



to any farmer, and are big points worth considering. There is a growing demand for Cream Separators of larger capacity.

The 900-lb. Simplex Machines are coming to be the favourites,

We Guarantee these larger capacity Simplex Cream Separators to turn

The favorite everywhere it goes. Note its beauty and heavy compact construction, with low-down, handy supply can only 3½ ft. from the floor.

practically as easy as a 600-lb. Machine, once the motion, or speed, is gotten up.

The Simplex is the only practical large capacity Hand Cream Separator.

Your wife can turn it, and she'll be glad to have a large capacity Simplex because it'll skim the whole milking so quickly, without undue effort.

SIMPLEX Cream Separators are noted for ease of Running, ease of Cleaning, Simplicity and Durability-they'll last a lifetime.

SIMPLEX Cream Separators skim their catalogue capacity under most adverse conditions; under good conditions they over-run the rated capacity.

Have us prove the superiority of the SIMPLEX over all others. We'll do it right on your farm.

Write us for full particulars, and detailed description of the SIMPLEX.



Branches: PETERBOROUGH, Ont. MONTREAL and QUEBEC, P. Q. WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

Be With Us June 6

Our Great Farm Machinery Number will be out June oth just at the Heaviest Purchasing Season of the whole year with our people.

Make sure to-day that your orders cover this issue, which will mean much to our Dairy Farmers, which Farm and Dairy reaches exclusively. Circulation nearly 15,000.

#### WHAT THE CONTARIO GOVERNMENT WILL DO FOR AGRICULTURE

#### A Survey of Agricultural Legislation at the Last Session of the Ontario House. Increased Appropriations in almost all Departments. Aid for the O. A. C. The New Stallion Legislation.

O have again placed themselves on record regarding their attitude ranging from \$1,900 to \$1,500 a yea towards agriculture. They have vote the two is of a most varied charse increased appropriations to carry on the educative, research and demonstrative activities that have been instituted for the Lenefit of our farmers. It is now some time since they ceased It is now some time since they coased their work. Everyone has had ample opportunity to discuss the monies vot-ed, new bills passed and amendments to already existing Acts. We are now in a better position to form ra-tional conclusions as to the advisabi-ity of the increased expenditures than when the Have may in section.

Never before have the agricultural neuropristions reached the million mark in Ontario. In 1911, the total was \$908,659.00, while in 1912, we have \$1,006,731.55, an increase of practically \$100,000. Nor is this increase caused by any radical move, by a great demand upon capital expen-diture, but an analysis of the appro-priations shows a substantial expansion of the work of every department. STALLION LEGISLATION

The Stallion Act is probably the outstanding agricultural legislation of the last session. The use of inferior ires has long been a serious handicap in the improvement of our horses. This Act makes it illegal for any per-This Act makes it illegal for any per-son to stand, travel or offer for use any stallion unless and until the name, description and pedigree of such stallion has been enrolled and a cortificate granted. All stallions must be inspected every two yeans, except those that have reached eight years of age as the time of the first inspection. Considence work he scneered annually Certificates must be renewed annually. A Stallion Enrolment Board will be and formed consisting of five men, formed consisting of nive men, and under their supervision impectors ship of our farmers -- tidler, beir will be employed -- three inspectors tilled farms will result, weeds will as forming a committee. The frees are: be telerated, tumble down fences will for enrolment, 52; for imperiation, disappear, and the general service for an encode the free free free free free free transfer control of the free free free free manual free forces august let, 1912. An encodements to various Ach. have Amendments to various Acts have teen made. The Fruit Pests Act and the Noxious Weeds Act have been amended—\$1,000 has been voted for

the enforcement of the Fruit Pests Special investigations will be conducted with more energy than ever before. Prof. Caesar has been commissioned personally to study the Yel-lows and Little Peach, and under his direction investigations into the work of other pests will continue. The Act for the protection of sheep has been made more perfect.

#### MONEY FOR PUBLICITY

The need for publicity as to the great possibilities of the province has been realized, and each county enterpublicity campaign will receive ing a -third of the monies expended until the total reaches \$1,000. Three thousand dollars has been set aside for this work.

Supplementing the increased Provincial grants comes t subsidy of \$173,733.32. the Dominion 2. No definite arrangements have been made as to arrangements have been made as to the spending of this sum, but it is left to a certain extent at the discre-tion of the Provincial Departments. Mr. C. C. James will devote much Mr. C. C. James will devote much time to the proper apportionment among the provinces of the total sum voted, and also to the detailed ex-penditure. This grant will be dis-tributed to the various departments as is required.

MONEY WELL SPENT

Ontario has Lecome better known because of the energy of our district

NTARIO Provincial Legislators representatives. At present 21 and have again placed themselves on permanently stationed, at salaria Their work is of a most varied character; they give aid and instruction of ter; they give aid and instruction *e* make arrangements for such to be given in every branch of agricultur, \$36,500 has been granted for expense only, an increase of \$8,000. This salaries are met by the Education Department.

May 9, 1912.

The work of the various branches of the department is greatly aided by the district representatives. The Farmers' Institutes are all aided, and together with the Farmers' Clubs and Women's Institutes, have the necessary increases. the necessary increases. The ac-cultural train run by the C. P. a was under the supervision of Mr. P.d nam, in so far as equipment was on cerned. An additional \$1,300 w voted to meet that expense. Agriculture in New Ontario is a important factor. The constraints receival

important factor. The grant a \$11,000, an increase of \$3,000, will permit the carrying out of considerable advanced experimental work and der the supervision of C. A. Galbrain B.S.A., the recently appointed di-trict representative at New Liskeard FOR IMPROVEMENT OF CROPS

Field crop competitions are mm

Division \$10,000 will be expended up on competitions for better seed amon 170 societies. The result of mone 170 societies. spent upon seed work will in the very spent upon seed work will in the ver-near future be realized far beyou our conception to-day. The Pie-men's Association, though prolaby not bringing in any direct financi returns, is doing a work which vil-have its influence upon the workmu-bies of our farmers tidlor. betw De telerated, tuimble down lence to disappear, and the general surrous-ings will be more inviting. To thousand dollars additional has bes appropriated to aid the insuras fund recently formed to protect ap-cultural societies against stormy we then during their exhibitions

ther during their exhibitions. The increase of \$4,000 given to the Fruit Branch, making a total of 554,250, will permit of a great del of aid for the fruit industry. Ord-ard competitions will be held in the countries of Elgin Grey Dufferia ard competitions will be held in the counties of Elgin, Grey, Dufferi, Simcoe, Huron, Ontario, Glengari, Dundas, Northumberland, Durha and Hastings. The Provincial Apia Show will be enlarged, giving amia space for large exhibits. As the degrand for minartific term.

Lately the accommodation has bea inadequate, not only in laboratoria, stalles and fields, but the dormiter and dining-room equipment war wij unsatisfactory; \$75,000 will erest a dining-room and kitohen that will so commodate 500 students. The work upon this juilding is to a command commodate 500 students. The wet upon this building is to be commeased immediately. The old-fashioned dairy stable is at has to be replaced by a modern one in which every corres-ience for college work will be est sidered-\$15,000 should answer all de demands. The need for larger head at the college has long been field, bit to maintain them properly more laid is needed; 100 acres have been pri-chased. chased.

#### EXPENDITURES

Appropri \$ 44,867.00 8 3,017.0 Civil Government Ontario Agricultural College 274,966.00 15,95 (Continued on page 11)

Issued Each We

Vol. XXXI.

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#### **Causes** of Bad

ROM all other, c frozen d stand of gras The causes of times they an is at a loss to lost the whole The trouble the preceding tion, insufficie or the improg been sown. its success up the care in se Too great at paration of t

seed bed, with grass seed sinl inch or there ure, although escape freely day or breez

In addition ing time, can heavy a nurse a plentiful s done, as will then rolling precaution; a conserve the further loss d the nurse cro stand is feel causes, the t help it.

If the stan parts of Onta in a light see or four youn after harvest. in the fall w protecting th holding the meadow and measure at le freezing, duri

In spite of will here and spring. It is after a nice v sunshine have a fair start, advantage. grow, nothing tion is necess desired from two or three the rotation a Before taki



#### HOW TO PROVIDE A FORAGE CROP WHEN MEADOWS FAIL TO CATCH J. H. Grisdale, B.S.A., Director of Experimental Farms, Ottawa, Ont.

#### causes of Bad Catches Discussed. Suggestions Offered as to Mixtures That Can be Seeded to Supplement the Hay Crop of This Year. Late Sown Mixtures the Best

ROM all parts of the country, one year or another, come complaints of meadows being frozen out, or of there being but a poor stand of grass or clover, the winter once over. The causes of this condition are various. Sometimes they are evident, but very frequently one is at a loss to understand why certain fields have last the whole stand of grass or clover.

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> The trouble usually lies in the defective catch the preceding spring, due to imperfect preparation, insufficient seeding, too heavy a nurse croy, or the improper covering of the seed once it has been sown. As a rule the meadow depends for its success upon the condition of the soil and the care in sowing at the time of seeding down. Too great attention cannot be paid to the preparation of the soil at this time; a good firm seed bed, with a fine surface mulch in which the grass seed sinks to a reasonable depth, say half an inch or thereaLouts, and wherefrom the moisture, although apparently near the top, does not escape freely carried off by every bright sunny day or breezy night.

#### ADDITIONAL PRECAUTIONS

In addition to the precautions taken at seeding time, care should be taken not to sow too heavy a nurse crop and after harvest to order up a plentiful supply of rain. If this cannot be done, as will probably be found to be the case, then rolling the stubble is found to be a useful precaution; anything to break the crust and so, conserve the moisture already in the soil from further loss by rapid evaporation on account of the nurse crop having been removed. Where the stand is feeble, due to any of the preceding causes, the treatment outlined will sometimes help it

If the stand is very light, it would, in many parts of Ontario, Le found profitable to scratch in a light seeding of timothy and clover, say three or four younds of each to the acre, immediately after harvest. A light dressing of strawy manure in the fall will help matters very materially by protecting the plants from autumn frosts, by holding the snow on the higher parts of the meadow and by affording protection, in some measure at least, against alternate thawing and freezing, during the late winter and early spring.

In spite of all precautions, however, meadows will here and there be found looking bare in the spring. It is not wise to condemn them until after a nice warm rain and a few days of bright sunshine have come along to give the feeble stand a fair start, and so let it show up to the best advantage. If, in spite of every inducement to grow, nothing worth while comes along, then action is necessary if any satisfactory returns are desired from the field this year and for the next two or three years as well, since any break in the rotation at this juncture is a serious matter. Before taking any action careful consideration

should be given to the requirements of not only this season, but the next, so far as forage crops are concerned. If the field can be treated as best suits the field, and without reference to the forage crop requirements of the farm, then the best plan is to grow some hoed crop on the field and get the soil into good shape for seeding down to grass the succeeding year. If, however, a hay crop of some kind is required off the field



#### Serving the Noon Day Meal to His Favorites

Mr. W. G. Rennie is here shown amongst some of his chickens hatched 'ast year. Note the size of these birds as they were photographed on June 30, 1911. This York Co., Ont., farmer, has as nice a flock of pure-bord Buff Orgingtons as one would care to see. —Photo by an editor of Farm and Dairy

this year, then its treatment will have to depend upon the convenience of the owner as to time of working.

#### EARLY SEEDING CROPS

If it is possible to work the land early, then several alternatives present themselves, by way of crops suitable for hay:

(a) Oats, four bushels an acre, out in the milk stage

(b) Oats, wheat and barley, equal parts, three bushels an acre, cut in early milk stage.

(c) Oats and peas, mixed, equal parts by weight, sown three and a half bushels an acre.

(d) Oats, vetches, two parts oats to one part vetches, sown three bushels an acre.

(e) Oats, peas and vetches, three parts oats to one part each of peas and vetches, sown three bushels an acre.

#### LATE SEEDING CROPS

If, however, early seeding is inconvenient or impossible, then later treatment, which by the way is probably the most likely to give good results, may be given, and the field sown down to Hungarian Grass, say 45 or 50 pounds to the acre. during the last days of June; or to one of the millets at a somewhat lighter seeding, sown about the same time. In seeding to either Hungarian grass or millet, very careful and very thorough preparation of the soil is necessary, and the seed should be sown only when the soil is in a nice

moist condition, very fine on the surface and fairly firm in the Lottom.

Millets and Hungarian grass must be cut when just coming into head to be of much value. In the case of an early seeding with the oats or other grain mixtures, and also in the case of the late seeding, with the Hungarian Grass or Millet. if these later crops can be cut before the middle of August, it will often be found satisfactory to seed down to grass and clover after the hay crops have been harvested. Providing the field is fairly free from weeds, a good plan is to disk harrow lengthwise and across, sow to grass and clover, harrow, ro'l and harrow, then with fairly favorable weather conditions, a satisfactory stand can, very frequently, be counted upon for the next year.

#### CORN SORGHUM, RAPE

As a crop to be handled half-way between the early sown crops as outlined above and the late sown crops, that is miliet, Hungarian grass, etc., soiling crops such as corn sorghum and rape might come in. These are especially to be recommended in case a field is not just as clean as it might be. Their use, however, precludes the possibility of the field being seeded down to grass the same year to provide for a hay crop the next year. It is sometimes recommended that grass and clover should Le sown with the oats and other grain mixtures to be cut for hay. Such seeding is, however, usually a waste of effort and material.

None of the plans outlined above are absolutely satisfactory, but they are the lines of action that have proven least objectionable in our experience here, which, fortunately, is not very extensive. By carfully observing the requirements of succesful grass seeding and the proper handling of the catch or stand after the grain has been removed when necessary, it is only once in a long time that we have had any trouble of this kind.

A Farmer's Opinion .- Perhaps it is Lecause we farmers live in more isolation than our city Lrethren, and hence have more time to think that we are not so easily reached by false economic doctrines as are the working masses of the city. Our comparative freedom from economic delusions is illustrated by the stand that all of our farmers' organizations have taken on the tariff question. We realize that for a nation such as Canada to try to lift itself into prosperity by the protective tariff is similar to a man trying to lift himself over a six-rail fence by his boot straps - and about as likely to be successful. - E. F. Eaton, Colchester Co., N.S.

I have never attempted to winter sheep without roots. Ensilage affords a substitute, and may be used with good results if fed carefully. Without roots, sheep should have access to water and not be compelled to eat snow. The great advantage of roots is the salutary effect they have on the digestive organs. I should suggest in the absence of roots, the use of a small quantity of ground flax as an aid to digestion and thrift .--J. B. Spencer, B.S.A., Ottawa, Ont.

506 (4)

#### High Versus Low Grade Fertilizers John Thomas, York Co., Ont.

Many of the errors that we farmers fall into in the use of commercial fertilisers are due to our poor understanding of just what a good fertiliser should contain. A badly proportioned or low grade fertilizer might not pay. It is regretable that in spite of the fect that all fertilizer is honestly stamped, there is altogether too much low grade fertilizer used in Canada. This is due altogether to our ignorance of the meaning of the analysis which is atsmped on the outside of the bag.

To illustrate : A dealer in eastern Canada is selling a 2-4-5 fertilizer for fruit. Every farmer who knows anything about the chemical composition of the ingredients used in making fertilizers knows that if such fertilizer is made out of high grade material that it will require just one-half its weight of sand to make it. How does he know this? Because high grade fertilizers as they are usually mixed will supply from 18 to 22 per cent of plant food. A 2-4-5 goods has just 11 per cent of plant food. It is not hard to see that if the plant food is cut in two either lower grade material is d or there is an equal quantity of sand add It makes little difference to us farmers which is done. We will get poor results in either case.

#### BUY THE BEST

No farmer should buy a fertilizer containing less than 18 per cent of plant food. Some of the well-known, high grade brands extensively used in the United States are of the 28-310, 20 per cent plant food variety. The high grade truck fertilizers of the Southern States contain 7-7-7, 21 per cent plant food. The most popular potato fertilizer contains 4-7-11, 21 per cent plant food and a fairly high grade mineral mixture a 10-8 goods. 18 per cent plant food.

Compare these with some common grades on the market-m 2 4-5 fertiliser with 11 per cent plant food or a 1-7-1 with nine per cent plant food or a 6-3 with nine per cent plant food. Surady it does not take much education to say which of these goods have filler in them. Perhaps the fertilizer used by one or two Farm and Dairy correspondents contained so little plant food that is would require a microscop: to see the gain which might be exyceted from its use.

#### BE CAUTIOUS IN USING RICH GOODS

The improper use of a high grade fertilizer will sometimes injure the germ of the seed if used in too large quantities or if not mixed thoroughly with the soil. For this reason farmers sometimes prefer goods containing more or less sand as they find that they are after to use. The idea never seems to strick them that it would be cheaper to mix the sand with the fertilizer themselves if thought necessary rather than have it shipped into the fertilizer factory, and then probably several hundred miles to where it is to be used, without asying anything about the extra teaming.

I remember one experiment that a farmer conducted for me when I was conducting cooperative fertilizer experiments that illustrates the point. Although I told him to be careful as he was using high grade chemicals he would not pay any attention to me, with the result that he burnt up all his tomatoes, and less than one-half of his potatoes came through the ground. At another time I was selling fertilizers in Indiana and did not have as good a brand of fertilizer listed as my competitor. Two neighbors were going to use the fertilizers as a test which would give the best result, and I had very little hope of winning. One never can tell, however, but that Providence in the shape of a hailstorm or something else may help one out, so I went into the test and decided to make the best of it.

In order to decide the matter definitely, both men used a heavy application. My competitors'

#### FARM AND DAIRY

goods being stronger burnt the germ of the corn so badly that only a fair crop was produced, while my forthizer not being so strong, did not injure the seed at all. As there was a liberal application my mas had a record crop. The result that though the other fertilizer was worth from four to six dollars more than mine, the next year hardly a ton of it could be sold, while carloads of my fortilizer are sold. A large quantity of high grade fortilizer, unless it is thoroughly mixed with the soil, may injure the crop by lurning the germ of the seed or injuring the tende: roots

In one of his experiments a Farm and Dairy correspondent states that he used a dressing of stable manure, but does not state how much nor what analysis of fortiliner was used. Practical men find that when using a highly nitrogenous fertilizer like farm manure, that it is a good policy to cut out the expansive nitrogen in the fortilizer and to apply only the mineral ingredients that are much cheaper, such as a mixture of acid ph.sphate and potash.

