator tells its own story better than words can.

You may try it and then decide whether you want it or not.

Sharples Co., P. M. Sharples, Chicago, Ill. West Chester, Pa.

**JERSEY CATTLE** Fit for St. Louis.

The herd of the late MR. F. M. JONES is FOR SALE.

This magnificent herd represents the result of 30 years of careful breeding and selection by one of the first among the acknowledged experts of America. 1 splendid 3-year-old bull; 3 milking cows, of which, on ordinary feed of herd, one yields 16 lbs. butter a week; 4 rising 3, made on first calves, 13 lbs. 134 ozs., 11 lbs. 4 ozs., 10 lbs. 6 oz., 10 lbs. 6 ozs.; 6 2-year-olds (calving soon), the most beautiful which have ever stood in this celebrated home of beautiful Jerseys; 2 yearling heifers; 4 heifer calves; 2 bull calves.

MISS E. JONES, Box 324, Brockville, Ont.

**Jersey Bulls**

Out of tested show cows and sired by Brampton's Monarch (imp.). As we have the largest herd of pure-bred Jerseys in Canada, we are able to offer great choice. Come and see or write for what you want.

B. H. BULL & SON, O.P.R. and G.T.R. stations, Brampton, Ont.

**Maple Park Farm Holsteins.** Netherland Hamming De Kol (imp.), stock bull. Stock of all ages for sale from the great De Kol Pietertje Clothilde and Barrington strains. Home of the great cows, Edgeley Mol, milk record 104 lbs. in 24 hours; Emery Beauty, the great public test winner, and many others with heavy records. SIDNEY MACKLIN, on Streetsville P. O. and station, C. P. R.

**4 HOLSTEIN BULLS 4**

FOR SALE: From 4 to 7 months old, having sires in their pedigrees from such strains as Inka, Netherland, Royal Aggie, and Tritonia Prince, and out of imported females that have proven their worth at the fall. THOS. B. CARLAW & SON, Warkworth.

**Ridgedale Farm Holstein-Friesians for Sale.**

2 yearling bulls; also bull and heifer calves; all of choice breeding. Prices always reasonable. Write, or come and see them. R. W. WALKER, Union P. O. Shipping stations: Port Perry, G. T. R.; Kyrie, C.P.R. om

**Tredinnock Ayrshires.**

Imported bulls at head of herd: Glenairn 3rd, Napoleon of Auchinbrain, and Lord Dudley. Forty imported females, selected from leading Scotch herds, and their produce from above-named bulls. Fine combined with quality and style, well-formed udders, good-sized teats, and capacity for large milk production. Bull calves for sale; also a few young cows and heifers. For prices and particulars address JAMES BODEN, Mgr., St. Anne de Bellevue, G.T.R. & C.P.R., 20 miles west of Montreal. om

**NETHERLAND AYRSHIRES.**

Present offering: 3 bulls fit for service, prize-winners; also a few young females, sired by Napoleon of Auchinbrain (imp.), whose dam's record was 72 lbs. a day, and all of them out of record cows.

T. D. McCALLUM, on Danville P. O. and Station, Quebec.

**AYRSHIRE CATTLE**

SHROPSHIRE SHEEP, B. P. ROCK FOWL and 20 YOUNG LARGE ENGLISH BERKSHIRES FOR SALE.

J. YULL & SONS, on Carleton Place, Ont.

**GOSSIP.**

The Live Stock Department of the Louisiana Purchase Exposition was virtually organized only since the first of the year, and hence its plans are far less advanced than is desirable. Work on the classifications and the rules and regulations governing exhibits is now, however, being energetically pushed by the Department's chief, Mr. F. D. Coburn, who is placing himself in the closest possible touch with breeders of improved stock everywhere, with a view to utilizing their best ideas for making their feature of the great Exposition what it should be. The Exposition management has planned an exhibition on a scale about twice as large as that of any previous international exposition. The cost of the World's Columbian Exposition at Chicago was about nineteen million dollars. The estimated cost of the St. Louis World's Fair is near forty million dollars. The live-stock interests at the Louisiana Purchase Exposition are likely to be given proportionate attention. Classifications will include all recognized improved breeds. It is expected the friends of all the varieties of live stock will find at St. Louis much greater recognition than has been given them on any previous occasion.

**MILK FEVER OR PARTURIENT APOPLEXY.**



**T**HIS is a disease peculiar to parturition or calving. It is not a fever, as is generally supposed; the rise of temperature to 101 or 2° F. is always favorable.