#### Notes on Planting the Corn Crop

Jno. Fixter, with Commission of Conservation, Ottawa

Best results are obtained when corn is planted in hills, the distance apart to be guaged by the amount of work put on the crop and the quality



The ear of corn here illustrated is as nearly a perfect ear as has ever been shown at a seed fair. This ear is a world beater. It shows the type one should work for.

of the soil. The hills may be from 36 to 42 inches apart each way, and from four to five grains to the hill.

In the eastern part of Ontario the majority of farmers are with the ordinary grain seed drill. The distance of the rows apart can be regulated by blocking the feed-runs to suit. Care must be taken to have the rows at equal distances for convenience in cultivating. Don't fail to sow plenty of seed and to thin it out when the plants are about eight to 12 inches high, leaving a good s'-ong plant, every eight to 12 inches in the row.

#### VARIETIES TO SOW

Each farmer will have to be governed according to soil and climate in choosing the variety to sow. With corn, as with other grains, the farmer should experiment. In Western and Southern than can be in the Eastern and Northern parts of the Province. It is useless to grow a variety for silage that will not come to the glaning state by the 20th to the 30th of September.

The fint varieties are earlier than the denta. For Northern Ontario, where eorn is grown for the grain erop and the stalks for feeding, I would auggest Quebec Yellow; when grown for ensiage I would asy Longfellow or Compton's Early. All these are flint sorts. In Eastern Ontario the above named varieties with the exception of Compton's Early, will give excellent results when grown for grain. When eorn is grown for ensiage Leaming will come to the glazing state in most seasons. Later varieties, such as Mastoden and Red Cob, have been tried, but cannot be depended on for making the best quality of silage.

#### **Our Special Articles**

The 19th of our special series of articles will appear in Farm and Dairy next week.

#### May 9, 1912.

#### Inter-Provincial Prize Farms Competition

Arrangements for the provincial prize day farms competition that will be held this summe among the leading prize winning farmers a last year's contest in Ontario, and also for the interprovincial prize dairy farms competition that will be held this year between Ontario and ()pbec, were completed last week at a meeting of the prize farms committee present were Mesin G. A. Gillespie, of Peterboro, Simpson Rms and W. G. Ellis, of Toronto, and H. B. Cown of Farm and Dairy.

For the provincial competition in Ontario the year, it was decided to allow the first three prac winners in each of the three districts of Ontar in which a contest was held last year, to tak part. These include Messrs. W. F. Bell and T G. Graham, of Brittannia Bay, and J. E. Calder of City View, all in Carleton Co., represents District No. 2, R. E. Gunn, of Beaverton, at S. A. Northcott, of Taunton, Ontario Co., a Chris. Howson, of Keene, Peterboro Co., repr senting District No. 3; and W. A. Patterson, Agincourt, and J. C. Bales of Lansing, York Co and Isaac Holland of Brownsville, Oxford Co., compete. Messrs. J. W. Richardson, of Ca donia, Haldimand Co., E. Terrill, of Woole Northumberland Co., and O. D. Bales, of La sing, and D. Duncan, of the Don, York Co., \* also be allowed to compete. These last for farmers won the second, third, fourth, and fif prizes in the provincial contest held in 1910. The committee decided that they should be given a other opportunity to compete for the province championship should they so desire. Should a compete there will be thirteen competitors, and five prizes will be offered. Should less than eich enter, three prizes will be awarded.

INTERPROVINCIAL HONORS

It was realized that great interest will be take in the inter-provincial contest this year between Ontario and Quebec. For this reason it was de cided to make the contest as open as possible From Quebec the competitors who will be allow ed to compete are the first three prize winne in the contest held by Farm and Dairy in the province of Quebec last year, Messrs. R. R. Nes of Howick; Alex. Younnie, of Tullochgorum, and I. W. Logan, of Howick Station. In addition there will be allowed to compete any farmer in the province of Quebec, who has won a gold med in the prize farms competitions held by the Qu bec Provincial Government; providing only the they comply with the rules of the competiti held last year by Farm and Dairy, which stip lated that they must be dairy farmers, that the must be milking a certain number of dairy com and that they must be practical farmers. B opening the competition in this way, it was for that the province of Quebec would be enabled " enter its very best farms.

From Ontario those who will be allowed to ompete will be all who take part in this year's povincial contest, and also Mr. R. A. Penhäl, di St. Thomas, who won the provincial dairy fars competition in 1910. Both provinces have seen magnificent farms and the competition in theiser provincial contest promises to be very keen. Twjudges will be appointed, one for Ontario as one for Quebec. They will judge the farms dubeing unable to reach a decision between and certain farms, they will be permitted to call ia third judge. The rules of the contest will be the same as governed last year's competition.

Rank growth of alsike in the spring may be checked and the seed erop prospects enhance by pasturing or elipping the elovers net low than the 5th of June.-T. G. Raynor, See Branch, Ottawa.

#### May 9,

#### Salesman

One Satu ford. Of or from the U to me, and interested a duce, I cared the selli And when i I thought clusion that them—were money. Here they were not g

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#### Salesmanship that Brings more Sales By Edward Dreier

One Saturday, some time ago, I was at Brantford. Of course I went to the market. Being from the United States, it was something new to me, and certainly was most enjoyable. Being interested always in the marketing of farm produce, I carefully inspected every stall and watched the selling methods of a great many people. And when it was all over and I was on the train I thought the thing over. I came to the conclusion that the farmers of Canada - many of them-were missing a great opportunity to make

Here they were in touch with the consumer and were not giving as good service, in many cases, as was the middleman. For instance I came to a stall where a lady was selling eggs and vegetables. I looked at the eggs and they were all sizes, shapes and colors. Many of them were dirty. Much of her garden truck was in the same condition. I then inspected other stalls and found them much the same on their particular line of goods.

About three-quarters of the way around the

#### FARM AND DAIRY

had, so that I might talk with her. I found out that she studied the magazines and read papers. I asked her what part of the magazines she read first and she said, "I always read the advertisements first, for I get new ideas of things that are going on. Then I read the women section and after that the stories." Then I asked her if she got her ideas from the advertising pages and she said that some of them she worked out herself, "because I figured that if these big companies could get inquiries through the magazines and sell their goods, we might be able to sell to a regular line of customers if we brought our name before people and gave them good service."

#### A WOMANLY WOMAN

And I talked with that girl for over an houran hour that was filled with a big education for both of us. She was frank and a womanly woman. She told me of her home and how much she got out of it. She also told me what she wanted to do. She didn't want to go to the city to work-strange, isn't it? She didn't care to wear silks and satins and ride in fine carriages and be up in society. She wanted to learn how to do things worth while. She wanted to get out

#### Preparation of a Good Seed Bed is Easy When One Has the Right Implements

The dick harrow and go to many implementation of the second secon

square I came to a stall that was different from the rest. It was presided over by a neat, brighteyed farmer girl. On the table in front of her were vegetables neatly cleaned of all soil. Cabbages were cleaned of all green leaves and neatly piled in a basket. In front of the basket were paper sacks to put the cabbages in as they were sold. Other vegetables were fixed in neat Lunches and arranged neatly on the table. Though I had absolutely no use for them, being about 400 miles from home, I almost bought some eggs. This little lady had her eggs separated as to size and color. On a card in front of each basket was a card saying when the eggs were laid. Then there were some pasteboard boxes to hold one, two or three dozen eggs. These boxes had her father's name written on the cover and also the address.

She had some apples too-and I bought some They were carefully wiped and arranged according to size. The big ones brought a slightly higher price than the small ones and they were worth more.

This gir! had all her produce sold and was ready to go home before the others were half through with the day's business. Before she left I went back and Lought the few remaining apples she

-and have her people get out of the rut that the usual farmer all over the world falls intc. She wanted to be able to produce for a line of good customers a line of farm produce better than the average and delivered in packages which would attract attention. I was so interested in her plans that I forgot to ask her name. should like to know how she makes out. I believe that she will carry out her dreams and as she succeeds I am sure that others at that Brantford market will take heed and do likewise.

AHEAD OF THE MIDDLEMAN This girl was giving better service than the middlemen. She tried in every way to please. She not only sorted her eggs, but she told the purchaser just when they were laid. She did not charge her customers for parts of the cabbage they couldn't eat. She weighed the part that was valuable. She gave the customer his value when she sold him some apples. Her onions were sorted and sized in neat bunches, her lettuce was clean and crisp. It was so good that she got rid of it in short order. Then her method of selling showed careful study. She sold the things which would wilt early in the morning before the sun had a chance to get to her.

She was amiable and those who came to buy one thing usually carried away more than they went after. When there were many packages to go she provided the customer with market baskets and asked them if they would kindly return them the next Saturday. Her gentle courtesy brought back every one. She told me that in the entire year she had lost but two baskets, and one man stopped one day and handed her a quarter because his little boy had broken the one he had taken home. As the cost of the basket was very slight she found out this man's address and sent a basket of supplies to the house. man to-day is one of her best customers.

What a wonderful thing Canada's markets would be to-day if every farmer would try to give such service as this one girl. It is a great object-lesson to the thousands who are dealing direct with the consumer. I know that every consumer-or at least 98 per cent of them-would be willing to pay a little extra if they knew that what they were getting could be used without any waste. They would be foolish not to pay the cent or so higher, for 'they would lose more

than that if the materials were the same as they would ordinarily get-dirty, oddsized eggs, cabbages with the green leaves on, etc.

So the next time you go to market sup pose you have your eggs sorted as this girl had - suppose you fix your stall neater than the rest and then give to your customers real service, so that the following week they will single you out from the rest of the market and buy your produce. Try it and advertise the fact.

#### Why Not More Potatoes? A. C. Schun, Waterloo Co., Ont.

Potatoes are \$1.50 a bag. Two hundred bushels would therefore yield an income of \$200. From my experience I estimate that it does not cost more than \$35 to grow an acre of potatoes. Excepting the cost of harvesting those 200 bushels of potatoes, there is left to us a profit of \$165. This looks good to me and I believe it would to most farmers. And still we are importing potatoes. Irish potatoes now control the market, and Ontario potatoes can scarcely be had at any price.

It may be objected that prices for potatoes are abnormal this year, and that profits such as 1 mention are impossible in 19 years out of 20. Well, let us suppose that potatoes were down to one dollar a bag, and we would still have a profit of almost \$100 an acre. At 50 cents we can calculate on a profit of over \$30, and that is a whole lot better than most farm crops.

I am not talking theory. I have grown lots of potatoes, and found them the most profitable crop on the farm. I am not advising Ontario farmers to over-do the potato proposition, but I believe that all of us would find it profitable to put in from three to five acres of potatoes each year and give them the best kind of attention.

In some experiments made at Cornell University, to test the comparative yield from the stem and seed end of potatoes, it was found that, as an average of 22 varieties for two years, the seed end gave a yield of 180 bushels per acre, while the corresponding yield from the stem end was 151 bushels per acre. It would seem from this, that it would be good farming to feed the stem ends to the hogs, and plant only the seed ends.



507

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#### FARM AND DAIRY

Will P

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sary

For thirty-five cents you can make your will and be absolutely assured that it is perfectly legal in every respect and that it cannot be broken by anyone, no mat-ter how hard he may try.

ter now have an empy sry. Delay im making your whi is an injus-tice to those whom you wish to be taken where, by legal technicality or the ab-sence of a will, the geometry of the second of a will, the geometry of the unit of the second second second second the deceased would want to share in it.

Life is very uncertain. So if you wish to assure those who are nearwast and dearces to you of receiving al that vag wish than to the prevention of the second second second second second dearces. The second second second second also includes a specimen will for your guidance. Fill it out according to simple instructions and you may be perfectly are that it will skand every legal test achances.

Life is very uncertain.

#### FARM MANAGEMENT worth, at the high rate of 40 cents houshed, \$12.50. Between this and he production, shown to be within actual reach, of 132.3 bushels as Have You Made Your

#### Information on a Silo

Information on a Sub In Farm and Dairy, March 25, I notice an illustration of a silo belonging to Mr. A. A. MacDonald, Glengaryr Co., Ont. Could you give me fuller information re this silo? How is the doorsay Jonned? How is the reinforcing arranged?—A. P., Victoria Co., Ont. The doors of my silo are open from too to within face that the states.

The doors of my sho are been from top to within five feet of the bottom. The doors are of matched lumber, made in sections 24 inches high, and can be taken out one after the other. All hoops cross the door and continue all around the silo. They are laid in a groove that is put in the top of each a groove that is put in all and the block for the purpose. This groove is filled with cement mortar, and the next tier of blocks are laid on top. next tier of blocks are laid on top. Any one wishing a better explanation on this might send for the London Concrete Machinery Catalogue. It will explain fully all about this me-had thod of reinforcing, and can be had for the asking.-A. A. McDonald, Glengarry Co., Ont.

#### Importance of Even Planting

C. R. Barns, Minnesota The importance of planting the seeds of grain crops at an even depth, and with an even distribution, is illustrated by a contributor to the Farm-ers' Review, who says:

"I have examined many oat fields just as the plants were fairly up, and I have found some astonishing results. take found some asconsming results. I take a square foot and count the shoots before they stool, and 'ave 'ound from none to more than a hundred shoots per square foot, and found them planted from nothing to four inches deep. Those not covered did not grow. Those covered four inches deep came up late and weak and were smothered out. Those too thick did not stool out, and grew very small heads, and the bare places produced nothing. Now I have been figuring what we might raise if we could get what we might raise if we could got them perfectly even and all the right depth. If we could plant one grain on each two-inch square it would make 36 grains a square foot. And if each threw out two shoots (which is very moderate, for I have see any making them in the sec six), making three heads to each square, and each head contained 60 grains (I have counted 225 a head), it would make 460 bushels an acre, and would only take 21-2 to 28-4 bushels of seed an acre, which is less than is usually sown."

#### THE FIGURES ARE OFF

But not only is it impracticable to secure, by any means now available, such a perfectly even distribution of such a perfectly even distribution of seed, so closely planted, and at such a uniform depth as is necessary to the achievement of results like those pointed to by the above "mathemati-cian's dream," but actual experiment shows that such close planting would probably defeat the object sought, since the largest actual yields, so far, have been obtained by a much more liberal allowance of space to the indi-vidual plante. vidual plants.

Actual experiments at the Minnesota University Farm, under the su-pervision of Profs. Andrew Boss and C. P. Bull, show that with such a careful preparation of the seed-bed as is given a garden, and with a uni-form depth of planting secured by running the wheels of the drill on planks, a yield of 132.3 bushels of cats an acre is made practicable. Con-trast this with the average Minnesota the lure which invites, both to a more perfect preparation of the land and to the further improvement of the drill, is certainly a powerful one. Thirty-two bushels to the acre are

#### May 9, 1912.

May 9,

#### All It is a mit Two trips

is the best k grain can de Seed corr year above low in vital Farming miss busines How many some definit



Potato ma toes at a gre age of potato crop lands in shows a plan

time moistu mer, good i But we don serve the n in the grou There sh

preparing crops. If portance of will have fin long ago, I for seed not Rec

As a gui Canada as various farm Bulletin Ne perimental for distribu selected list each provin ing based o ence of pas varieties of Manchurian are especial letin of 74 varieties of those of foo well. Copie plying to Department Ont.

According issued by th partment o there is a t less Wild C fused with recogniz worst of w prepared b describes fi two plants charts and distinguishi paratively uish the





You know the trouble it is to keep the ordinary kitchen wall and ceilings clean. They get discolored with smoke, dirt and grease stains so quickly, and damp with steam. This makes the average kitchen very unsanitary and a regular breeding place for vermin.

You can always have a nice bright clean kitchen or room if you cover the walls and ceilings with METALLIC. The

cost is very low and when once on is good for a life time. Vermin-proof, fire-proof, and easily kept clean by simply wiping with a damp cloth. Just imagine the comfort this means to you.





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FIT IS EASY TO BUY the wonderful Olion "Goes Like Sirty" Gasoline Hugine on the above plan. Powerful, simple, durable, dependable, cheagest running, casiest to opticate of any maintencorr, had subject to our whipping directions, and we will return every cent of your first payment. Can any thing be hirer? Made in Canada-no duty, The Olion has 30,000 astisfied users, proving that it is not an eperiment but a trict what work and the subject of the out of the subject of the out of the subject of the out of the subject of the out of the subject of the out of the power, all sizes. Bend for free catalogue. Hig money for Agents-write for our proposition.

One Plan of Alfalfa Culture Jno. Beemer, Brant Co., Ont To successfully grow alfalfa, I have found it necessary to have my land good and clean, free of spear or couch grass. I try to follow after

den beds.

couch grass. I try to bolion after either corn or potatoes. I sew with a nurse crop, either Black Joanett, oats, hree pecks an acre, or O. A. C. barley, No. 21, about one bushel to the acre. I have never failed in get-ting a good stand. I sew about 30 pounds of home-grown seed to the area as plume as it can be one how one to acre, as plump as it can be gotten, and free from weed seeds.

acre, worth \$52.92, the margin is an enticing one. To secure even a frac-tion of it, it would seem that it would ("pay" to bestow on the oatfield even the extreme pains which curofal

the extreme pains which careful truck-growers bestow upon their gar-

I always sow after the grain drill with a Giant Grass Seeder and then harrow well. Some sow ahead of the drill, but I prefer to sow anead of the drill, but I prefer to sow after. The seed should be covered about one inch deep in a well prepared seed-bed, and if land has not grown alfalfa before I always treat the seed with an in-oculating mixture. Where alfalfa has been grown successfully before, the seed does not need to be treated. ALFALFA FOR HILLSIDES

I have had excellent success in growing alfalfa for the last 10 years on hillsides. I have never left it longer than four or five years at one time as some hills on my farms face north and south. The snow blows north and south. The snow blows off, giving the spear grass a chance to grow. I have found of late years that after the grass is frozen in the fall, so that one can go on clover without injuring it, a light coat of manure will prevent clover from heaving in the spring. I had one hill of three acres in al-

falfa that never had any manure on it for 10 years, except on the north side. That hill has been sown with alfalfa That hill has been sown with aliala for five years. Then I broke it up, and had a very heavy crop of peas, after which I sowed oats. The cats were so heavy they fell down, but I thrashed 50 bushels to the acre. I re-seeded again along with the oats. which was not a wise thing to do, but genis a faith, eard statud of alfaft. again a fairly good stand of alfalfa.

A man can make good wages on the average farm just going around and plugging up leaks.



on this book absolutely free without ation on your part-just for answes we questions: Do you intend to be todel? How soon ? How many cows? Vill you want a litter earrier ? Will you yof fork outfit ? Send to-day. answering d to build BEATTY BROS. BOX ( FERGUS, ONTARIO May 9, 1912.

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FARM AND DAIRY

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#### All about the Farm

It is a mistake to bury small seed. Two trips through the fanning mill is the best kind of travelling that seed

as the false variety shows the same manner of growth as the cultivated oat, while the true Wild Oat «xhibits a different habit. Readers interested in distinguishing Wild Oats (rom false

is the best kind of traveling that seed grain can do. Seed corn should be tested this pear above all years. Much of it is for in vitality. Farming is the greatest hit and miss business on the face of the earth low many of us are working co-some definite systematic plan? If we knew that it would rain every



#### How Little Boys Backs are Saved Newadays

Potato machinery, such as we have it to-day, makes it possible to grow pota-tess at a greater profit, and in a more extensive way. Owing to the small acr-ged potatese usually grown on the average farm, machinery for handling this erop lends itself admirably to the cooperative plan of purchase. The Illustration shows a planter at work on the farm of Mirs. Swinble, Lambton, Co., Out.

mer, good farming would be a cinch. But we don't. It is up to us to con-serve the moisture that is now held in the ground.

in the ground. There should be real pleasure in preparing the seed for the coming crops. If one appreciates the im-portance of grading the seed they will have finished up this line of work long ago, but it is not yet too late for seed not sown—corn, for instance.

#### **Recent Publications**

As a guide to the crop growers of Canada as to which varieties of the various farm crops are most valuable, Bulletin No. 71 of the Central Ex-perimental Farm has been prepared for distribution. This Bulletin gives selected hists of the best varieties for selected hists of the best varieties for ing based on the accumulated experi-ers of nast varia. Among the newer ing based on the accumulated experi-ence of past years, Among the newer varieties of merit, Marquis wheat, Manchurian barley, and Arthur pea are especially mentioned. This Bul-letin of 74 pages deals not only with varieties of grain crops, but with those of fodder crops and potatoes as well. Copies may be procured by ap-plying to the Publications Branch, Department of Agriculture, Ottawa, On. Ont.

Ont. According to a Bulletin recently issued by the Seed Branch of the De-partment of Agriculture at Ottawa, there is a type of more or less harm-less Wild Oat that is frequently con-fused with the true Wild Oat, which is recognized as being one of the worst of weeds. This publication, prepared by Mr. Norman Criddle, describes field experiments with these two plants and explains by means of charts and descriptive matter their distinguishing characteristics. Acdistinguishing characteristics. Ac-dording to this authority, it is a com-paratively simple matter to distin-guish the two sorts in the growing,

time moisture was needed next sum- | only to vegetable growers but to farmers generally. A copy may be had on application to the Department of Agriculture at Toronto.



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#### FARM AND DAIRY

HORTICULTURE Apples Profitable in N.B. A. B. Bennett, Sunbury Co., N.B.

We are finding down here in New Brunswick that apples are one of the most profitable crops that we can grow on our farms. The re-awakened interest in horticulture is due largely to the work of our provincial horticulturist, Mr. A. G. Turney. His demonstration orchards are opening the eyes of our farmers to the possibilities of our farmers to the possibilities of our province in horticultural lines.

turna intes. Exceptionally good results were obtained from the demonstration orchard in this county. This orchard, conin this county. This orchard, and the second state of the second state and Buchess, wants, trees of Wealthy and Buchess, wants, trees of Wealthy in the neglected class. The vocal expenditures on the orchard amounted to \$191-35, and the revenue to \$237.50. This means a net profit from one and two-thirds acres of \$3

\$237.50. This means a net profit from one and two-thirds acres of  $\Re$ . or \$55.89 an acre, which represents 14 per cent. on a valuation of \$400. In York Go., N. B., the owner put a valuation on his orchard of \$150 an acre, and the Department by up-to-date methods returned him on this valuation profits of 50 per cent. Similar tion orchards all owed in demonstration orchards all owed in the monstration orchards all owed in a \$500 valuation. Is it "ny worder that we are taking more interest in horticulture?"

#### Points on Potato Fertilizing\*

Green clover land is the best that can be used for potato planting, but, of course, clover land is suitable only to the planting of late potatoes, unless plowed in the fall, turning under the second growth, for spring planting.

The addition of barnyard manure or commercial fertilizer will enrich any soil. Even a clover field will be benefitted by an application of Larn-yard manure, applied in the proportion of eight or 10 loads to the acre.

Closely cropped land or land that has been intensely farmed will require a more liberal dressing of manure as well as commercial fertilizers.

Well as commercial fertilizers. Where manure is the only fortilizer used, it should be applied in large quantities, 15 or 20 loads to the aere. Commercial fertilizers are highly recommended for potato growing. In

Commercial fertilizers are highly recommended for potato growing. In the Eastern States, where they have been used quite extensively, they have proven very heneficial.

proven very beneficial. Potash fertilizara are generally beneficial for potatees. But it is most important to remember to buy only the sulphate form, which should be spread before plowing, not drilled in afterwards.

One of the chief advantages of commercial fertilizers is that they can be prepared according to the requirements of land and crop.

Experience has proven that a commercial fertilizer prepared according to the requirements of the land on which it is to be used will give better results than a fertilizer bought ready prepared.

ter results than a fertilizer Lought ready prepared. For applying manure the use of a spreader is strongly advised. In the first place a spreader is a big saver of time and labor. Then, too, it relieves the drudgery of this disagreeable part of farm work. And it spreads the manure in a layer of uniform depth.

It cannot be too strongly impressed

"These notes are from "Money in Potatoes," an attractive little booklet issued by the Canadian Potato Machinery Co., Gait, Ont. This company will send a copy of this booklet to all our readers who apply for it. Bull our readers who apply for it. Bull our readers Dary in their application.

#### May 9, 1912.

that manure must always be plowed under. Manure merely spread in top of the land is wasted. And the same applies to commercial fertilizers. The best results are secured by the use of both manure and commercial fertilizer.

#### Asparagus the First Season

The very best asparagus plants are strong one-year-olds. About the only advantage in using older plants is to wait unt hey bloom so as to distiguish the values from the females and selectories which are the strongest and best producers.

After being thoroughly worked up the ground should be laid off in furrows six to eight inches deep and from

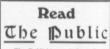


#### Handy Potato Cutting Device

The device here illustrated always brings the seed potatoes of the hand of the operator. The is attached solidly to the frame, the operator the use of both hands utting the seed

four to six feet apart. The best time for planting is early in the spring. The plants are set about two feet apart in the furrows and where they are placed in the ground is often moulded slightly. The roots are spread out carefully and the earth is filled in two or three inches over the plants or "crowns." As growth proceeds the ground is cultivated in unil the furrows are finally filled. Therough cultivation should be continued during the entire season and in late fall the tops should be cut off and removed from the field and be burned to destroy disease germs and insects.

No one has yes been held down who is bound to succeed.



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# Some

E. C. Oa We hav front pou we find ve ing diagt showing d ed. They other Far may be t try house Figure



the constr ping board cated at t first the buraised up the house not used, b our cold a ture somet below zero, essary in a is.Of cours



nights the able in their curtain. Th roof, the eve feet from th As will be the perchess grooves mad whele thing wall. This get in arour when cleanin

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Mrs. J. P. W

How are th in I going counties ested in the tive trials of Farm and Da to gather eg them to the them for supp body can do that the pric that is being should have ing our egg more of the if it does requ gent cooperat Cooperation of the age.

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curtain is not dropped but on cold nights the birds are quite comfort-able in their roosts protected by the curtain. The house has an A shaped roof, the eves at the front being three in from the scenario

Fig. 2.

not, the eves at the front being three let from the ground. As will be noted by figure No. 2 the perches can be lifted out of the grooves made for them and the whole thing swung back against the whole thing swung back against the wall. This gives an opportunity to get in around the nest boxes easily when cleaning them.

#### **Cooperation Looks Easy**

Mrs. J. P. Whiteside, York Co., Ont. Mrs. J. P. Whiteside, York Co., Ont. How are the cooperative egg circles going in Peterboro and Ontorio counties. We are very much inter-stel in the success of these coopera-tive trials of which we have read in Fam and Dairy. It is a simple thing is gather eggs from the nests, take them for supplies for the family. Any-bady can do that, and we all know that the price we get is the lowest body can do that, and we all know that the price we get is the lowest that is being paid. We in Canada should have some system of market-ing our eggs which will bring us more of the consumer's dollar, even if it does require a little more intelli-gent cooperation between neighbors. Cooperation seems to be the spirit the age. I have been reading with of the age. interest in farm papers and city maga-

#### FARM AND DAIRY

The point of the construction of the second of the second

#### **Poultry Pointers**

When buying stock eggs, for hatch-ing, or anything connected with the poultry business, it always pays to get the best.

the best. The early hatched chicken is the most profitable whether it is sold for the table or kept for laying next win-

During warm weather there are These bad eggs may be dirty, broken, incubated, shrunken or held, rotion, or moldy and bad flavored. These bad eggs are largely the result of condi-

tions that could be improved by careful management.

ful management. Ducks and geese should have plenty of boding. Leaves and clean straw make good material for the purpose. Some of the causes of dirk eggs are insanitary conditions about the poul-try house, lack of litter in the house; an insufficient number of nests; small nests; poor nesting material; allow-ing hens to roest on nests; and not cathering ergs often enough. gathering eggs often enough



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CHOICE SINCLE COMB BROWN LECHORN ECCS Famous Booker and Gurney Strains, \$1.50

per 15. David A. Ashworth, Maple Grove, Ontario.

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Edges For HATCHING Pure-bred White Wyandottes, Guilds Strain, and the strain and the strain of the strain and the strain of the strain and the strain strain

This is not a mere claim. It is the actual experi-人間口 ence of all owners of Sharples Mechanical Milkers. We don't ask you to take our word, nor their word, for this. We stand ready to prove it on your own cows or no sale. Mr. Henry Fielden, Supt. Branford Farms, Groton, Conn., where some of the highest priced

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THE SHARPLES SEPARATOR CO. WEST CHESTER, PA. Chicago, Ill.; San Francisco, Cal.; Portland, Orest Dallas, Tox.; Toronto, Can.; Winnipog, Can.



Fig. 1.

the construction of the roosts, drop-jung board and nests, which are lo-cated at the back of the house. At first the burge curain, we house. At raised up and hooked to the can be raised up and hooked to the can be not used, but we have found that with our cold nights here, the tempera-ure downeys to me protection was nec-essary in an open house such as ours of our end nights, the the construction of the roosts, dropis. Of course during warm nights, the

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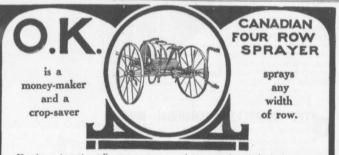
\$30

Ontario

BRIGHTON.

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You know how the ordinary sprayer works-"it doesn't work at all". It's always getting clogged or the pump stops and you have to go over the rows again,

Now, with the "O. K. CANADIAN", you waste no time and skip no plants. The Pump is reliable. It works right alongand the Relief Valve regulates the pressure as you want it.

The Agitator (for keeping spray thoroughly mixed) is run by a crank attached to the shaft and is a positive mixer. Arsenate of Lead and other heavy substances won't settle in the barrel while this sprayer is in motion.

Then, there's the convenience of the "O. K." SPRAYER. The nozzles are fastened to the discharge pipes and may be arranged to any width of row-and also turned backwards, forwards or sideways. You sit in an easy position to reach the shutoff valve, which shuts off the pressure and retains it in the pump until ready to start the next row.

The whole sprayer is built for service and will give years of satisfaction.

Write for name of dealer in your neighborhood who carries the "O. K. CANADIAN" line of Potato Machinery.

Have you read our book "Money In Potatoes"? It tells you how to make your own Sprays-how to use them-and how to plant, spray and dig potatoes. Write for a free copy-and Catalogue P.

CANADIAN POTATO MACHINERY Co. LIMITED,

GALT, Ont.

8

May 9, 1912.

"The owner, if he operatemachines himself, will become a bet-ter dairyman, will care for and feed his herd better, will improve it by weeding out the unprofitable ones and breeding up from the good ones, because, if he is to succeed with the machines, he must give his attention and make a close study of each ani-mal, and will therefore learn which are unprofitable and why."

#### Width of Potato Drills

E. F. Eaton, Colchester Co., N.S. In reading Ontario farm publica-tions I have been astounded to see writers claiming to be successful potato growers advising that the drills be at least three feet apart. Why is it necessary to waste so much space on a row of potatoes?

on a row of potatoes? On looking up the chemical analy-sis of potatoes I find that a crop of 200 bushels would remove from the soil 38.4 pounds of nitrogen, 13.44 pounds of potash. A corn crop on the other hand, which I understand you plant three or three and a bail the theory and among an other and you plant three or three and a bail feet apart, would remove from the soil 123 pounds of nitrogen, 45 pounds of phosphoric acid, and 99 pounds of potash with a crop of 15 tons an acre.

The potato crop removes from the soil only about one-third as much been food as does the corn. Theresoil only about one-third as much plant food as does the corn. There-fore, a row of potatoes does not re-quire as great an area to draw on for plant food as does a row of corn. Down here in Nova Scotia we think we have potato drills for enough anan if there is a clear space of two feet and the size of the crops that we get would indicate that our method is the right one.

#### Alfalfa as a Weeder

W. O. Morse, Halton Co., Ont. Alfalfa is a most effective and conomic weeder. One of my fields was thoroughly well-seeded with ox-eve wes thoroughly well-aseded with ox-re-dvisy. I have cleaned this out by means of the alfalfa. The first crop of alfalf is always cut before the dvisy seed matures. Never having an opportunity to seed the daisy soon be-comes extinct. This applies to all other weeds as well. I do not know of a single species of weed that ma-tures its seeds before we cut our alf-lip the first time. This densels each because to the

This doesn't apply, however, to the alfalfa the first year. We should put the alfalfa in possession the first year by thoroughly cultivating the land up to July at least. Once let alfalfa get a good start and it will look after the weeds in future years weeds in future years.

#### Items of Interest

Items of Interest Mr. J. R. Terry, formerly assistan-poultryman at the O.A.C., Gu-lph. Ontario, and since January Ist. 1911. Provincial Poultry Instructor for British Columbia, has been appointed Chief Poultry Instructor for that Province. The vacancy caused by Mr. Terry's promotion has been insat by Mr. J. End Yaow, has been not by Mr. H. E. Upton, who for the past two and a half years has been poul-try instructor under Prof. W. A. Brown, at the University of Maine, Orono, Me. Mr. Uptom is an ex-student of the O.A.C., Guelph, On-tario, Canada.

tario, Canada. A warning.--Dr. C. Gordon Hewiti desires to warn readers of Farm and Dairy bhat tent cateroillars will pro-hably be very numerous in Canada this year. All who do not wish to see their trees defoliated should make see their trees defoliated should make see their trees defonated should make an effort to destroy the webs in which the caterpillars live by means of burning or cutting away the branches. The Lest time for destroying the webs is early in the morning or late in the afternoon.

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The As minion of which the chief operation demonstra ada. Mr. resigned l at Macdo of this b work, call office rece We wa district to

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Th Trees pla worth money H. R. Nixon, black locust

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who go to year to see there. They cattle, and



Investigate the advan Write for or ONTARIO AND PUI Winnipeg

FARM AND DAIRY

Milking Machine a Success

Ministing Watchine a Success If "the proof of the pudding is in the eating," the milking machine stands approved as an indispensable part of the equipment of the modern dairy. The following are a few con-clusions reached by J. B. Carnery, of diversitions Indiana "fire astronomy of clusions reached by J. B. Carnery, or Morristown, Indiana, after using two machines for a year on 40 to 45 cows, as reported in the "Indiana Farmer": "Labor of milking was reduced

"Labor of miking was reduced about one-third. "Time of milking was reduced about one-half. "A more sanitary milk produced, contained no dirt, bad tastes, or

"All of the drudgery of hand milk-

"The labor problem solved, as it is much easier to get help if you use

the machines.

the machines. "A larger number of cows can be kept with the same amount of labor. "Do not have to sell some of your best cows because of short teats hard

to milk or mean to kick. "By comparing records the cows do equally as well as by hand milking. 'Can see no effects physically up-

necessary to commence milking as early in the morning or evening and still get through as early or earlier

"In a pinch one man can milk 50 or 60 cows by himself; therefore not so dependent upon the hired man.

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A Talk on Demonstration Farms

9, 1912.

A Taik on Demonstration Farms. The Agricultural Branch of the Do-minion Commission of Conservation, if which Dr. Jas. W. Rohervation, the chief, are rapidly puttitismic tra-operation their plan for a serin of demonstration farms throughout Can-ada. Mr. John Fixter, who recently resized his position as farm foreman at Macdonald College to take charge of this branch of the Commission's work, called in at Farm and Dairy's efficiencembry and gave the editors an outline of their plans.

management. The average man will look at them all and say, 'Oh, yes, all very fine, but we haven't got the means.' We on the Conservation Commission contend that each farmer of which Dr. Jas. W. Robertson is commission contend that each farmer operation their plan for a series of the sector of the chief, are rapidly putting into operation their plan for a series of the sector of the

FARM AND DAIRY

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FREE BOOKLET



The Stand of Trees in the Old Wood Lot may be thickened

Trees planted in the wood lot this spring will in a few years develop into trees sorth money to yon. In the illustration appears a replanted area in the wood lot of R. Nixon, Brant Oo. Ont. Mr. Nixon is seen standing baside a fouryear-old black locust tree. The smaller seedlings, hardly wishle, are white pins --Photo by an editor of Farm and Dairy.

tion to select the man themselves. I his own seed grain. We will, if ne will plan to visit these farms occa- cessary, stay with him a day or ruo sionaly and recommend the crops it oshow him the best way to do it, that I consider would be best suited to the climatic and soil conditions of deavour to accomplish is in the new



THE ENGINE THAT COST NOTHING TO RUNN THE CO

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"Very few of our farmers under-stand the best methods of selecting seed corn. We will show our demon-stration farmers how it is done."