Symptoms.—The cow appears a little weak or unsteady in the hind quarters has difficulty in rising, forgets her calf, the secretion of milk is suspended, she staggers and falls, and is unable to rise, her head is thrown to her side, and she becomes unconscious of everything about her. Cows most subject to it are deep milkers, fat animals, about the third calf, after an easy natural birth.

Treatment.—Nux vomica or strychnine has given us best results. Tincture of nux vomica in from two to four dram doses may be placed on the tongue every two hours. If twitching of the muscles is shown, decrease the dose. The urine should be drawn with the catheter. The rectum should be emptied by copious injections of warm water.

A physic is dangerous to administer, and almost useless, as the animal would have died or recovered before a physic could operate.

The iodide of potash in parturient apoplexy is now being employed quite successfully. One hundred and fifty grains of iodide of potash should be dissolved in a quart of boiled water. Then, one-fourth of this should be injected, at the temperature of the blood, into each teat. Bag should be thoroughly kneaded immediately after injection. Injections should be repeated in twelve hours if the animal has not improved. Before using injections, the udder should be thoroughly cleansed with carbolyzed water or one to one-thousandth solution of bichloride of mercury. All the milk should be completely drawn.

If the temperature rises or the rectum fills with fecal matter, it is a very favorable indication. Prevention is better than cure in these cases, as the disease is extremely fatal. Light, laxative feed for two weeks before calving, with plenty of exercise, wards off attacks.

All through this treatment give Dr. Hess' Stock Food, a powerful tonic and reconstructive, which gives additional value and nutriment to the food and steadily strengthens the animal's entire systemic condition. The improvement will be noticeable after the first three or four doses—and entire recovery will quickly follow. In every package of this food is enclosed a little yellow card, entitling the purchaser free prescriptions from Dr. Hess.

Dr. Hess' Invaluable Stock Book—a medical treatise in practical form—will be sent free to anyone that will write Dr. Hess & Clark, Ashland, Ohio, U. S. A., mention this paper and state what stock he has and what stock food he has used.

**RIBY GROVE, GREAT GRIMSBY, LINCOLNSHIRE**

**Pure-bred Shorthorn Cattle and Lincoln Long-wooled Sheep.**

**JOHN THORNTON & CO.** will sell by auction, on Friday, July 3rd, at Riby Grove, near Great Grimsby, about 70 SHORTHORN CATTLE and 100 Yearling LINCOLN RAMS and EWES (specially selected), the property of Henry Dudding, Esq.

The SHORTHORNS comprise a grand lot of young red and roan cows with calves at foot, many being excellent milkers, a large number of in-calf two-year-old and yearling heifers, as well as about 20 one and two year old bulls, mostly red or rich roan, of great substance and quality, bred from the best

old Shorthorn strains of long descent of the Scotch Bates-Booth blood.

**LINCOLN LONG-WOOLLED SHEEP.**—Also will be sold about 50 Yearling Rams and 50 Yearling Ewes from the very old-established Lincoln long-wooled flock that has been so distinguished at the R. A. S. E. and Smithfield Club Shows. Last year, first prizes were won at the Royal and County Shows, and the Champion Cup for the best long-wooled sheep in the great Smithfield Club Show.

Catalogues may be had of JOHN THORNTON & CO., 7 Princes Street, Hanover Square, London, W., who will execute commissions. om

**HILLOREST HERD OF Large English Berkshires**

**AYRSHIRES**

**WATSON OGILVIE, PROPRIETOR.**

My brood sows are imported or show animals, and the sires are big, long fellows of the bacon type. For sale: An excellent lot of young pigs, and a few young sows recently bred. Can supply pairs not skin. Enquiries promptly answered. Vine station, G.T.R.—near Barrie. Jno. Lahmer, Vine, Ont.



Ogilvie's Ayrshires won the herd and young herd prizes at Toronto, London and Ottawa in 1900; also at the Pan-American, in 1901, and in 1902 they won all the herd prizes and medals, sweepstakes and diplomas, with one exception. The cows are all imported, and were carefully selected for strength and constitution, style, size of teats, and milk (quantity and quality). The herd is headed by Douglasdale (imp.), champion at the Pan-American and at Ottawa, Toronto and London; in 1902, ably assisted by Black Prince (imp.). Stock, imported and home-bred, for sale at all times. om

**ROBERT HUNTER, Manager.**

One mile from electric cars. Lachine Rapids, P. Q.