# What The Ontario Government will do for Agriculture

(Continued fro	m page	2)
Ontario Vet. Col Agricultural Societies Live Stock	33,670.00 154,250.00 41,500.00 40,700.00	1,182.00 28,745.00 1,117.00
Dairy Branch Fruit Branch Statistics Branch District Representatives	63,950.00 54,250.00 5,500.00 35,600.00	1,200.00 4,230.00 8,000.00
Farm Forestry Immigration Demonstration Farm. Miscellaneous	10,000.00 107,728.55 11,000.00 32,750.00	7,128.55 3,000.00 2,500.00
	\$910,731.55 96,000.00	\$72,824.55 25,268.00
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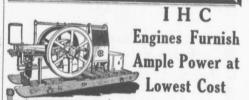
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Write for it. It shows tests of the Standard under various con-ditions, and gives the figures referred to above proving the Standard's gain over others to be \$97,00 per year. Also get catalogue explaining construc-tion of the Standard in detail.

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A <sup>N</sup> engine that develops more than its rated horse power, with the lowest possible expense for fuel, needs only one other feature is make it the best engine a man can buy. That feature is durability. The engine which combines these three qualities, ample power low fuel cost, and dura bility, is an

# IHC Gasoline Engine

In an emergency, an I H C engine will develop from 15 to 30 per cent more power than it is sold for. Because of its scientifically correct mixer, it uses less gasoline to develop that power than is required by any engine not so equipped. It is durable because only the best material is used, put orgetter with the precision of a high-priced watch. For work on farm or required, an I H C engin factory, wherever reliable, dependable power is inclusion of a weigh-priced watch. For work on farm or required, an I H C engin factory, wherever reliable, dependable power is inclusion of a very style.—horizontal and vertical, air and water-cooled, stationary, portable, and mounted on skids, to operate on gaso-line, kerosene, distillate, or alcohol; sizes 10 50-horse power; kerosenegaso-line tractors, 12 to 45-horse power. Sawing, spraying, pumping, grinding outfis, etc.

outhis, etc. The I H C local agent will show you the good points of the I H C engine. He will explain why an I H C engine is durable. He will show you how simple it is. He can give you good common-sense reasons for buying an I H C engine in preference to any other. Get catalogue from him, or, write the nearest foranch house.



A SYNOPSIS OF CANADIAN NORTH-

STATCHESS OF CARADATA NORTH-WEST LAND REQUINTIONS MEDICARD PROVIDENT OF CARADATIONS AND PERSON Who is the soil head of the Abometerial a quarter exciton of withhelp Continon hand in Banatoba, me-appear of Bub-Agunz, for the District metrory, on overlan granded mess of the metrory of the land is mess of the metrory of the size of the sould be sould be provided and the sould be sould be sould be provided and the sould be sould be sould be provided and the sould be sould be sould be provided and the sould be sould be sould be provided and the sould be sould be sould be provided and the sould be sould be provided by the sould be sould be hometeriad over the sould be sould be hometeriad and be sould be sould be hometeriad be sould be sould be sould be hometeriad

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## An IHC Manure Spreader Saves Valuable Fertilizer

CO. OR

The farms of Europe have been worked for centuries, yet the average production of wheat from those farms is nearly 30 bushels per acre; more than double the average yield of American farms. What is the reason for this tremendous difference?

The theory of the terminous undergoese. In show the value of stable manures as a fertulater. The average European sol is not as forth as its average American land, but the European grows heavier crops because the fertulary of the soil is kept up constantly by the hiberal use of stable manures. While there is not so much stable manure in this country, what there is can be used (to far greater advantage when an I H C manure spreader is

used to distribute it.

#### **IHC Manure Spreaders** Corn King, Cloverleaf

make one ton of manure go as far as two tons spread by hand By pulver make one ton of manure go as far as two tons spread by name. By putter-izing the manure and spreading it in an even coad, light or heavy as may be needed, all over the land, they insure a perfect combination of the plant food elements with the soil. There is no over fertilizing in spots, to produce an uneven stand of grain. Each square foot of ground gets the same treatment.

produce an uneven stand of grain. Each square foot of ground gets the same treatment. The superior mechanical construction of I H C spreaders is the reason for their effectiveness. They solve every problem of correct spreading. Light drait is secured by the proper construction of wheels and correct principles of gearing. When I H C spreaders are thrown in and out of grain between the spreaders are thrown in and out of graine between the spreaders are thrown in and out of mages nearly half the text on lariton receives business of their constructions; simule, effective chain typichers instead of only a law; chain worn on one side only unstead of on both aid main due constructions; these all add to the durability of the spreader. TH C spreaders have no neach. They do not need one. Because of this feature an I H C spreader can be turned in its own length, a great convenience at any time. I H C spreaders have many other advantages which the I H C spreaders have many other advantages which the I H C calcal dealer will explain toy on. See him and get catalogues and tuli information, or if you prefer, write CANADME REARCH HOURSES.

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#### I H C Service Bureau

The purpose of this Bureau is to furnish. free of charge to all the test information obtainable on better farming. If you have any orthy questions concerning soils crops land dramage, trication, critize, etc. make your inguirles specific and send them to 1H C service bureau. Harvester building Chicago. U SA 

#### FARM AND DAIRY

SWINE DEPARTMENT Our readers are invited to ask questions in regard to avine. These will be answered in this depart. The second second second second second helpful augestions or relate er-perience through these columns.

#### **Rape for Pork Production**

High prices for all grain feeds and the failure of clover on many farms have caused a large number of feeders of hogs to look for forage crops which, with a light grain ration, will produce fairly rapid gains at a moderbroduce fairly rapid gains at a moder-ate cost. Investigations at the Ohio Experiment Station have shown rape to be one of the very best crops for this use if clover is not available.

Six pigs, weighing about 45 pounds at the beginning of the test, were kept on slightly less than one quarter of an acre of rape for 11 weeks. During this time the pigs received 825 pounds of a mixture of nine parts, by weight, of ground corn to one parts, by weight, of ground corn to one part tankage, and gained 369 pounds in weight. Another plot, more fertile than this one, yielded an even more luxuriant growth of rape, and showed a larger carrying capa-

The rape from the better plot s a replacement value of over \$48 an acre when the gains produced and concentrates consumed by pigs, some receiving corn alone and some reeiving corn and tankage, on the rape and by similar pigs fed corn an tankage in dry lot were compared In this calculation corn was valued at In this calculation corn was values at 56 cents per bushel, and tankage (60 per cent, crude protein) at \$48 per ton. At Canadian prices for corn and tankage, rape for hog feeding would have a greater value than \$48 an acre.

#### Feeds for Hogs

Is there anything other than rape I could sow this apring and have it ready for hog pasture by July 1st or 15th? Which of the following feeds would you recom-mend a farmer to buy for pigs to be fed in connection with whey: Shorts, 35c middings, \$28; low grade flour, \$1.80 a owt.; mixture of oats and barley, \$1.45?--W. E. W. Grenville Co., Ont.

Among the crops that can be sown in the spring and utilized for hog pasture the same year, rape is un-doubtedly the best. There are, how-ever, several alternatives, amongst which might be mentioned a mixture of peas and oats, equal parts by weight, sown at the rate of four weight, sown at the rate of four bushels an arct peas, oats, and vet-ches, equal parts by weight, sown at the rate of three bushels an arce; peas, oats, barley, wheat, and vetches, equal parts by weight, with 10 pounds sorghum per arce, the first-mentioned mixture sown at the rate of about 3% bushels an acre. These crops should all be sown about five weeks before required for use; or if the soil is not very good, then six or seven weeks ore required for use

before required for use Of the feeds mentioned at the prices given, I would say that middlines at \$28 a ton is the best and would un-doubtedly prove to be the most econ-omical. If the pies are small, how-ever, it will be found advantageous to huy a few hundredweight of low mode devend with the wide be wide to buy a few hundredweight of low grade flour and mix this with the mid-dlings for the early part of the feed-ing period, say for the first six weeks. To begin with, the mixture might consist of about three parts

might consist of about three parts middlings to one part four, cradually changing it to about 10 parts mid-dlings to one part flour. If during the last part of the feed-ing period it were possible to get some good barley or corn to mix with the middlings more satisfactory re-the middlings more satisfactory results might be anticipated than if the May 9, 1012.

middlings were fed alone. The product of oats and barley at \$1.45 a cwt. is not likely to prove profitable. The best results in the feeding operations might be expected if the mid-dlings and low grade flour were fed dings and low grade flour were fei as indicated and as soon as the low grade flour was done away with an equal amount of barley or corn meal substituted and the proportion grad-ually increased to one of barley or corn to 10 of middlings at the begin-ning up to one of barley or corn to a findlings during the burnt of two of middlings during the last two or three weeks of the feeding, period, during which period pigs should be kept confined and a small amount of green feed given them to eat pens.-I. H. Grisdale, C.F.F

#### Moisture Conservation First

The study of co-called "dry farm, og," as well as of irrigation processes, has during recent years brought about considerable modifica-tions of the ideas formerly dominant in relation to the purposes of tillage. While no less importance is attached to the breaking up of the soil and re-ducing it to such "tilth" as shall facilitate the absorption of plant-food by the growing crop, and while the destruction of weeds remains one of destruction of weeds remains one of the important objects of tillage, more emphasis is to-day laid upon such a treatment of the land as shall best conserve the supply of moisture, hin-der evaporation, and keep "the watery gifts of the skies" in the soil until they shall have been fully utilised in creap another been fully utilised in crop production.

#### DISKING ADVISED

It is estimated that this latter end will be most effectively served by the use, in the spring, of the disk and hurrow on fall-plowed land, to pul-verize the surface and thus break the continuity of contact, among the soil-particles, which promotes the capil-lary ascent and evaporation of mois-ture. A finely-divided surface not only affords a good seed-bed, but, as a proattories a good seconder, but, as a pro-tective mulch, it conserves the water supply. And as Dr. McGee, the hy-drographer of the Reclamation Ser-vice of the United States, declares in a recent article—it is really upon the adequacy of the water supply, rather than upon the quality of the land. that success in agriculture depends. He shows that we have in America enough cultivable land to support two billions of people; but the water supply is sufficient only for one billion; so the latter figure is set as the limit of population which can be supported on our continental domain. Hence the importance of methods of cultivation that first of all conserve moisture

#### Homeseekers' and Settlers Trains to Western Canada

Via Chicago and St. Paul, April 16th, 23rd and 30th, and every second Tuesday thereafter until Sept. 17th. inclusive. Tickets will also be on inclusive. Tickets will also be on Northern Navigation Company. Spec-ial train will leave Toronto 10.30 p m. on above dates for Edmonton and points in Manitoba and Saskatche wan, stopping at all points on Grand Trunk Pacific Railway west of Winnepeg. Through coaches and Pullman Tourist Sleepers will be carried fully equipped with bedding and porter in charge. Berths may be secured in sleepers at a low rate. This is an exsteepers at a tow rate. This is an et-ceptional opportunity for those wish-ing to take advantage of the remark-ably low one-way Settlers rates or round trip Homeseekers' excursions through the American cities. No change of each form the term through the American trites and change of cars. Secure tickets and berth reservations from any Grand Trunk Agent, or write A. E. Duff. District Passenger Agent, Union Station, Toronto.

May 9, 10

# Our Veter

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nt worth notin the eye. ng, then she sh 1-2 lbs. Epsom ger to cause tment was r irritant and ning of the st w linseed oil a sted food. If e pint raw lir has failed onful of the : ily, viz. : Equ gentian,

#### Tiling

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o or three inch o make the wate Don't try to g ing a cheap wo Don't let your m sater will run of nise in the groun 1012.

May 0, 1912.

**Our Veterinary Adviser** 

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Last werk noting is that these buildings are well painted and hence attractive Photo by an editor of Farm and Dairs. Photo by an editor of Farm and Dairs. In the photo by an editor of Farm and Dairs. In the photon well as the photon of t

Doa't wait until you have money in the bank to tile; borrow it. It will pay you the largest interest of any mestment you ever made.

Don't wait until you are ready to de before you haul your tile. Don't think that it costs money to e; it is the best money maker you we had on your farm.

Don't fail to figure how much money you have lost if 10 acres of more room out of 40 fails to mature m account of wet ground.

Don't think that all you have to do to dig a ditch and throw the tile

Don't think that your ground is o flat to tile.

Don't think your outlet is not good mough; make it good.

Don't think that you have to have two or three inches of fall to the rod

Dent think that you have to have we or three inches of fall to the rod b make the water run. Don't iry to get a cheap job by himg a cheap workman. Dent't et your man tell you that the sufer will run over an eight inch nise in the ground. Experimenta at the Michigan Sta-tion show that there is little, if any, difference in the amount of butter-fat the milk of a heifer and of a ma-ture cow. Somebody's imagination foundation for the popular belief to the contrary

FARM AND DAIRY

Don't think that by tiling you will Don't think that by tiling you will cause it to quit raining on your land. Don't think that you don't get the benefit out of your tile in the dry season, for you certainly do. Don't think that you can raise a crop on low wet ground next year because you did thas year. - C. C. Branaman, Drainage Engineer.

erber. Fast for 12 hours, then give a dose i areca nut in a little new milk. in him two grains for every pound i his weight. In four or five hours ire half an ounce castor oil.

**Cows** Our Salvation (De Laval Monthly)

The first of N in COW-Cow got sick, by pictured, she breathed heavily and gate shard boards. We gave her mustard, gate, sop and and croton oil. When indicate operation the force and board in addine operation the force and board in a start of the force and board in a start of the force and board in a start of the force and board in the force and board and and the force and board and the force and board and and the force and board and the force and board and board and and board and board and the force and board and board and and board and board and board and board and board and and board and board and board and board and board and board and and board and board and board and board and board and board and and board and bo

The Western Fair Association has decided to hold their exhibition at London this year on September 6 to

It would seem that caked udder and it would seem that cheed usder and milk fever are necessary evils if we are to have high-producing cows. The danger can be reduced, however, by feeding the cows succulent and cool-

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Well Adapted to the Purpose for which they are intended

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ing feeds.

the contrary.



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"Vanco" Lead Arsenate is instant death to Codling Moths, Canker Worms, Potato Bugs, Cabbage Worms and all other leaf-eating insects.

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of registered stock under the auspices of the Beauharnois Live Stock Breeders' Association will be held at Ormstown Que., June 14, 1912 There are already consigned 100 Registered Ayrshires 50% Imported **30 Registered Holsteins 20 Registered Clydesdales** Catalogues will be ready May 15

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CIRCULATION STATEMENT The paid subscriptions to Farm and Dairy exceed 13.006. The actual circuit-tion of each issue, including copies of the nappr sent subscripers who are but slight-from issues to 15.500 conjects. No subscrip-tions are accepted at less than the full subscription rates. Nevera detailed statements of the elecu-tion of the proce-of works its distrib-tion of the proce-of works its distrib-out R POOTECTIVE POLICY

OUR PROTECTIVE POLICY

We want the readers of Farm and Dairy to feel that they can deal with our ad-verticers with our adverticers of our ad-verticers reliability. We try to admit to our columns only the most reliable ad-In treat these terms are well or or de-vertisery relativity. We try to admit to our columns only the most reliable ad-vertisers. Rhonid are subscriber have be receives from any of our advertisers, we will investigate the circumstances fully. Rhonid we find reason to believe the receives from any of our advertisers, we will investigate the collision of their advertisers as well. In or, other advertisers as well, in or, protective Poller, you need only to la-cinde in all letters to advertisers the words. Takey our advertisers the the take the advertisers the take advertisers the words. Takey our advertisers the take advertisers the takey of the takey of the take advertisers the takey

#### FARM AND DAIRY PETERBORD, ONT.

#### MORE REPRESENTATIVES NEEDED

Dr. Creelman, President of the Ontario Agricultural College, is authority for the statement that the educational work carried on by the District Representatives of the Ontario Department of Agriculture in the last four or five years has been more effective and accompanied by more farreaching results than all the educational work of the Department in the previous 20 years.

If this statement is correct, and we believe it is, why is not the Provincial Department of Agriculture increasing the number of district representatives more rapidly than it is? The farmers of several counties in Ontario are desirous of having an "Agricultural Doctor" in their midst, and have appealed to the Provincial Department of Agriculture for a Representative. These petitions have been, in some cases, renewed for two or three years in succession.

agitating for a representative have not yet been supplied. One of the excuses offered for this

is that a sufficient number of men cannot be secured. If the Agricultural College at Guelph is not turning out men fast enough, why not try some of the Macdonald College graduates? If the work is as important as Dr. Creelman claims, can we afford to delay for years until the crop of students at Guelph shal! be large enough to meet the requirements? Were the Department willing, however, to make the necessary expenditure for the District Representatives, the men would soon be available even from the one college at Guelph.

The institution of the District Representative system was one of the wisest acts of the present Ontario Government. This plan of educational work should be widely extended.

#### MANURIAL VALUE OF FEED

In purchasing feed stuffs, and many of us will yet have to purchase feed before our cows are on grass, we should not overlook their manurial value. Nitrogen, phosphoric acid, and potash are found in abundance in feeding stuffs, and this is an economical form in which to buy fertilizer. We will get returns for our money, first as a feed, and then as fertilizer.