**W. W. BALLANTYNE, Stratford, Ontario,** offers three

**YEARLING AYRSHIRE BULLS**

of choice breeding, and right good individuals, at reduced prices, to make a clearance this month. Also bull calves, all ages, and heifer calves, yearlings and two-year-olds. om

**FOR SALE, AT MAPLE AVENUE STOCK FARM, CHOICE Lincoln Sheep and Shorthorn Cattle**

Bred from best English stock. Bred from Scotch bulls of fashionable families. CAN SUPPLY EITHER IN CARLOAD LOTS.

Write us before buying elsewhere. Address: F. H. NEIL, Proprietor, LUCAN, ONT. Box 35. Telegraph and Railway Station. om

**American Leicester Breeders' ASSOCIATION.**

**A. W. Smith, Pres., Maple Lodge, Ont.**

Pedigrees now being received for Vol. 4. For information, blanks, etc., address:

**A. J. TEMPLE, Sec., CAMERON, ILL.**

**FOR SALE:** Six Shropsh're shearing rams, 6 g t by imported ram, and two roan yearling Shorthorn bulls, by imported Duthie bull, Count Sarcasm. For further particulars apply to L. BURNETT Greenbank P. O., Ont. om

**W. S. CARPENTER, "MODEL FARM," SIMCOE, ONT.**

Importer and breeder of Shropshire sheep. My flock was represented at Toronto, and won first in shearing ram, first and second on aged ewes, and second on the pen. First time exhibiting. If in need of a first-class yearling ram, imported or home-bred, write! Your wants can be supplied, and at prices consistent with quality. Have a choice lot to choose from, and can guarantee satisfaction. Come and see them, or a card will bring them. om

Station One-half Mile from Farm. Wabash and G. T. E.

**Dorsets and Chesters**

Young stock in Dorset Sheep and Chester White Hogs of good quality for sale, reasonable

R. H. HARDING, THORNDALE, ONT. om

**PRIZEWINNING COTSWOLDS.**

Imported and home-bred stock, prizewinners at all the leading fairs. ELGIN F. PARK, om Box 21, Burgessville, Ontario, Canada.

**IMP. COTSWOLD SHEEP**

Five rams (year-olds), both sires and dams imp.; 10 ewes (year-olds), sire imp. Also this year's lambs, both sexes; Yorkshire and Tamworth hogs. om

**BROOKS & LANGMAID, COURTOISE, ONT.**

**SHROPSHIRE FOR SALE.**—Shearing rams, ram lambs, ewe lambs, also shearing and older ewes, about 60 head all told. All regist-red or eligible. Low-set, well covered, in fine condition and form. Sires from Campbell and Dryden flocks. MALCOLM McDOUGALL, om Tiverton, Ont.

**Newcastle Herd of Tamworth Swine**

Have for a number of years taken a share of the best prizes offered at Toronto Exhibition, but this year has excelled all past records, having taken on the sweepstakes for the best herd; also both silver medals for best Tamworth boar and best Tamworth sow, besides many other prizes in the various classes. Our present offerings are: A few choice young sows, 4 to 5 months old; 2 yearling sows, in pig; and we are now booking orders for spring pigs, both sexes. Enquiries promptly answered. om

**COLWILL BROS., NEWCASTLE, ONT.**

**WILLOW LODGE BERKSHIRES**

Herd headed by Long-fellow 10th of H. F., assisted by the noted prize-winner, Highclere Crown 3rd. Sows, the best money will buy, and are winners. Young stock of both sexes and all ages for sale, not skin. om

**W. WILSON, SNELGROVE, ONT.**

**Large English Yorkshires**

Imported and Canadian-bred Yorkshire from stock of the best British herds. A choice lot of boars, ready for service, and a number of sows being bred to imported Dalmeny Long Bam, for sale. Also young pigs, all ages. om

**H. J. DAVIS, WOODBROOK, ONT. Box 518.**

**LANGELIER'S YORKSHIRES.**

My importation of Yorkshires has arrived, and is rather better than I expected. Imported boars and sows now for sale at prices consistent with quality. Correspondence cheerfully answered. om

**GUS. LANGELIER, QUEBEC CITY.**

**YORKSHIRES AND BERKSHIRES.**

FOR SALE: Some choice young sows and boars, ready to breed; also Banded Rock eggs, \$1 per setting. om

**O. & J. CARRUTHERS, Cobourg, Ont.**

**FOR SALE: Yorkshires and Holsteins**

Best type and quality. Young stock constantly on hand. Prices right. R. HONEY, om Brickley P. O., instead of Warkworth.