Valuing the manurial constituents of feeds at wholesale market prices, cotton seed meal contains \$35.46 worth of fertilizing ingredients, linseed meal \$21.35, wheat bran \$13.49. oats \$7.88, and corn \$6.83. course all the manurial value of the feed cannot be applied to the soil. but if the concentrate be properly fed and the manure carefull conserved, 80 per cent, of this fertility may be placed where crops can use it.

In the light of these facts, there can be no question as to the advisability of purchasing concentrated feed stuffs for dairy cows. It has been demonstrated time and again that good cows will return a profit on the full market price of the meal. Even if they did not we could still afford to buy feed. Cotton seed meal at present values is worth \$35, and if we consider its manurial value to us to be \$20, can we not afford to pay \$15 for the food value in the cotton seed meal?

If we bear in mind the manurial values of feeds and buy only those of high fertilizing value we are getting cheap feed and cheap fertilizer.

#### ANENT EARLY PASTURING

As early as April 28th, an editor of Farm and Dairy saw several head of cattle already on pasture in a Western Ontario county. With feed supplies as scarce as they are in many sections of Ontario this season, the temptation to make use of the new grass is strong, but the practice is bad policy any way we look at it.

A chemical analysis of pasture grass early in the season would show that it is almost altogether water, and form possessing little nutritive value. The nitrogen, for instance, that in the form of protein is the most valuable part of an animal's food, is in young grass in the form of amides that have little food value

Early pasturing has also a most detrimental effect on the value of the pasture for the entire season. The food of the plant is manufactured in the leaves through the action of sunlight. The more leaf area we have, the greater will be the manufacture into plant tissue of the raw materials brought in through the roots. The basis is thus laid for strengthening the future growth of the plant. When cropped short from the first, however, pasture grass never gets a start manufacturing the food it requires to carry on its life activities and hence the growth will be weak.

Early pasturing is not advisable, either from a scientific or theoretical standpoint. The experience of all our best farmers proves that theory and practice here coincide. Let us sacrifice a little present gain even if we have to buy feed for a time, in order that we may have good pastures during the balance of the season.

#### FOREDOOMED TO FAILURE

Members of the produce section of the Toronto Board of Trade have recently been busy mailing circulars to thousands of Ontario farmers requesting their cooperation "in giving the consumer an egg fit to eat every day in the year." These circulars also contain much good advice or how to properly care for and market eggs. The chances are that every farmer in the province who will recrive one of these circulars has read similar directions on the handling and marketing of eggs several times before. Institute speakers and the gricultural press have for years been telling us how eggs should be cared for and marketed to reach the consumer in the best condition.

A knowledge of present conditions surrounding the production and marketing of eggs should convince one that the improvements that will be wrought in marketing methods by these circulars will not be sufficient to justify the expense of printing the circulars. The great bulk of the eggs that reach our cities are produced on farms where hens are kept merely as a side line. The revenue from the poultry to one individual farmer is so small that it would not be profitable for him to market his eggs twice a week unless he had shipping facilities right at his door.

Any improvement that is to be attained in the betterment of the city egg supply must come through the organization of producers. While one farmer cannot afford to take biweekly trips to the station with his supply of eggs, farmers of a community organized for marketing their poultry produce can make arrangements whereby their eggs would be shipped regularly in hot weather. It is only through the extension of the cooperative egg circle system of

#### May 9, 1912.

city consumers can hope for a guaranteed supply of fresh eggs the year round. But this movement will not be widely adopted by our farmer, until fresh eggs sell at a higher price than stale ones.

What has the produce section of the Toronto Board of Trade done to en courage this cooperative enterprise of the part of poultry producers? The system of paying a flat rate for eggi practised by the members of thi Board has discouraged many wh would like to market a good produc could they get a fair price for it. the members of the Toronto Board a Trade are really anxious to sund customers with fresh eggs let the establish a graduated price list an pay a premium of three to five cen a dozen for guaranteed eggs. would then see cooperative egg circle springing into existence all over th country. But so long as the flat rat is paid and stale eggs sell as we as fresh ones the present loose m thods of marketing will prevail. It money inducement that we farm need, not free advice.

#### SOW ENOUGH SEED

With red clover and timothy see so high in price many of us will b tempted to cut down on the amount of seed that we sow. This is the kind of economy that tendeth to poverty One dollar saved now from the see bill may mean a loss of four or fi dollars when we come to harvest or first crop of hay next season. On own experience and the results o agricultural experimental work ca ried on at our agricultural college and experimental farms proves th wisdom of heavy seeding of clover and timothy

Mr. John Fixter, of the Domini Conservation Commission, speaking on this subject with an editor of Far and Dairy recently, told of an exper ment that he had conducted when a St. Anne de Bellev: e. Four time the usual quantity of seed was son on one part of a field as compar with the usual seeding on the oth part of the same field. Mr. Fixte was afraid that the stand would b altogether too thick. When harves time came the heavily seeded ports yielded one ton more of clover an act than was harvested from the thin seeded area, other conditions being the same. Let us avoid light see ing, even though the seed bill doe seem to be heavy.

We must consider in selecting our seed corn the quality of the silage that will be made, as well as the quantity. One silo ful

Selecting Cornof well-matured, well for Ensliage, eared corn is worth tw or three silos filled with

large southern corn grown in a dimate where it does not have time # properly mature. Yields of fifty, sitt or even more tons of silage an act have been reported as being obtained with these large southern varietie Let us not be carried away by th reports, true though they be. We i that what food there is in it is in a gathering and marketing eggs that Ontario will get much better retu

May 9,

and more fe medium size and Longfell arietics so f Due to the

Whyte of Ot Contest will I County, Ont. ween 12 and Whyte is dor

President Regal Fence Sarnia, Ont. view, gave to ADVERTISI REDUCED COST OF SH rofit mutual and to the co "I was first the good point musumer plan tion with the o., manufac

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AND YOU GOOD COM PLATFORM. and Dairy we Electric Belt, Liquor, and al vertising, and "A Paper Fa , 1012.

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#### May 9, 1912.

and more feed an acre from such value from \$15 to \$4, for the boy medium sized varieties as Learning and Longfellow than from the larger rarietics so frequently recommended.

Due to the efforts of Mr. R. B. Whyte of Ottawa, a Potato Growing Contest will be conducted in Carleton County, Ont., this year for boys beween 12 and 18 years of age. Mr Whyte is donating prizes varying in

#### XXVIII

President Lloyd Lott, of the Regal Fence and Gate Co., of Sarnia, Ont., in a recent internew, gave testimony to how their BUSINESS has been BUILT ON ADVERTISING, which greatly REDUCED the OVERHEAD COST OF SELLING, resulting in profit mutually to his company and to the consumers. He said : "I was first in a position to note the good points of the direct to the answer plan through my connec-tion with the Sarnia Wire Fence Ca. manufacturers of their well known Royal Brand of farm fence. well

"The ultimate success of such a policy is assured, only when a manufacturer, financially strong, afters to the public that which he in guarantee first-class in every rticular.

By a careful compilation of figures I know positively that it costs me in advertising through papers three times less to market my fence than it would if I sold to dealers igh agents

"There is nothing like printers' nk, providing always that your is exactly as represented in ar advertisements.

"It is for this reason that we are usle to offer the Canadian public a int-class ornamental wire fence at st about half what others, who sell

invagih dealers, charge. "So you see that both the con-smer and manufacturer is benefit-ted; and if we are to judge by the siders we receive daily through our idvertisements the further fact as our plant is running night and lay to keep up with these orders, re can safely say that the consumer appreciates the good points of our ling plan as much as we do.'

As a manufacturer it is a great rivilege to be able to talk through the press to the people you want to

a great hall and we have seated in that hall the heads of 14,236 families who live on dairy farms.

"We have arranged for you to have a place on the platform, to stand up before that vast audience and tell your business story." You would jump to grasp the opportunity !

THIS IS YOUR PRIVILEGE to-day! You can talk to these prosperous, progressive Dairy farmers of ours and make them your audience through Farm and

AND YOU WILL BE IN GOOD COMPANY ON THE "PLATFORM," since in Farm and Dairy we absolutely refuse Electric Belt, Patent Medicine, Liquor, and all questionable advertising, and Farm and Dairy is "A Paper Farmers Swear By" growing the best one-tenth of an acre of potatoes. Silver medals will accompany the first three prizes. Mr Whyte deserves credit for the effort that he is making to interest young Canadians in better farming methods. Public spirited men will see in Mr. Whyte's scheme a way in which they, too, may assist in promoting, in the minds of young Canadians, enthusiasm and interest in better farming methods

FARM AND DAIRY

#### Hints to Help Solve the Labor Question

H. A. Macdonell, Director of Colonization, Toronto

Colonization, Foronto One of the most urgent needs of the farmers of our Province is an ade-mote supply of farm labor. The farmers of our Province is an ade-quate supply of farm labor. The Colonization Branch has been endea-voring to meet that demand by bringvoring to meet that demand by bring-ing men from Great Britain and Ire-land and placing them with farmers in this Province. During the past few years several thousands have been brought out and placed in this way. Instead, however, of the de-mand lesening, it seems to be in-creasing. creasing.

Our observation and experience convince us that while there may be many explanations of this regrettable many explanations of this regretiable fact, the one outstanding reason is the practice of employing men for six or eight months of the very and then turning them out to find situations elsewhere for the balance of their the... This works out in such a way there... This works out in such a way on the farmer who have been employed to the start who have been employed on the farmer is compelled to start that the farmer is compelled to start that the farmer as the start spring in the efforts of again the next spring in his efforts to secure help.

I would make the following sugges I would make the following sugges-tions, the adoption of which would go a long way towards relieving the stringency 'hat exists at the present time:

#### CONTINUOUS EMPLOYMENT

(1) First and foremost the one who (1) First and foremost the one who arranges to employ a man by the year, especially if able to supply a house and a piece of land, is the farmer whe has the least trouble over the help problem. It is the better way for the man as well as for the farmer. If you feel your work does not warrant the employment of the supplement of the supplement. the employment of a man the year round, you might be well advised to consider the question of taking up a few more branches of farm work or handling additional live stock, and in this way we feel satisfied you would more than make up the extra cost of the help.

(2) Do not be too exacting about getting an experienced man. Experienced farm laborers are rare at perienced farm laborers are rare at the present time, as there is a large demand for them in the Old Country as well as on this side. If you take an inexperienced man. recognizing that he is unfamiliar with the condi-tions and methods in this country, and devote a little attention to train-ing him for a few months, you will find in nine cases out of J0, that he will prove very useful to you. Being reasonably generous in the matter of will prove very userul to you. Denig reasonably generous in the matter of treatment and wages is essential if hired help is to be retained. We feel satisfied that if these sug-

gestions are acted upon, the results will redound to the personal advan-tage of the farmer as well as to the prosperity of the Province.

We all know that dead seed does not produce a crop. But there are lots of us who still persist in seeding dead corn because we do not test it to find out.



# heir Great Simp

DE LAVAL CREAM SEPARATORS EXCEL ALL OTHER separators not only in thoroughness of separation, sanitary cleanliness, ease of running and durability-but as well in their great simplicity

THERE IS NOTHING ABOUT THE operation, cleaning, adjustment or repair of a modern De Laval Cream Separator which requires expert knowledge or special tools.

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517

NOR ARE THERE ANY PARTS which require frequent adjustment in order to maintain good running or to conform to varying conditions in the every-day use of a cream separator.

THERE IS NO NEED TO FIT and adjust parts to get them to-gether right. They are so carefully and accurately made that they cannot help go together right. All bearings and bushings are easy to replace. There are no complicated springs, keys, ball bear-

Complete gearing of the De Laval Separa or as it would appear if removed intact machine. Note the remarkable simplicity of construction.

ings or other fittings, that only an expert can properly adjust. IN FACT, SO SIMPLE IS THE CONSTRUCTION OF A De Laval machine that a person who has never touched a separator before can, if need be, take a modern De Laval separator before can, n need be, take a modern be tavat machine completely apart within a few minutes and then put it together again as quickly. This is something which cannot be done outside a shop with any other separator.

THERE IS NOTHING ABOUT THE MACHINE THAT cannot be taken apart, removed or replaced by any one who can use a wrench or screw driver. In fact, the only tool which is needed in the use and operation of a De Laval Cream Separator is the combination wrench and screw driver illustrated below.

THE ONLY WAY TO PROPERLY UNDERSTAND AND appreciate De Laval superiority to other separators, is to look over, and better still to try, a 1912 De Laval machine. Every De Laval agent is glad to afford prospective buyers the oppor-



518 (16)



LONDON CONCRETE MACHINERY CO., Dent. B. LONDON. ONT.

Largest Makers of Concrete Machinery in Canada

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#### A roof that defies LIGHTNING That's about the only safe and same

roof for you to invest your hard-earned capital in. A roof that will withstand the fierce onslauchts of the Lightning Fiend can be depended upon to be weather proof in every other respect.

## PRESTON SAFE LOCK

CHINGLES hald under the new improved speci-fication make an a'-lutely Light-nlar-preser ford-the aly rest that your you to do use a favor: we want you to do use a favor. we want you to new Preston Specifications for Light-ning protection. Read it carefully. Consider the facts impartially. Then drop us a note telling us exactly what you think, whether you are in the market for a roof or not. Your opinion of this book will be highly

Metal Shingle & Siding Co., Ltd. TRUTH Preston, ABOUT ROOFING Ont 108



Creamery Department Butter makers are invited to end outputs and outputs and outputs and customs on matters relating invites making and o suggest inters to Greamery Department.

The Effect of Pasteurization and Starter on Cream\*

Geo. H. Barr, Chief, Dairy Division, Ottawa

All the cream received at the Ren-All the cream received at the fich-frew Creamery is delivered in in-dividual cans, a good deal of it com-ing in by train. This enabled us in our experiments conducted there last summer to select almost any kind of cream we wished to experiment with cream we wished to experiment with. As the cream was being delivered by the patrons, the kind of cream we wished to experiment with was selected and put into one of the creamery vats. After being thoroughly mixed. it was drawn off into 10-gallon cream cans, each experimental lot containcans, each experimental lot contain-ing 160 pounds of cream. Pasteuriz-ing, cooling and ripening were done in these cans in a wooden tank in the roamory

In every case, the pasteurizing tem-perature was 150 degrees. This tem-This temperature was maintained for 20 min ites, and then the cream was cooled to ripening temperature as quickly as possible with water and icc. The cream was usually cooled to churning temperature Letween six and eight o'clock in the evening.

THE STARTER USED

The "starter" used in all the ex-periments was made from skim-milk powder manufactured by The Pure Milk Products Co., Toronto, Ont. Ten per cent of starter was used. In ripening and churning, we tried

The bird of the second perature of 10 degrees. perature of 10 degrees. The cream-ery cold storage was kept at about 42 degrees. On October 20th, the butter was ahipped to London, Ont., and there scored by Mesars I. W. Stein-hoff and J. B. Muir, estensive buyers of butter and cheese and also expert D. McMillan, Cream For Long and Comparison D. McMillan, Cream For Long and Long and Magnetic and the sorte shown "This summary of the experimental ratis summary of the experimental work conducted by the Dominion Dairy Division at the Renfrew, Ont., Creamery last summer is taken from an address given by Mr. Barr, before the E. O. D. A. Convention at Campbellford.



# This Engine Runs on Coal Oil

These chargeness and are also on a constraint of the second of the second secon stop it.

FREE TRIAL FFR 3D DAYS. You don't have to take our word for it. We'll send an engine anywhere in Canada on Thirty Days' Pree Trial. We furnish back at outload for testing on your work. If it does not suit you send it back at outload for testing or tright and duty to got it to you and we'll pay to get it back if you don't want it.

Absolutely guaranteed for 19 years. Write for free catalog and opinions of satisfied users. Special offer in new territory.



#### CONDITION OF SWEET CREAM

Three experiments were made with sweet, clean flavored cream. In these three experiments, the average tem-perature of the cream when received perature of the cream when received at the creamery was 63.3 degrees, the average per cent acid .30 and the average per cent fat 27. In each experiment, sufficient cream periment, sufficient cream was put into a cream vat to make eight churn-

Four lots were drawn off as soon as Four lots were drawn off as soon as the cream was received, then ripened and churned the following day, the dates being June 1st, 8th and 15th. The Lalance of the cream was kept in the cream vat for 24 hours longer at the cream vat for an average temperature of 55.6 degrees and then irrated exactly the same as the other lots. The average per cent acid at the end of the 24 hours was .55. These churnings were hours was .55.

May	9.	1012	

#### Iced Butter Car Service

Commencing Tuesday, May 14th, and until further notice, an iced refriger ator car service will be established for the carriage of butter only to Tor onto and Montreal, also shipments for export forwarded via Montreal or Quebec; the intention being to have the car arrive at Outremont (Montreal) the car arrive at Outremont(Montral) Friday so that the contents may be delivered Friday afternoon or Satu-day morning. The service will be four cars weekly, as follows: will be four cars weekly, as follows: (1) From Windsor iced car ever Tuesday on "Way-Freight Extra"

(1) From windsor reed to Extra. Tuesday on "Way-Freight Extra. This car will leave London by "Way This car will leave London by "Way-Freight Extra" Wednesday a.m., and reach Toronto by No. 9.10 Thursday night. Shipments from intermediate main line stations west of Toronto will be loaded in this car. Shipments from be loaded in this car. Shipments from Port Burwell, Ingersoll, and S. Marys Subdivisions should be was-freighted to Woodstock for tranship-ment to iced car from Windsor. (2) From Goderich, iced car every

TABLE I.-AVERAGE SCORE ON THE FLAVOR OF THE BUTTER FROM CREAM CHURNED THE DAY AFTER IT WAS DELIVERED. Age of Raw Raw Cream Pasteurised Pasteurised Pasteurized Age of Butter Cream 10 per cent Starter 42.66 Cream 10 per cent Starter monke 40 17 42.00 43 16 43.00 40.10 Nov. 1st 39.77 40.05 Difference 3.90 2.89 3.11 / 0.00

TABLE IL-AVERAGE SCORE ON THE FLAVOR OF THE BUTTER FROM CHEAN CHURNED TWO DAYS AFTER IT WAS DELIVERED. Raw Raw Cream Pasteurized Pastanrized 10 p Cream er cent Starter 42.33 Cream 10 per cent Starte weeks 41.83 38.94 Nov. 1st ..... 40 01 43.00 30 17 39.77 40.05

3 16

It will be seen from the foregoing | Wednesday on "Way-Freight Extra" tables that in every case the cream scored the lowest. In no e the raw In no case does the raw cream with starter score as high as the two lots of pasteurized cream. There is very little differ-ence between the scores on the two ence between the scores on the two lots of pasteurized cream, nor is there much difference between the scores on the cream churned the day after delivery, and that churned two days after delivery as shown in the following table :

Difference ..... 2.89

as nign as the two lots of pasteurized cream. There is very little differ- ence between the scores on the two lots of pasteurized cream, nor is there much difference between the scores on the cream churned the day after delivery, and that churned two days after delivery as shown in the follow- ing table:	ment to iced car from Goderich. (3) From Owen Sound iced car every Wednesday on "Way-Freight Extra" for West Toronto to be trans- ferred at Toronto, whenever possible, to car from Windows Shine Chine			
TABLE IIIAVERAGE OF ALL THE S DAY AFTER DELIVERY AND THAT Addiy Churned when received 1 day after delivery	CORES ON THE BUT CHURNED 2 DAYS Raw Raw Cream Cream without with Starter Starter 40.79 41.58 40.64 41.05	AFTER DEI Past. Cream without	NED THE LIVERY. Past. Cream with Starter 41.92 41.79	

car from Windsor.

The sweeter cream scores slightly | be consolidated at Owen Sound. Ship The sweeter cream scores suggrity higher in every case, but the total difference is very little and would in-dicate that when the flavor of the cream is clean, a difference in the acidity as here shown at time of delivery has little effect on the flavor of

#### Dairying in Saskatchewan

P. M. Bredt, Live Stock Commission er for Sask.

Dairy Notes I have seen the over run of a creamery reduced from 24 per cet to 20 per cent. through the adoptic of geam scales for taking the aso-plets.—Mek Robertson, Perth Co. The cream from each separation we keep in separate pails for 12 hours, then we mix it with the other cell mix the wr never on any scould do not have ice, but we find that we can keep our gream neeffed in the The dairy branch has done much to stimulate the live stock industry in Saskatchewan. Their success is shown by the great growth of the shown by the great growth of the Government creameries. In 1905 the total output of our creameries was 65,000 pounds and in 1911 over 700,-000 pounds, and from all creameries over 1,000,000 pounds. Winter dairying has been encouraged and is increasing.

can keep our cream perfectly in the cellar of the house.-R. D. Dairying is going ahead faster than other lines of live stock. In 1905 there I am sending you in my subscrip-tion with the greatest of satisfaction to myself. I would not take many times the annual subscription and were in Saskatchewan 90,000 milch were in Staskachewan 20,000 miles cows; in 1910, 224,745. In the same period the number of beef cattle in-creased from 210,000 to 527,000, a smaller percentage increase. The quality of the mileh cows is improving give back the information that I have had while perusing Farm and Dairy this last year.-J. H. John-ston, Muskoka District, Ont. as well.

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connecting with Train 902 at Guelph Junction. Shipments from Listowe

Subdivision should be way-freighted to Linwood Junction for tranship

Teeswater, iced ca

**Dairy** Notes

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#### Cheese from a Agricultural

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#### WANTED

Eghest Toronto pr fireted at any Exp PAY AILL C FURNISH C PAY AOCOU ENGAGE M. SOME PO IUE NOT ES Tits for particula E TORONTO CREAM

#### DAIRY FA ATTEN

Start the season cream to the Wa We are in a posi alimited quantity of ittermaking purp olicit your shipment We pay by Expre Post Office Money Noney Order, and p Sery two weeks, aid on all shipment Every can of cream and rested upper d tested upon arr Write for cans and

Walkerton Egg & WALKERTO

ments from Muskoka Subdivision should be way-freighted to Bolton for transhipment to iced car from Owen Sound. (4) From Teeswater, iced car every Wednesday on 'Way-Freight Extra'' running via Orangeville ad Streetsville Junction for connection at Toronto whenever possible, with the form Window the butter.

#### May 6, 1012.

Cheese Department. Liters are invited to send contri-using to this department, to ask suffers on matters relating to ask for discussion. Address inter-t the suffers of the suffers of the suffers the suffers of the suffers of the suffers of the suffers the suffe

Good Points About Starter

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E TORONTO CREAMERY CO., Ltd., Terento

#### DAIRY FARMERS. **ATTENTION!**

ed starter should contain at the ne of adding to a vat of milk. The mle—if a little is good a lot ought be better—will not apply in this se. One naturally thinks that a

Start the season right by shipping worcream to the Walkerton Creamery. We are in a position to handle an alimited quantity of Fresh Cream for

numed quantity of Fresh Cream for Maternaking purposes and beg to short your shipments. We pay by Express Money Order, "Mu Office Money Order or Bank Mase Order, and payments are made stery two weeks. Express charges mid on all shipments. Fere can of cream carefully weighed all batel unse sentent all weighed

und tested upon arrival at Creamery. Write for cans and further particulars

Walkerton Egg & Dairy Co., Ltd. WALKERTON, ONT.

good starter is what is needed instead of one only half sour, but by careful observation we can easily see that 30 pounds of good starter at 70 per cent. of lactic acid, will give much more pronounced results all through

nume to this advancement, to and making of all congress in the process of manufacture than 300 page for the second second second second second second second page for the second second



#### Cheese from this Quebec Factory is Sold on a Cooperative Basis

Calese from this Quebec factory is Joid on a Cooperative Hasis the Agricultural Cooperative Society of Quebec Cheese Makers numbers on its many of the best cheese factories in that province. The factory illustrated is of Sylvio Paquet, Chicoutimi Co., Quebec. Note that dwelling-house and fac-is attached; a style more common a Quebec than Omtario.

The attached; a style more common a Quebe than Ontario. In instead of deriving any benefit often wonder what has happened to in P, we are adding insult to in-our starter. We think we must have for a construction of poor milk, and a with something that should not there. If the starter is pure, that if it does not contain any organ-is other than pure lactic cidd, have are setting up a fermentation our milk that will counterate that will contend the at a start in the process of the must hat are a flexady at with the innocent farmer that we got that the innocent farmer that we got th

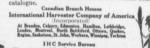
# Advantages of Daily Records re. TOO MUCH ACID De of the many things that we kers are slow to grasp is the pro-percentage of lactic acid that de starter should contain at the ref sadding to a vat of milk. The

Advantages of Daily Records J. A. Ubbelohde, Wisconsin The greatest benefit that a cheese-maker derives from keeping daily re-cords is that he will soon become more eareful in his bests for acid, more eareful in his bests for acid, more eareful in his bests for acid, more color and extract, and ements of his examining his curd. We haveful in helpers in the factory who hardly noticed the condition of the curds all summer until keeping the records was made part of their duty, and in a few days they developed a special in-terest, and watched the changes in the curd and developments as closely as though their all depended on knowing the exact condition of the curd.

though their all depended on knowing the exact condition of the curd. We know of nothing that will show a cheesemaker's alack methods more plainly than trying to keep a daily record. These records are a wonder-ful educator for him to turn to from year to year and will be found a great he'p in locating trouble that may not have made its appearance for several years at the factory.—Dairy second.

Yeas at the lattory-Diary heeded. The Villiers Cheese Factory, for-merty owned by Mr. Jas. Ryan, of Villiers, has recently been acquired by a joint stock company, of which Mr. Geo. Robertson is the president. Alex. Wood the vice-president, and Thes. Sheare the secretary-treasurer. The new company has renovated he factory throughout, installing cement floors, a cool curing room, a new bell on one, each againstor. It is bell on one, surchasted from G. A. Gil-lespie, Peterboro.





Reput States of the state of the states of t 

FARM AND DATRY



CUNSHINE shows things in their right colors. Se cheerfulness brings out the true colors of life. . . .

> The Second Chance (Copyrighted) NELLIE L. McCLUNG Author of "Sowing Seeds in Danne" (Continued from last week)

Pearl: the oldest daughter of John Watson, a O. P. R. section man in milford, Man., receives a sum of money and starts in to educate hereaft and the rest of the million of the starts of the starts of the starts of the starts of the into bad habits in town, suppression moving ing that her man all borchers are testing introduced to the children at a country school. Tom first to a farm. We are next by lud Petriks for striking tibby Ann Carvers. The Watsons again is its threshed education at the country school. At the Pioneers' Heine, Bill Gavers. father of Libby Ann, genes dramk and is found dead. Bandy Braden, the hotel keeper, deeply affected, closes up his saloon in consequence. Mr. Perkins plags his grain with Marthn, is in new with the bar fram. He saves home. Mr. Perkins 'daughter. Marthn, is in new with the bar fram the falls in with another of any Wennyes. Arthur is engaged to an English girl, who adglibboring 'farm. Arthur Wennyes Arthur is engaged to an English girl, who and falls 'roung man and they are married. The schoolmaster starts to clucate Marthn. Pearl, the oldest daughter of John Watson, a C. P. R. section man in milfo

#### CHAPTER XXX

ANOTHER MATCH-MAKER.

#### "Music waves eternal wands."

HE days went by pleasantly for the schoolmaster, who became more and more interested in Martha's strug-for an education. He spent many de of his evenings in directing her studies or in reading to her, and Martha showed her gratitude in a score of ways. Pearl was delighted with the turn events had taken, and before the month of January had gone declared that she could see results. Martha was learning.

There was one other person in the neighbourhood who was taking an interest in Martha's case and was deter-mined to help it along, and that was Dr. Emeritus Emory, the teacher of the Souris Valley. the music

teacher of the Souris Valley. Dr. Emory was a mystery, a real, live, undiscoverable mystery. All that was really known of him was that he had come from England several years and worked hefore ord as an linara before and worked as an ordinary farm-hand with a farmer at the Bran-don Hills. He was a steady, reliable man, very quiet and reticent. That

he knew anything about music was discovered quite by accident one day discovered quite by accuent one may when the family for whom he worked were all away to a picnic and "Emer" was left to mind the house. One of the neighbour's boys came over to borrow a neck-yoke. "Emer," glad the neighbour's boys came over to borrow a neckyoke. "Emer," glad to be alone in the house, was in the parlour playing the piano. The neighbour's boy knocked and knock-ed at the back door, but got no re-sponse. Finally he went around to the front and looked in the window to see who was playin, the piano and there sat "Emer," "rippin" it off by the yard," the boy said afterward. "the smashin'est band music you ever heard.

that "Emer" left the Soon after plough, and Dr. Emeritus Emory to teach music to the you le of the neighbourhood and the you

Jarding, his own affairs exasperated some of the women. There was no or why he left home. Mrs. George Steadman once indignantly exclaim rd, speaking of Dr. Emery: "You she's livin." Mit he's married, or if she's livin." Maybe she is, for all we went and asked. Is own so the and breaking the analog of the sheart of the lady of the bone Dr. Emergence. come were not to be passed by. If the music-teacher's way of get-ting his board and lodging was unique, he had also his own system of getting his laundry work done. Like all systems, it had it limitations; the united sectain understanding on

Dr. Emory was equally silent on



#### A Pleasant Home in old Quebec

This home-like place, the property of A. E. Curtis, a prise-winning farmer in Stanstand Co. Que, is rendered doubly attractive by the flowers and vince sur-rounding the verndah. Mr. Curtis' farm stood well up in the Farms' Competition conducted by the Quebec Government.

the happenings at the houses at which happened that the pair of stockings or stayed. Mrs. Steadman pointed to Mrs. Motherwell that "if the old lad wanted he could be real chatty, instead of sittin' around singin' his little fiddlin' toons. Here last week. when he came to give Maudie her leswhen he came straight from Slater's, son, he came straight from Slater's, and I was just dyin' to know if they was gettin ready for Edith's word, din'. We heard it had been put off, and so I asked him out straight if he saw much sewin' around, They were sowin' noins seed, says he. It were sowin' noins seed, says he. It may be a super straight straight set of the says the set of the says set of the says here. from no teach music to the young leave to him, makin' it as plain as people of the disbourhood and of could, 'I mean, did ye see any sewin' to how walks and thought thing in the line of sewin'? because nothing of none was where night found him, if he was half smart he'd see the home was a welcome guest at many a says. Did you see anythin' like sewing fire-ide. If he music-teacher's reticence re-he, thinkin' hard. I remember dissays to him, makin' it as plain as

the underwear that he left, quite by accident, in the room he occupied were returned to him on his next visit,

Dr. Emeritus Emory was not so

engrossed in his profession as to be

insensible to a good square meal and a well-kept room to sleep in, and so a chart of his peregrinations through

the neigrbourbood, with the meal-stations starred, would have been a surer guide to the good bread and butter mokers than the findings of the Agricultural Society which presumed every year at the "Show Fair" to pick

every year at the "Show Fair" to pick the winners, and any young man looking for a wife would make no mistake if he "followed the stars."

Dr. Emory seldom passed the Perkins home without stopping, and al-though he had no pupil there since

Edith left, he almost invariably plan-ned his pilgrimage so as to be there

ut nightfall, for a good supper, and breakfast and a warm wel-

were returned to him on his next visit, neatly wrapped in newspaper, but otherwise unchanged in condition. But Martha Perkins never failed him. On his next visit the articles he had left were always returned to him, washed, incode, and even mend-and works always asked as if ed, and Martha always asked. there were some chance of doubt, if they were his.

Although he had never thanked Although he had never thanked Martha for her kindness, Dr. Emory was deeply sensible of it, and many a time as he came walking down time as ne came waiking down the river-bank and saw the Perkins home, with its friendly smoke curling up through the trees, a lively feeling of through the trees, a lively feeling of pratitude stirred in him. He had a habit of talking to himself-gossip-ing, indeed, for it was only to him-self that he discussed neighbourhood matters or his own affairs.

0. 1012

"Martha's a good girl." "Martha's a good girl, he himself one night as he cam the long Souris hill, "a ver virl. She puts a consciention on the heel of a sock, quiet her Came trusive, like herself. 'n. marry. Twenty years from a Martha's not married she will b Martha's not married sne will b some . . . and gray . an I can see her, bent a little goo and patient, but when all alone quite sad. It is well to live and be free when one is young the world is wide the world is wide ... but is comes when one would like company—all one's own one who ... cares." The old man sudenly came

shouldn't,' and then he began to lift a little foreign toon, and I was good and mad, I can tell ye; but ye can't yet nothin' out of hum. He gits his livin' pretty casy, too, and he ought to be a little chatty, I think." self and loked around the bare oaks and willows ed the road. Not even to them he impart the secret of his But some vision of the past trouble him for he walked ly and seemed to be quite in the beauty of the scene aroun

the beauty of the scene aroun The setting sun threw long of crimson light across the bound valley and lit the win the distant farmhouse into fit white rabbit flashed across and disappeared in the brow and disappeared in the brown a The wind, which had blown all had ceased as evening approx and now not a branch stirred is quiet valley, over which the p shades of the winter evening reeping.

'It's a good world," he said ath as if trying to convince himself is full of beauty and music. 1 there must be another world over beyond the edge of things a world that is perhaps a little k and more just-it must be. it will be

A flock of prairie chickens ros of the snow almost at his feet flew rapidly across the river as over the other hill. His eye fol their flight-he loved those birds, who stay with us throu longest winter and whose stout storm can daunt.

Then softly he began to sin brave song of love and pain and during, a song that helped him the

lieve that; "Good will fall, At last, far off, at last—to all, And every winter change to spin His voice wavered and tremble first, as if it, too, felt the wean of the years, but by the time ke's sung the first verse all trace of neess had vanished, and he wea the other bank walking briskly sunging almost gaily. singing almost gaily. Thomas Perkins, doing his ev

chores, stopped to listen at the "ir as the old doctor came act white field, then he shook his and said: "By George, it's well him, not a blessed thing to

him, not a blessed thing to b him. It's great how easy some p get through the world." That night, after a warm su the old doctor sat in the cheerfu chen of the Perkins home and wa Martha suickle and defile do Martha quickly and deftly away the dishes. Humming self ar air from "Faust" no c Humming have thought that he was delib have thought that he was though contemplating doing a match-mak turn, but certain it is that his b was busy devising means of sugg ing to Arthur what a splendid was busy devising means of sug ing to Arthur what a splendid Martha was. There was this d ence between Dr. Emory and Watson as match-makers – Pear

ed the game perfectly fair, calli her aid such honest helps a her aid such honest helps a her aid such honest helps a spelling book and the pages of Woman's Magazine. The doctor, knew more of the devious path knew more of the devious path the human heart, chose other weat for his warfare.

(To be continued)

. . .

A man can give more than his l He can give willing service

at here The infa ily of the late ek appeared an i graine, all of who nee, did not forge rough safely. Sugar Cur

e ...

ten the meat i with salt and inht. t. Then p hams and , using the s th out for each salt, 2 lbs. brow Dissolve and cover the winter curin to boil th eary to boil the ins should remain eas; hams 6 to standard recipe a stof satisfaction. will kee The meat if it is

the flavor will A Wise W The .day of

using. What we would goods at a f this week is an a pen of Mr. Edwa ing how a Brant supplying good Br tomers in etting a fair pri lay 9, 1912 May 0, 1912.

irl." he s came Very Martha d rom no and

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#### Saved from the Wreck when the Titanic Sank

The infant here seen in his nurse's arms is the sole surviving member of the any of the late H. J. Allison, of Chesterville, Ont. In Farm and Dairy lass survey and an illustration of AK, and Mrs. Allison and their baby daughter, the discontinuous of the theory of the theory of the sole of the sole of the model on forget her small charge in that moment of peril, and brought him

The heaven that does not in some

#### Sugar Curing Meat

Sugar Curing Meat Be the mean is cooled, rub each with sail and allow it to drain raight. Then pack it in a barrel, the barms and shoulders in the the same same same same same the same should remain in hrine. Bacon without couring it is not me-my to boil the brine. Bacon and cover the meat with brine. And cover the meaks with brine and cover and has given the standard recipe and has given the sourd with seep after they are add. The meat will be aweet and table, if it is properly moked, the favor will be good.