**Yorkshires**

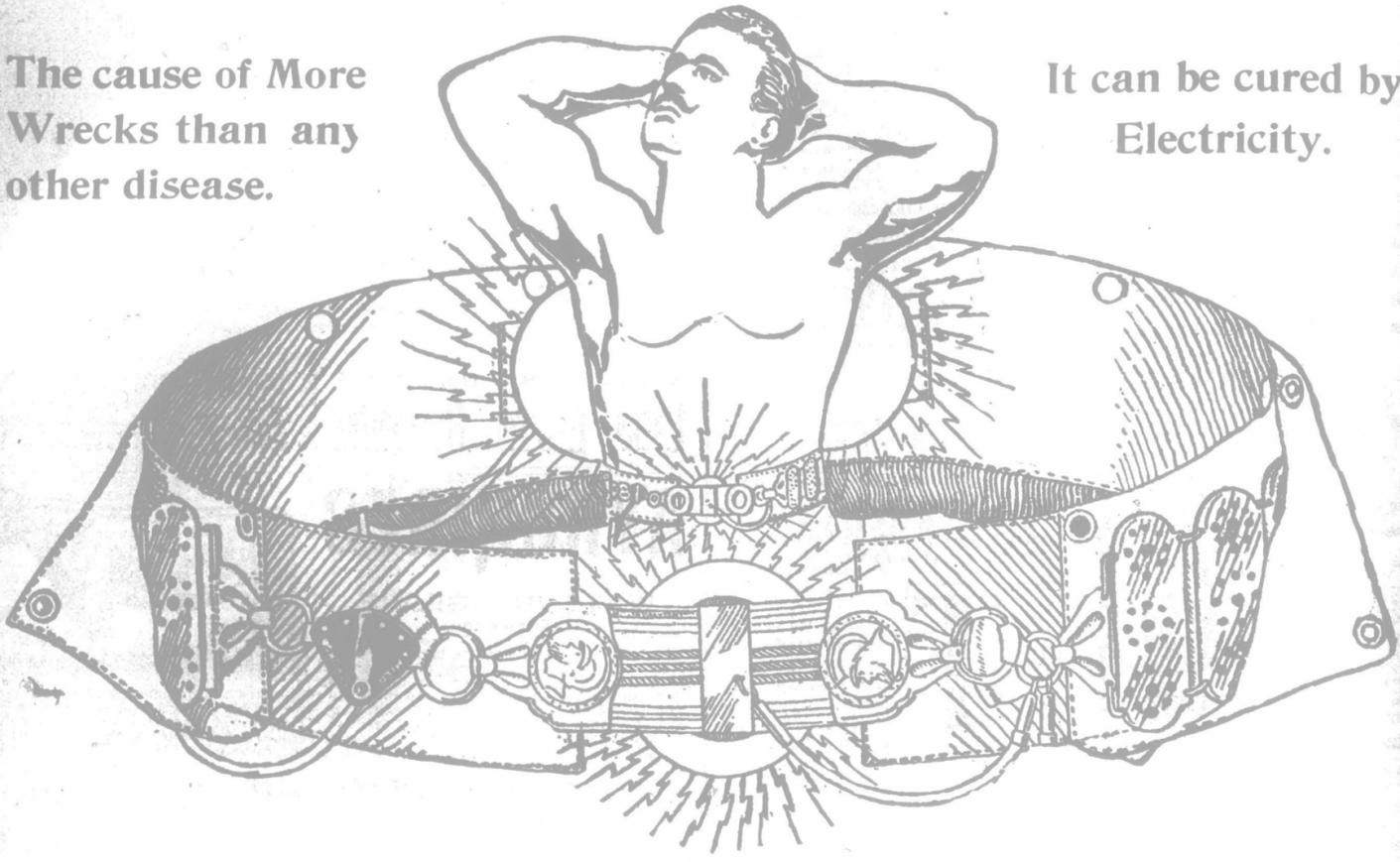
For the next 3 months I can supply either sex, that for ideal bacon type, smooth, even finish, are unsurpassed. Prices reasonable. om

**WM. TEASDALE, Thornhill Sta. and electric cars. Dollar P. O.**

# VARICOCELE CAN BE CURED

The cause of More Wrecks than any other disease.

It can be cured by Electricity.



Thousands of men have Varicocele and are ignorant of the harm which may result; they only know that something is draining the vim and ambition from their bodies and brains, and know of no reason to account for it. This terrible affliction is the most treacherous and certain in its work of all known ailments. It comes on without apparent cause and never ceases in its destructive influence until it robs a man of all his vitality and leaves him a mental wreck.

My method has cured after the knife, injection, ligation and every other known means had been tried and failed. For example, take the case of **G. PARRY, 34 Maude Street, Toronto.** This is his letter:—

Dr. M. A. McLaughlin:

Dear Sir—After my return from South Africa, where I had been serving as a soldier, I was suffering from rheumatism and lame back and a very bad varicocele. I purchased one of your Belts and am pleased to be able to report that I am free from any pain in the back, and that I have not had a touch of rheumatism since I started to wear the Belt. The varicocele is also cured. I am a moulder and my work is heavy, and it gives me great pleasure to find that I can do it without the old soreness coming into my back and muscles.

Also **HENRY ARMSTRONG of Gainsboro, Assa.** Read what he says:—

Dr. M. A. McLaughlin:

Dear Sir—I take much pleasure in handing in this, my first report. I am happy to say that the losses have stopped completely, and the varicocele has all disappeared. I have worn the Belt for thirty days.

Here is another case—**Mr. HUGH McCORMICK, Copper Cliff, Ont.** Read what he says of my method:—

Dr. M. A. McLaughlin:

Dear Sir—It is now thirty days since I began using your Belt, and I find a great improvement from its use. I sleep soundly every night, something I didn't used to do, and my appetite is very good. I haven't had a loss for over four weeks. Thanking you from the bottom of my heart, and wishing you every prosperity in the future.

Varicocele is primarily a weakness in the veins, through which the nutritive blood flows. The failure of this circulative force allows the slow flowing blood to coagulate and gather in a sort of congested state upon the inner walls of the veins; it gradually accumulates then until it almost closes the channel, thus interrupting the private circulation, causing pressure and distension of the weakened vessels and producing that consequent dragging sensation usually complained of in varicocele. This affliction is extremely distressing, for it leads to a most aggravating train of symptoms, often destroying the foundation of the general nervous system and causing total impotency. Of all troubles with which men are afflicted it is the most treacherous in its work and requires the most vigorous and direct treatment.

I have perfected the only appliance which has a special attachment that carries a strong current to the seat of this trouble. In connection with this attachment I also give my Special Spiral Suspensory Free with Belts for Weak Men.

This Belt is worn comfortably at night while you sleep and gives a powerful current that is always under the control of the wearer. It pours its vitalizing energy into the body for six to eight hours at night.

**Easy to Wear! Cures While You Sleep! Never Fails!**

Cures Nervous and Vital Weakness, Enlarged and Inflamed Prostate Gland, Lost Memory, Wasting of Strength, Weak Back and Kidney Trouble, Rheumatic Pains in Back, Hips, Shoulder and Chest, Lumbago, Sciatica, Torpid Liver, Indigestion and Dyspepsia.

I am not giving Belts away. I am offering to cure first and be paid after you are cured. I have an Electric Belt which DOES CURE. I know there is no better way to prove my confidence in the wonderful curative power of my Belt than to cure you before you pay for it. This offer is open to anyone who will secure me. All I ask is that you give me evidence of your honesty and good faith by offering reasonable security. You can use the Belt and

## PAY WHEN CURED.

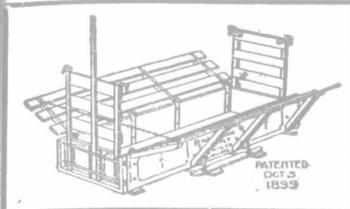
**READ WITH CARE.**

Every patient wearing Dr. McLaughlin's Electric Belt receives **FREE**, until cured, the advice of a physician who understands his case. Agents or drug stores are not allowed to sell these goods.

**FREE BOOK.** If you cannot call, write for my beautiful descriptive book, showing how my Belt is used. It explains how my Belt cures weakness in men and women, and gives prices. Send for it to-day. *I have a book specially for women.*

**DR. M. D. McLAUGHLIN, 130 Yonge Street, TORONTO, ONT.**

*In answering the advertisement on this page, kindly mention the FARMER'S ADVOCATE.*



New and Old Settlers  
should  
**Buy the Western**

## Combination Wagon Box,

Hay, Grain and Stock Rack, and an  
**Electric Steel Wheel Truck**

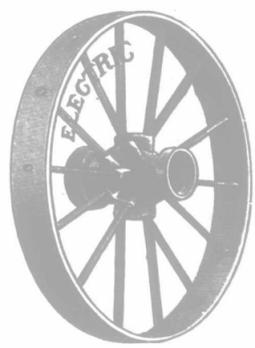
**BECAUSE** in the Rack you have a good Wagon Box, Hay Rack and Stock Rack all in one, built of 1½ inch lumber.