#### A Wise Woman

The .day of "bargains" is The day of "bargains" is passing. What neople want is tood goods at a fair price. On page five of Farm and Dairy this week is an article from the pen of Mr. Edward Drier, tell-ing how a Brant county woman is supplying end good to have supplying good goods to her istomers in Brantford, and atting a fair price too. Read is article. It will interest





for a year.

Circulation Department, Farm and Dairy, Peterboro, Ont.



All we ask you to do in return All we ask you to do in return for this premium is to get us only one new subscriber to Farm and Dairy at only \$1.00



Now that May is here, how rice it will be for you to have The Canadian Horticulturist right avay and coming every meants to fell you how to de things to make your place orchard more profitable.

See one of your neighbors or friends right away soon about taking Farm and Dairv for a y=ar. Then send in his subscription, \$1.00, and we will send you absolutely without cost to you, The Canadian Horticulturist.

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Livestock, Machinery and Tools Widowd owces racrifect the fine New Tork farm. completely equipped. To astronomic tork for the second the special training they have bid along certain lines rathers to a strong wide the special training they have bid along certain lines rathers to a special training they have bid along certain lines rathers than for their evident Christian maple chade, sweeping view et valier, maple chade, sweeping view et valier, training they have bid along certain lines rathers than for their evident Christian maple chade, sweeping view et valier, training they have bid along certain lines rathers proved as assistants for our ministers. While good has followed these of the bid taken immediately, chance of a "Strout Farm Changes, failon 21, gase 6 among many church work, ceil a sproving to denery the church work weil as the bid the church for some one else, presumably more the strout farm Agency, failon 24, for some one else, presumably more



#### \* Deceiving C The Lipward Look

But be ye doers of the word, and not hearers only, deceiving your own selves.-James i., 22.

In these modern days there is a growing tendency, in all lines of en-deavor, to specialize. Great factories manufacture only some one or two special lines of goods. In their emmanufacture only some one or two special lines of goods. In their em-ploy are hundreds of men who know how to operate only some one simple piece of machinery. Their lives are devoted to this one line of work and their resultant proficiency makes them more valuable workmen than otherwise would be the case. thair

The same influences are transform ing our farming operations. Year by year we are hearing more and more of special dairy farmers, of farmers who do nothing but grow fruit, of armers who devote their attention to the breeding of horses or to raising crops of one kind or another for which their land may be peculiarly adapted.

Even our churches are now being invaded. In many of our large city invaded. In many of our large city churches paid soloists are replacing the old time voluntary choirs. Teach-ers in the Sunday schools are often noicked for the special training they have had along certain lines rather than for their evident Christian graces. Desconesses are being em-



No more deadening spiritual fluence could creep into a church into the life of any Christian. religious duties are the one thin which we cannot leave for any on thing else, no matter how capable, to at-tend to for us. Whenever we do we deceive ours

In Prof. Henry Drummond's great work, "Natural Law in the Spiritual World," he has shown that there is a law by which it is ordained that if we law by which it is ordained that if we have a power or faculty and neglect to exercise and develop it we imme-diately begin to lose it. Thus were we to the our arm behind our back and we to the our arm behind our back and leave it there, week after week, our arm in time would become week and useless. It would not be any were we to employ some one delecto exercise their arm for us. And would deteriorate just the same. And so it is in all spiritual matters. It makes no difference how able our minister may be, how well trained the choir is, how efficient the Sunday school teachers are or how much money our church may be giving to home and foreign missions. If we ourselves are 'regularly studying God's word and praying earnestly to Him from our hearts for help and guidance each our hearts for help and gunance escen-day, if we do not join heartily in the service of praise to the best of our ability, poor as it may be; if we do not show our Christian love by speak-ing to and shaking hands with those around us in church and being ready to help willingly in any church work when asked and if we do not contri-bute to the funds of the church to whatever extent our whatever extent our means permit, then have we become hearers of the word only and not doers, and we are word only and not doers, and we are decoiring ourselves. Love must abound in our hearts both towards God and man, and when it does we will use joyfully those powers which God has given us. Then a new realization of God's love will come to us as we strive to spend and be spent in his service.--I. H. N.

#### ...

#### Electric Light for the Farm

Taking the average of summer and winter days, artificial light is needed, in the majority of homes, not more than four hours a day. This is for the kitchen and living room; in bed-rooms it is needed not more than two rooms it is needed not more than two hours: a day. For the whole house, and for the barn, an average of three hours a day for each lamp would seem to be ample, and five lamps will afford much more light than now suffices for all the purposes of the formational. farmstead

If the householder, then, can vest himself of the idea that, if introduces electric light at all, must have clusters or festoons he flashing bulbs all over his premises; and if, in addition, he can-through cooperation with his neighbors or otherwise-secure "current" at a cost no greater than that at which it is supplied in most Canadian towns, then the electric light and the second second be within his reach at the momentary ly small expense. Where mparative-ly small expense. Where mparative-its the second second second second second statistical second second second second the purchase of bulbs, the cost of which is so small as to be within the means of almost any householder. Recent lests at the Colorade Exno greater than that at which it is supplied in most Canadian towns,

Recent tests at the Colorado Ex-

May 0, 1912.

May O. T

Well

THIS

D DAIN. the Colorado experiment were of candle power; the cheaper 16-ca power is ordinarily used in cit Five lamps would cost \$20.80 a y

Few improvements in the hom Few improvements in the home a attended with so much satisfaction that which comes from the subju-tion of the brilliant and conven-electric light for that afforded by kerosene lamp. In the barn the electric by and convenience of the electric by as compared with the old-time lame win instantaneous appreciation. great are its advantages, that m well-to-do farmers have, at a cost several hundred dollars, installe plant for the production of the nee current for their individual use ak current for their individual use also and now regard the light as information pensable. What they have gained dividually would seem to be with the reach of any community of far ers through cooperation. .



Grind the meat well, and put plenty of fat, making it fat enou to "fry itself." To one calles to "fry itself." To one galen to "fry itself." To one galen ground meat add two heaping tuk spoonful sof ögarse salt, one teaspon ful ground Llack pepper, and ak one-half to one teaspoonful of pi verized sage. Red pepper may used instead of black, if you pre Mix theremether Mix thoroughly by kneading in a large pan or tub. Then pack don as solid as possible in stone jars for immediate use. Always grind bei seasoning.

#### SCRAPDT .

Skin the head and cut off th jowls. Cut up the head, remova the eyes, ears, brain and tongs the eyes, ears, brain and tong Place the bony pieces, tong hearts, livers and other meaty scap into a large kettle out in the me and boil until the meat all fails of the bones. Take out and cool a the bones. Take out and cool as grind with sausage mill, using as a small portion of the liver. Sau the liquor. After grinding the me return to kettle with the liquor is add some water, bring to boil as sir in corn meal, as if making ma until it thickens. Season to tas After cooking an hour or so pour a in pans to cool. It may be served es In pans to cool. It may be served on or with vinegar, or sliced and fin All bloody portions of meat must allowed to stand in salt water on night before first cooking.

#### MINCE-MRAT

Six pounds of ground mest, pounds of chopped fresh apples, e pounds of enopped freen approx, quart of grape juice, one quart a strawberry juice, three pounds of cu rants, two pounds of seeded raisis two quarts of canned strawberries (s other rich canned fruit), one bes namon and cloves, one large nutm grated (or two small ones); sweets grated (or two small ones); seese to tasts with granulated sugar. So all the ingredients together, and too dry to Loil add more of the fu-juice or a pint of boiled cider, and small quanaity of water. Heat juice or a pint of boiled cider, as small quantity of water. Heat boiling, and boil five minutes, et ring carefully to prevent scorely seal in glass cans while hot as will keep indefinitely. When as ing pice and one tablespond of he on extract of a kamon juice to each a One quart of this mine-meat at make four ordinary-sized pics.

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#### MONTON AND ickets will also w via Sarnia at

Through Pullman ted in con leaving 7 NO CHAN

Full particulars rand Trunk Agent istrict Passenger pronto, Ont.



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May 0, 1912.

Well; Well!

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off th remotia d tongu tongu aty scrap the yar the yas 11 falls d cool and using only er. San er. Sa iquor a boil an to task pour of rved col and frie



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#### ASE FOR HOMESEEKERS' PAMPHLET Apply to assarest C.P.R. Agent of K S. MURPHY, Dist. Pass. Agt., Tate MLY DIRECT LINE NO CHANGE OF GARE

FARM AND DATRY

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Vincent's Health Hints

Proper vs. Improper Eating

While not a thing of the highest importance in the plan of life, eating holds a strong position in the mind of most people. As a rule, people

Importance in the plan of the, eating holds a strong position in the mind of most people. As a rule, people think they know how to eat all right; their great trouble is to find the right things to eat. But the fact is if we really knew how to eat, we would not need to pay half as much attention to the things we take into our mouths. And yet, you tell a man he does not know how to eat his food, and he will flore up and perhaps say you are a big fool; still, I am going to venture ii, even if I get licked for doing it. Very few people do know how to take food properly. If they do, they have a wonderfully poor way of showing it. Not so many months ago I sat down

Not so many months ago I sat down a big city restaurant at dinner

What Every Country Home Should Have

A full equipped bathroom in the coun-try home is more fully appreciated in the winter than at to ther season of the year, especially by the systematic, tactful campaign for one in your home?

They had strawberry short-

time. They had strawberry short-cake. It was good, no mistake about that, and it tasted good to all of us. But some of the men there just swal-lowed it whole. One man in particular took the biggest mouthfuls of any man, its biggest mouthfuls of any man, its state of the folks were about as bad. They did not chew their vic-tuats

No wonder we have appendicitis and all sorts of bowel troubles. And farmer folks are about the same. We

Tarmer folks are obset foundes. And come in from our work, sime W. hungry. Food tastes good and are just mow it away-bread, potatoes, meat, pie, cake, hot coffee or tea, and ice cold water. Then we get right up and go to work again, no time to give the food a chance to digest. The end is sure. For a while we can stand it, but the day comes when we have to step up to the captain's with have to step up to the captain's of time to eat. God help us to learn how to eat! How shall we do it? Use common

in a

time

(21)

SPECIAL PATTERN SERVICE

We realize the great interest that all of our readers take in the new spring styles, and have interefore made arrangements whereby we will be able to give many more barefore made arrangements whereby we will be next few weeks. These will allor arrange of the attractive spring styles. Should you with patterns other than see more in Farm and Dairy from week to week write us and we'll do our bust to give them for you. When ordering patterns kindly be sure to give name and dairy, feeterbore, O and desired. Address Pattern Dept. Farm and Dairy, Testerbore, O and

a Genred, Address Fattern Dept., Farm and Dairy, Feterboro, Ont. CUTAWAY COAT, 7382

is always jaunty in effect and conse-quently it snite nd conse it quently it suits young girls and wo-men of girlish fig-ures peculiarly well. This one is finished with a distinct point and such finish is new and smart. The coat is semi-fitting and takes the straight lines that

straight lines that are so essentially smart this season. For the 16 year size will be required 3 38 yards of mate-rial 27, 214 yards 36, 2 yard, 44 or 53 inches wide with 1.2 yard 21 for collar s of banding to trim ront view. ......

as shown in a front view This pattern is cut in sizes for misses of

and cuffs

ARTIN

14

..

STRAIGHT

For the 16 year size will be requir-ed 31.4 yards of ma-terial 27, 21.4 yards 36 or 44 inches wide:

material

in and 15 years of max. If and 15 years of max. TUCKED SHIRT Wars, 726 The turched shirt waist is always an swart one. This model can be made wars one of the smart one of the shown in one of the smart wars. If feminine as the track of mark is always and the track of mark is a symbol is always and the track of mark is a symbol is always and the track of mark is a symbol is a symbo

This pattern is c in sizes 34, 36, 38, and 42 inch bu hmai

closed at the center, beneath the box hor

plait. For the 6 year size will be required 3 yards of material 27, 21.2 yards 36, 2 yards 44 inches wide with 14 yard of banding to trim as shown in the large view, 3-8 yard of all-d of banding to tails

The series of the second of th view, se yard of all-over lace and 34 yard of banding to trim as shown in the small front view, 8 yards of braid to trim as shown in the back

This pattern is out in sizes from 4 to 8

TUCKED BLOUSE, 7378 The shirt that is tucked vet includes a plain yoke is a very new one, very attractive and susceptible of many variations. This model is one of the prettiest. It inthe prettiest. It in-cludes the new sleeves that are tucked and joined to cuffs and which can be made in either full or three-quarter length. the medium For

For the medium size will be requir-terial 27.254 yards of ma-terial 27.254 yards 37.14 yards 64 inches wide with 34 yards sertion and 113 of edging for the frill. This pattern is cut in aizes 34 to 48 bust. TWO-PIECE SILUT. 107

Nothing is smarter this season than the skirt that gives a tunic effect. This one is unusually grace-ful. It is made in is unusually grace-ful. It is made in the favorite two-piece style but there are inverted plaits at the sides that provide freedom in walking and which suggest the shashed effect at HY

the slached effect as the skirt is closed. For the medium rial 27, 56 or 41 indices wide for the upper portion, 514 yandakes wide for the lower odge is 312 yands. Typards when the plaits are laid. This pattern is cut in sizes 24, 26, 28 and

BELTED SEMI-PRINCESSE DRESS, 7385 No dress is more fashionable nor bet-ter liked than the one that is made in



For the 16 year size will be requir-ed 5.58 yards of ma-terial 27.4 yards 36, 3.1-2 yards 44 inches wide with 3-4 yard 27 for the trimming. This pattern is out in sizes for misses of 14, 16 and 18 years of age. of age

#### . . .

Remember that there is something to be considered besides pattern in the fabric of life. There is fiber.

#### . . . Pa's Way

Say, my grandma's coming, And you can bet I'm glad, 'Cause she's the bestest one A fellow ever had.

For when Pa scolds at me, And wonders why I'm bad, Grandma just smiles an' says, Same ways your father had.

And Pa's face turns so red, But he don't dare get mad, 'Cause he knows Grandma knows The kind of ways he had.



This pattern is cut in sizes for misses



40

GIRL'S DRESS, 7373

The yoke dress is The yoke dress is always a pretty one for little girls. This one is quite novel, for the yoke is clos-ed at the left side of the back while the dress itself is

plait.

FIRST ANNUAL BEAUMARNOIS SALE

(22)

First ANAUAL BEADMARNUS SALE As announced by advertisement else-where in Farm and Dairy this week, the Beauharnois Live Stock Breeders' Asso-ciation will hold their first annual sale on the 44th of June. A save be noted from the announcement, this sale will be a big search. a big event

a big event. A spin-add selection of stock has been consigned to the sale. Fractically every breeder in the list of consigners is well-known to Farm and Dairy readers, who ean depend upon these men to put in the sale stock, the best they have, which will maintain their reputations as breed-

From the information to hand it appear From the information to hand it appears that in this sale will be the most valuable collection of animals that has ever come under the hammer in Canada. The con-signers of stock in this great sale are: Avrshires

P. D. MoArthur, Cherrybank Farm, North Georgetown, Que. Hector Gordon, Stonehouse Farm, Ho-

FARM AND DAIRY

D. M. Watt, Stockwood Farm, St. Louis D. M. Watt, Stockwood Farm, St. Louis Station, Que. S. A. Clohand, Maphehill Farm, Hem-mineford, Que. Biation, Communication, St. Louis Station, Communication, St. Louis Station, Point Round Farm, Bryson-ville, Que. Duncan McEwen, St. Louis Station, Que. D. Ness, Edgewood Farm, Howick, One.

D. T. Ness, Burnside Farm, Howick, Que. E. R. Ness, Burnside Farm, Howick, Que.

J. P. Cavers, Ormstown, Que. John Logan, Sunnyside Farm, Howick,

John Logan, BBanger Button, Que, Marziane, Kelso, Que, Maxilian and Leggat, Springburn Parm, McMillan and Leggat, Springburn Parm, Trout River, Que, Rolsteins Trout River, Que, Springer, Springer,

Drmstown, Que. D. H. Brown, Millbrook Farm, Beith.

Que. J. J. Alexander, Lanton Hill, St. Louis J. J. Alexander, Lanton Hill, S., Station, Que. J. McRae, Howick, Que. J. J. Tannahill, Kensington, Que.

#### Horse

Horses J. Ness, Howick, Que. M.Cormick, Brysonville, Qu G. Greig, Brysonville, Qu One.

May 9, 1912.

# May 0, 19 ROI STEIR

C. Hallman shis imputo. this issue, buils, goo ing, such a r. Farm an od bulls wil

a Rice, Secr Holstein Bro Dairy that to ment sale of June admontising

LYNDEN H Landan are making s are making have few e herd is hea Nigger Korn Glaser, mad and tested sister Lucrat

r in one week Lulu's dam 16.49 lbs. b de 16.49 lbs. b ed 3.8 per cen 1 her full siste 8 lbs. butter, ' u's only daug r, made 23.03 per cent at to

per cent at to largest recorre-ada. Nigger's side that i en Anne Teaka iteated 4.2 per oths, and Spin butter and to wo yrs, three w something nonths we have a sout of 11 fe following reco-potted Lady D Spotted Lady D 16 lbs. milk; ave time of calving pord-106.40 lbs. 10 per cont fat, 10 glaser-25.7, 18; ave. per cont calving, 6 yrs. 15 lbs. butter; 15 15 lbs. butter; 15 15 at, 4.06; age is that.

tajje Posch I iontajie Posch I ; 6224 lbs. milk; e at time of calv y record-65.50 1 lk; ave. per cent calving, 2 yrs. 1 iscretia Borgia-... milk; ave. per se of calving, 6 ed-61.50 lbs. butte caret for 1 201.

cent fat, 3.91; 1 w. 8 mths. mes Evergreenmilk; ave. per of calving, 3 rgreen-17.81 lbsper cent fat, ing, 2 yrs. 7 mt butter; 1406.7 lb 194; age at tin

ageline 2nd-2 fat; ave. per cer calving, 8 yrs. 6 outsje Posch Me



Decide that you'll no longer labor under a handicap at having time. Secure the services of these

This Year

**Own These** 

Haying

Helpers

Frost & Wood Haying Helpers-Giant 8 Mower and Tiger Auto Dump Rake. For twenty years and more these efficient having implements have saved time, money, labor and horseflesh for thousands of progressive Canadian Farmers. Think of the next score or more having seasons.