**Trucks** are made of Hickory and Oak, with Steel Wheels, Wide Tires. Easy to load, and easy to draw.

Write for Catalogue. Free.

**The Western**  
Implement Mfg. Co.,  
LIMITED,

WINNIPEG, MANITOBA.  
P. O. BOX 787.



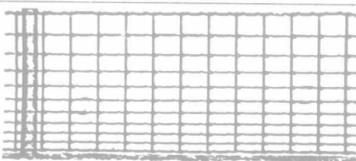
## WOVEN WIRE FENCING

MANUFACTURED IN CANADA

The best selling because the most satisfactory.

### "American" Field Fences

For horses, cattle, sheep, and hogs. All styles and heights—30 inches to 58 inches high, with stays 12 inches or 6 inches apart.

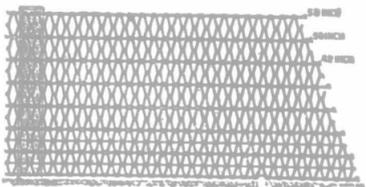


"AMERICAN" FENCE.

### "Ellwood" Field, Farm and Lawn Fences.

Six styles. Heights, 18 inches to 58 inches.

If you can't get the celebrated **AMERICAN** and **ELLWOOD** fences from your dealer write to us and we will help you.



"ELLWOOD" FENCE

The **CANADIAN STEEL & WIRE CO.**  
(LIMITED),  
HAMILTON, CANADA.

## BASKET PLANTS. BEDDING PLANTS. HOUSE PLANTS.

The collections offered below are for immediate acceptance only. They are reasonable and sure to prove very popular. The enormous quantities of these plants which we handle make it possible for us to offer these wonderful collections. Our system of packing is in every way the best. Experience and close observation enable us to ship even the tender plants almost any distance with entire safety.

ANY OF THE COLLECTIONS OFFERED BELOW SENT POST-PAID ON RECEIPT OF PRICE IF DESIRED. WHEN DESIRED BY EXPRESS IS AT PURCHASER'S EXPENSE.

- 20 GERANIUMS \$1.** A collection which leaves no excuse for bare gardens. Here we offer enough plants for a small sum to make a nice sized flower bed.
- 25 BEDDING PLANTS \$1.** A collection of the choicest varieties of bedding plants, such as Coleus, Geraniums, Heliotropes, Verbenas, Salvia, Ageratum, etc. All fine, young plants, will make a fine show this year.
- 20 BASKET PLANTS \$1.** Our stock of Basket Plants includes the finest varieties, many of which cannot be procured from seed. This number of plants will fill two hanging baskets. Try it.



A "Domestic Collection" Rose Bed.

**20 EVERBLOOMING ROSES \$1.**  
The very finest varieties; each correctly named; strong one-year-old plants that will bloom all summer. This is our famous Dominion collection.

**8 HOUSE PLANTS 50c.** Good plants, labelled. Sent postpaid if desired. 1 Asparagus Sprengerii; 1 Geranium Ivy Leaf; 1 Selaginella; 1 Cordyline Indivisa; 1 Cyperus Alt; 1 New Fancy Geranium; 1 Abutilon Flowering Maple; 1 Rex Begonia.

**THESE COLLECTIONS** If you do not **CANNOT BE DIVIDED.** wish the whole number, give some away to your friends, or get them to club with you and order together. Any one of the above collections sent for \$1, with exception of House Plants, which is 50c. Send at once.

We send our catalogue to all our customers. It contains descriptions and prices of hundreds of plants. Address: om

**WEBSTER BROS.,** Leading Canadian Florists, **HAMILTON, CANADA.**

In answering any advertisement on this page, kindly mention the **FARMER'S ADVOCATE.**

Established 50 Years. **YE OLDE FIRME OF HEINTZMAN & CO.** Established 50 Years.

## PIANO SALE EXTRAORDINARY!

SPECIAL INDUCEMENT TO  
MAIL-ORDER CUSTOMERS

**T**HE list that follows is prepared specially for out-of-town buyers. The values are unusual. Every piano will be found just as described, or money refunded. Terms of payment are made so easy that anyone can own one of these instruments, and the inducement in the payment of freight and presentation of drape and stool add further to the wonderful values offered in the instruments themselves.

### THREE SPECIAL PRACTICE PIANOS.

Stoddard, New York, square piano, rosewood case, octagon legs, 6 octaves. Special price.....	\$60.00
W. Hall & Son, New York, square piano, rosewood case, octagon legs, 6 octaves. Special price.....	\$65.00
Hayes & Co., square piano, rosewood case, octagon legs (a really good piano), 6½ octaves. Sale price.....	\$75.00

### HANDSOME SQUARE PIANOS.

These pianos are guaranteed in first-class condition, overstrung scale and thoroughly up-to-date.

Great Union, New York, rosewood case, carved legs and lyre, serpentine base, 7 octaves. Regular price, \$400. Special.....	\$119.00
Weber & Co., carved legs and lyre, rosewood case, handsome serpentine base, 7 octaves. Regular price, \$375. Special.....	\$123.00
Mathewshuck, square piano, handsome carved legs and lyre, beautiful rosewood case, with serpentine base, 7 octaves (a first-class instrument). Regular price \$450. Special.....	\$129.00
J. & C. Fisher, New York, rosewood case, with carved legs and lyre, 7 octaves, serpentine base. This is one of the best American makes. Regular price, \$450. Special.....	\$135.00
C. D. Pease & Co., New York, handsome case (rosewood), with carved legs and lyre, finished back and front with top moulding and serpentine base, 7½ octaves. Regular price, \$475. Special.....	\$140.00
Vose & Sons, of Boston, handsome rosewood case, finished back and front, 7½ octaves, with carved legs and lyre. One of the handsomest pianos we have had for a long time. Regular price, \$500. Special.....	\$145.00
Heintzman & Co., Toronto, handsome rosewood case with carved legs and lyre, serpentine base, 7½ octaves, overstrung scale. Regular price, \$500. Special.....	\$150.00

### BARGAINS IN UPRIGHT PIANOS.

Crossin Upright, Cabinet Grand, full iron plate, dark case with full-length music rack, 3 carved panels in top door, Boston fall, 3 pedals, 4 ft. 8 in. high, 7½ octaves. Regular price, \$400. Special price.....	\$225.00
Newcombe Upright, Cabinet Grand Piano, handsome rosewood case, 3 carved panels in top door, 4 ft. 8 in. high, 2 pedals. A really good instrument. Regular price, \$450. Special.....	\$235.00
Standard Piano, Toronto, Cabinet Grand, mahogany case, full length music rack, Boston fall, 7½ octaves, 3 pedals, used less than 6 months. Regular price, \$400. Special.....	\$245.00
Howard Piano, Cincinnati, walnut case, Cabinet Grand, 7½ octaves, 4 ft. 8 in. high, continuous music rack containing 3 carved panels, mahogany case (dark wine color). One of our best pianos, guaranteed practically as good as new. Regular price, \$475. Special.....	\$295.00

### VERY EXTRAORDINARY TERMS IN BUYING.

Pianos under \$100, \$5 cash, balance \$3 per month. Pianos \$100 to \$150, \$10 cash balance \$4 per month. Upright Pianos under \$250, \$10 cash, balance \$6 per month. Upright Pianos over \$250, \$15 cash and \$7 per month.

### OTHER INDUCEMENTS TO BUYERS.

Handsome drape and stool with each instrument, and all pianos carefully boxed and guaranteed to be in first-class condition on arrival at destination, otherwise same may be returned at our expense and we will refund money paid. We pay freight to any point in Ontario, and make special rates to more distant points. om

Ye Olde Firme of

**HEINTZMAN & CO., Ltd.,**

115-117 King St. West, TORONTO, CAN.



**LAMB FENCE**  
NO SOFT WIRE IN IT.  
The **H. R. LAMB FENCE CO., Ltd.,** LONDON, ONT.  
Fence shipped from our Winnipeg Warehouse.

# Built on the Ground

THAT'S THE REASON FENCES BUILT WITH  
**LONDON FIELD-WEAVING MACHINES**

ARE SUPERIOR TO OTHERS.

Men of long experience with wire fences say they would not pay as much per pound for roll fence as for the same quality of wire with which to weave their own fence on the ground. Why? Because it's built so much better that it pays. Yes, it pays several times over for the work. Buy London Coiled Wire with London tin tags. Build it in the field with a London, and get the best results for the least money.

ASK YOUR DEALER FOR OUR CATALOGUE OR WRITE US.

SEE OUR ADVERTISEMENT IN APRIL 20th ISSUE of ADVOCATE

A. P. McDONALD, 528 MAIN STREET, WINNIPEG, MANITOBA,  
 SOLE GENERAL AGENT FOR THE WEST.

LONDON FENCE MACHINE CO., LTD.: LONDON, CAN.; CLEVELAND, OHIO.

## Out To-day

Five handsomely appointed trains from the Twin Cities to Chicago via the

**Chicago, Milwaukee & St. Paul Railway**

The route preferred by the United States Government.

### Electric Lighted Trains.

- No. 6—DAY EXPRESS—Leaves St. Paul 8.30 a. m., arrives Chicago 9.25 p. m.
- No. 58—FAST MAIL—Leaves St. Paul 3.00 p. m., arrives Milwaukee 12.20 a. m.
- No. 56—FAST MAIL—Leaves St. Paul 7.30 p. m., arrives Chicago 7.00 a. m.
- No. 4—PIONEER LIMITED—Leaves St. Paul 8.35 p. m., arrives Chicago 9.30 a. m.
- No. 2—NIGHT EXPRESS—Leaves St. Paul 11.00 p. m., arrives Chicago 11.55 a. m.

Insist that your tickets and baggage checks read via the Chicago, Milwaukee & St. Paul Railway. A postal card will bring complete information.

**W. B. DIXON,**  
 Northwestern Passenger Agent,  
 ST. PAUL, MINN.

## The WILKINSON PLOUGH CO., Ltd.

TORONTO, CANADA.

THE WILKINSON implements are high-class machines, because there is not a purposeless part in any one of them. Each piece of wood or metal used in their construction is made by skilled workmen, who know what is required to get the best results. We enumerate a number of the lines we manufacture:

Walking Ploughs,  
 Gang Ploughs,  
 Riding Ploughs,  
 Ditching Ploughs,  
 Sidehill Ploughs,  
 Pick Ploughs,  
 Railway Ploughs.

Scrapers, wheel and drag,  
 Road Planers,  
 Land Rollers,  
 Golf Rollers,  
 Drag Harrows,  
 Disc Harrows,  
 Disc Ploughs.

Turnip Drills,  
 Beet Pullers,  
 Scufflers,  
 Ensilage Cutters,  
 Wheelbarrows,  
 Rooter Ploughs,  
 Tracks of all kinds.

WRITE AT ONCE FOR PRICES AND PARTICULARS.

The WILKINSON PLOUGH COMPANY, Limited, TORONTO, CANADA.

You are interested in getting pure goods, your health depends upon it.

## COWAN'S

Perfection Cocoa,  
 Royal Navy Chocolate,  
 Cake Icings,  
 Chocolate Cream Bars, etc.,

ARE ABSOLUTELY PURE.

THE COWAN CO., LIMITED,  
 TORONTO.



## THE BEST PUMP

Is none too good for the

## BARR COLONY.

It is made by H. CATER, proprietor of the BRANDON PUMP WORKS.

If you want a pump, be sure it has

## CATER'S

name on it, and take no other. If no one in your town keeps them in stock, write to

**H. Cater,** Wholesale Manufacturer and Dealer in Pumps and Windmills.  
 Box 410, Brandon, Man.

## BROME GRASS SEED ITALIAN BEES

We have a limited quantity of Brome Grass Seed for sale. Guaranteed pure and clean. Price, 9c, per lb., f. o. b.

**F. L. MACKAY & CO.,**  
 INDIAN HEAD, N.-W. T.

### FOR SALE.

As usual, I am prepared to sell my surplus stock. For particulars, write

**C. A. FLOWN,** - BIRTLE, MAN.

## IMPROVED POULTRY FENCE LATEST UPON THE MARKET

## Fencing and Gates



Buy your fencing and gates direct from the manufacturer. The Oshawa Wire Fence Co., Limited, are the largest manufacturers of the finest styles of fencing and gates in Canada.

Send for Catalogue and Prices.

**OSHAWA WIRE FENCE CO., Ltd.,**  
 OSHAWA, ONT.



### Wide-Tire Metal Wheel FOR WAGONS

Made to fit any size of axle of desired height of width of tire. Are stronger, lighter and cheaper than wooden wheels. Just the thing for the farm.

**QUEEN CITY HARDY WAGONS**



With metal wheels, is low and convenient for farm and general work. Made by skilled workmen, of the best material. Guaranteed to carry from one thousand pounds. Write for catalogue with description of both Wheels and Wagons.

**Dominion Wrought Iron Wheel Co.,**  
 BRILL, ONT.