#### Frost & ood **Giant 8 Mower** Tiger Rake

The Frost & Wood Giant 8 Mower is not merely a "fair-weather" machine. It's right there with the power and cutting ability when other mowers are apt to fall down. Full it to work in a heavy or tangled crop and watch how easily it handles the job. You can start it anywhere in the field and the knives will begin cutting the instant the horses move forward. "Flying starts" are not necessary.

The Giant 8 has great driving power because of the simple and compact arrangement of the gears. Smoothof large roller bearings. The cutter bar is protected against wear by steel plates. Large bearings—not pins are used for the connection between cutter bar and main frame.

At every point, in its construction, is put the skill

and knowledge gained in over 70 years' experience in building farm machinery to meet Canadian conditions.

The Tiger Automatic Dump Rake is the best sulky rake made. It has given satisfaction for many having seasons. The teeth are shaped to do the most efficient work. They are made of a special grade of steel, that has proven by test, the best adapted to withstand heavy work and severe usage.

Strongly constructed throughout, is the Tiger Automatic Dump Rake. It is a rake that will pay you large dividends of satisfaction at having time. When large dividends of satisfaction at naying time. When you require anything in the way of farm equipment remember our agents can supply your wants. We have catalogs describing and illustrating the different lines: they are cheerfully mailed free for asking. Let us send you one to-day.

or more after calving: a list of o have produced 4 has of butter a t their records a lise of 246 cores 100 has. of butter in 50 d.756. The lists are arranged in the order height of the tests with a record of 358 butter for seven days, the dim at the butter for seven days. This dim at the butter for seven days. The butter of 37.007. Butter at the seven dim at the butter for seven days. The butter of the butter for seven days. The butter of the butter for seven days. The butter of the butter of by Pontiac Conductor butter of the butter of the provide the butter of the butter of the butter of the provide the butter of the butte

ay 0, 1011 May 0, 1912.

list of come 346 5 de. 346 cows 0100 These he order of a ontine Pet has rd of 37.57 hs.a ing closely fon DeKol 2nd v animals are in Ibs. of by Much othe ren, inelas

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The three May One with a record iven, in

e Rice, Secretary of the Oxford Dis-Holstein Breeders' Club, writes Farm Dairy that the club will hold a con-gent sale of High-Class Holsteins at odtock, June 12th, 1912. Particulars be announced later in Farm and by advertising and reading columns.

HOLSTEIN-FRIESIAN NEWS

Term and Dairy is the official organ The Canadian Holstein - Friesian Inscitation. all of whose members ar meders of the paper. Members of a sasciation are invited to send tems of interest to Holstein breeders er publication in this column.

this impo announces for sale He

a this issue, announces for sale Hol-a buils, good ones in quality and ding, such as should please any cus-er Farm and Dairy readers in need wod buils will do well to see these in-

beginning

C. Hallman, of Breslau,

LYNDEN HOLSTEIN RECORDS LINDER HOLSTEIN RECORDS for lynden berd of high-testing Hol-ma are making good records, and as a law of we equals and no auperions. I have in a setula and no auperions. I have in a setula and no auperions. I have in a setular berg in the data, and toxicd 475 per cent fat. Here instructured Horizan and 191 hbs. prin one week and tested 436 per cent Liniv dams. Kanit be Beor Srd, de 1.5 per cent fat at four yawas old, de 1.5 per cent fat at four yawas old, de 1.5 per cent fat at four yawas old, de 1.5 per cent fat at four yawas old, de 1.5 per cent fat at four yawas old, de 1.5 beiter, bosted 436 per cent fat.

b) be butter, tested 4.34 per cent fat, g's only daughter, Boutaje Poech De r, made 23.05 lbs. butter and tested per cent at two years 11 months old, largest record two-year-old living in the Nimeria only transition of the second input record two-year-old living in sals. Nigrefs only two sisters on sis did that have been tested are see alson Tasks Lady, 34.6 bis. butter that and pinkfe Argunt Dalay, take butter and tested 3.67 per cent fas the ran dispinkfe Argunt Dalay, take inter and tested 3.67 per cent fas the ran dispinkfe Argunt Dalay, take the second pinkfe Argunt Dalay, take the second pinkfe argunt Dalay, take the second pinkfe argunt Dalay argunt with a second pink argunt Dalay argunt with a second pink argunt with a second pink argunt argunt Dalay argunt argunt argunt Dalay argunt argu

fellowing records: totted Lady DeKol-27.35 lbs. butter; ibs. milk; ave. per cent fat, 4.30; age ims of calving, 11 yrs. 8 mths. 30-day rd-105.40 lbs. butter; 1.43 lbs. milk;

time of eakling, 11 yrs. 8 miths. 30-day sol=106.0 Hb. bitter; 1:43 Hb. millik; s per cent fat, i97; age at time of ring; 11 yrs. 8 yr.ths and Giaser-35.7; Hb. butter; 431.2 Hb. Hr sev. per court fat, 479; age at time alring, 6 yrs. 7 miths. 30-day record-al Hb. 405; age at time of calling, 6 yrs.

atha. Sotaje Posch Do Boer-23.63 lbs. but-; 42.4 lbs. milk; ave. per cent fat, 4.36; s at lime of calving, 2 yrs. 11 mths. 30-p record-85.60 lbs. butter; 1855.9 lbs.

rescand of callenge 3 yrs. 11 acress, 25 yrs. prosord-850 has. butter; 1555 has. Bi are per cont fat, 3.69 age at time awhing 3 yrs. 11 mtha. sweeta Borgin-21.91 has. butter; 401.6 and a string 4 yrs. 6 mtha. 30 day re-seat fas butter; 1644 liss. milk; are; awhing has butte

es Evergreen-21.34 lbs. butter: 500.8 pres Freergreen-21.34 lba butter; 560.8 mill; ave per cent fat, 340; age at as of calving, 3 yrs. 8 mils. Agness mpreen-18.4 lbs butter; 359.3 lbs. milk; A per cent fat, 4.30; age at time of ming, 2 yrs. 7 mils. 30-day record-9.39 butter; 146.7 lbs. milk; ave. per cent 1,34; age at time of calving, 2 yrs. 7

mangeline 2nd-20.78 lbs. butter; 382.8 fat; ave. per cent fat, 4.28; age at time calving, 8 yrs. 6 mths. southing Posch Mercedes-19.48 lbs. but-

"From Ohio's Most Reliable Holstein Breeder"

r; 500.7 lbs. milk;

ser; 509.7 Ha. milk; ava. per cent fat, 311, are at these of salving, 4 yrs. Countes these of salving, 4 yrs. For the second she being a daughter of Spottel Lady De Kol and a grand-daughter of the famous Boutaje Q. Pietertje DeKol. She is a fine large heiter, and will be heard from when she gets fully developed.-8. Lemon, Lyn-den, Ont.

#### THE MANOR FARM HOLSTEINS

he has been making during recent years, and the natural increase of his herd has put Mr. Gooderham in possession of up-wards of 100 registered pure-hred Hol-steins, which he now has in his stables. "The best is none too good" seems to have been the moto of Mr. Gooderham in hidden we has been and as a wealth he

have been the motio of Mr. Gooderham in building up the herd, and as a result: he has a great much and as a result: he has a great much and a second and a second breeding. During this past of the richest breeding. During this past of the Work Short he purchased several top-potch Holstein females and added these to his already fine herd. Some interesting facts about these individuals will be anounced week by week in Farm and Dairy through Mr. Gooderham's advertisements. Gooderham's advertisements

Gooderham's advertisements. High testing Holsteins are the specialty being developed by Mr. Gooderham. His recent importations are from the special for their high testing qualities. Amongst others in his herd, noiveworthy because of the high per cent of butter fat contained in their mulk, is the cow Cairnogrow. Aggre, a helfer that has given as high as 4 Has, of 4.2 per cent milk in a day: Oalamity Starlight Butter Girl, the world record cow for threeday production, which Ominanity Sharlight Butter Giri, the world record cow for three-day production, which cow in 1930, at the Guelph Winter Paris Dairy Test, made over 21 ble. butter in three days, this being over four pounds of butter a day, her milt tested 55 per cent butter fat, this being her average in this public test.

public test. Since 1996 this herd has been headed by Prince Hengerveld of the Pontiacs, the splendid individual, of rich breeding, as illustrated in Mr. Gooderham's advertise-ment in Farm and Dairy this week. Some excellent young stock from this buil and out of record cows Mr. Gooderham is out and out of record cows Mr. Gooderham is of fering for sale. Breeders and prospective breeders of Holstein cattle will find them selves well repaid for any expense they (Concluded on page 25)

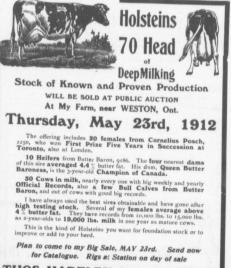


3.4

695

Farm labour is scarce. Wages are high. All the more need for a Barrie Engine. Soon pays for itself in time and labour saved. Grinds grain, shells seed corn, pumps water, cuts straw, threshes beans, saws wood, drives churns, separators and washing machines. Does many other things too.





THOS. HARTLEY, Downsview, Ont. (Two Miles from Weston, Ont.)

T. H. RUSSELL, Geneva, Ohio, U.S.A.

## The Event of the Season in National Holstein Circles Decoration Day, Russell's Annual Sale May 30,1912 100 HEAD ==Special Features ===== 100 HEAD

Every head a female, either officially tested or daughter of an officially tested cow. All absolutely guaranteed without a blemish, and every one a breeder. This is your opportunity to improve your herd or lay a sure foundation for future dairy prosperity,

WRITE FOR CATALOG

#### HOLSTEINS

Homestead Holstein Stock Farm Offers Sextra good Bulls, fit for service, of choice type, color and breeding. The sire of one is a son of Pontiac Hermes, and his dam is a grand-daughter of Brookbank Toronto, Monday, May 6th.-The situa-tion in business circles improves every day. Trade for the season made a slow start, but the volume has increased rapid-Butter Baron. Also, 10 choice Yearling Heifers, all of

Also, i. ding B. R. BARR. . HARRIETSVILLE, ONT.



cows sired by th \$2000 Bull King Pontiac

37 BROWN BROS.

Artis Canada

LYN, ON T

the rise

**Bull Calf for Sale** 

po together. The biggest feature of the farmers' trade this hast week has been the increas-ed evidences of the scarticy of cattle. Some dealers were predicting larger sup-plies later on and lower prices, but there was nothing in this week's trading to indi-cate dealing prices for a month or two at least. Wheat and coarse grains are strong and hay and straw decladels coon of King Segis and Pontiac Pet, I's champion butter cow. her Calf, whose dam is a daughter ntine Korndyke, and has given 108 milk in one day. A. A. FAREWELL, · OSHAWA, ONT

WHEAT issue when these advanced three cents since last writing, and this in spite of the fact that the week has been reason-ably free from damaging eroor reports. The world situation is strong. No. 1 Northern is quoted at \$1.8, No. 2, \$1.15; No. 3, \$1.15; Manitoha feed wheat, Tac to No. 3, \$1.15; Manitoha feed wheat, Tac to no. 4, \$1.15; Manitoha feed wheat, Tac to a \$1.15; Manitoha feed wheat, Tac to a \$1.15; Manitoha feed wheat, Tac to a \$1.15; Manitoha feed wheat, Tac to normatic the price quoted is \$1.25; Manitoha COARSE GRAINS There is a quiet steady trade going N.B. Having sold all my yearling buils, I am now going to offer the young son of Disone's End Lulu, the Dam of Lulu Keyes.

He is 3 weeks old, light in color, straight and well formed. Price \$125.

E. B. MALLORY FRANKFORD - -ONTARIO

# Minarki, Yang Drive quotes in state to these. Three is a Quote standy trade going in coarse gra Quito standy trade going in coarse gra Quota standy trade going demand at a dranced prices. Conv. too, it quotations are no follows: Barley, making, Stor 508; reds, 650 to 700; coast, No. 1 feed, 351 dec, Ontario coats, No. 2, 460 to 950 outside, 550 to 350; ress, 352 to 500 to 950 outside, 550 to 350 ress, 352 to 500 to 500 outside, 550 to 350 ress, 352 to 500 to 500 outside, 550 to 350 ress, 550 to 500 to 500 outside, 550 to 500 ress, 550 to 500 to 500 ress, 550 ress, 550 ress, 550 to 500 to 500 ress, 550 ress, 450 ress, 550 ress, 550 to 31.05 ress, 550 ress, Ourvilla Holstein Herd

Present offering-Ball Calves, five months old and younger, from our great bull, Dutchland Colantha Sir Abbekerk.

EDMUND LAIDLAW & SONS, ELGIN COUNTY. AYLMER WEST . ONT.

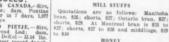
#### AVONDALE FARM HOLSTEINS Yorkshire and florned Dorsets A. C. HARDY - Proprietor

SERVICE BULLS

KING PONTIAC ARTIS CANADA.-Bire, King of the Pontiacs; dam, Pontiac Artis-31.7 lbs. butter in 7 days, 1,077 lbs. butter in 365 days.

108. Outfor in 306 days. PRINCE HENGERVELD PIETJE. - Sire, Pietje Zinds Woodcread Lad; dam, Princes Bengerveld DeKol - 33.64 lbs. butter in 7 days; highest record daugh-imperial English Yorkshires from Pric-vinning stock, and all ages, for sale. Address all correspondences to:

H. LORNE LOGAN, Manager, Brockville, Ont.



Wholesale quotations ren

Wholesale quotations remain unchanged. Strained honey is 10c to 11c in 60-lb. tins, 11c to 12c in 5 to 10-lb. tins; buckwheat honey, 6c to 7c in tins, 5.3-4c in barrels. No. 1 comb honey is \$2.25 to \$2.50 a dos.



Will be sold at Public Auction at Lyndenwood Stock Farm, Nober, Ont, (Norfolk County) Wednesday, MAY 22, 1912

#### The Offering includes 15 Registered Holstein Friesians and 10 High-Grade Holsteins

Nearly all of the pure breds are either fresh or with calf to Gano's Faforit Butter Bey 654, who is also offered in the sale. His dam Sherwood Gano has a record of 17,60 lbs. milk and 821% lbs. butter, at 12 years old. All of the Pure Bred Females are in the Record of Merit or out of Record of Merit stock with records ranging from nearly 18 lbs. for two-year-olds to 2342 lbs. a mature cover.

of Merit stock with records ranging from nearly 18 lbs. for two-year-olds to 23.42 lbs. as mature cover, and the stock of the cover of the three very of the very stock whose official record is nearly zights. It have a cover of the cover of

Trains will be met at Townsend and Hagersville on day of sale. TERMS: Cash or six months credit to responsible parties at 6% interest. W. J. BAILEY, Prop.

Nober, Ont.

Welby Almas, Auctioneer

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#### FARM AND DAIRY \_\_\_\_\_\_\_

MARKET REVIEW AND FORECAST

start, but the volume has increased rapid-ly of late, and is well up to normal. Busi-ness in the west is improving in spite of present adverse conditions. Western men are already beginning to look forward

present adverse conditions. Western men are already beginning to look forward to the new crop. Seeding will be somewhat late this spring, but that need not have any detri-mential effect on country retail trade. The experience of years goes to prove that late seeding and small erops do not necessarily go together.

strong and hay and straw decidedly on

WHEAT

# MARKET KEVIEW AND FUKECASI

HIDES AND WOOL. The market for hides is steady at h The market for hides is steady at last week's prices. Prices paid by country merchanits are: Hides, cured. Ho to period the steady of the steady of the hair. So: carf skins, 150 to 125, horse hair. So: carf skins, 150 to 126, No. 2 Hides, No. 3, 101-30; carf skins, 160 to 150, 131-30; washed, 18 guoded at 121-30 to 131-30; washed, 18 guoded at 121-30 to 131-30; washed by 18 guoded at 131-30 to 131-30; w

BAT AND SIKAW Farmers are busy nowadays and even the high prices that prevail for hay will not draw them off the land. This, coupled with a strong demand from United States points, has advanced hay prices consider-ulty functions have are as follower. points, has advanced hay prices consider-ably. Quotations here are as follows: No. 1, 830; No. 2, 81569 to 815; No. 3, 843 8430; clover, mixed, 81489 e. 9816, 99, 844 baled, 811.60 to 812.5). Retail price as follows: Tmothy, 831 to 851; olover any to 819; straw, bundled, 837 to 836; price straw, 838 to 819. At Montreal the hay market continues active, both American and Canadia hurcan hear huse. Duo. straw, so to market continues active, buth American and Canadian hurors being busy. Quo-tations are as follows: No. 8, \$17 to \$19; No. 3, \$16 to \$15.50. SEEDS Billow seed at the follow-blics seed at the follow-

Merchants are selling seed at the follow Merchanta are selling seed at the follow-ing prices: No. 1 red civer. Government standard, 816; No. 2, 815; timothy, No. 1, No. 1, 8126, No. 2, 816; timothy, No. 1, No. 1, 8126, No. 2, 816; 100, 822.06; Dealers pay, the following prices to farm-ers: Hed civer. No. 1, 813.59, No. 2, 812; No. 3, 811; adding, No. 1, 816; No. 2, 8729; No. 5, 100, AND, No. 2, 812; No. 5, 811; adding, No. 1, 88; No. 5, 812; adding, No. 2, 812; No. 5, 811; adding, No. 2, 812; No. 5, 812; adding, No. 5, 812; No. 5, 812; adding,

EGGS AND POULTRY

Receipts BGGS AND POULTRY Receipts of eggs are liberal, but prices maintains of eggs are liberal, but prices demand, which is text, due to the strong demand, which is text, due to the strong prices of other food produce to the high prices of other food produce to the strong retu warmer, and will continue to do so as long as wholesale dealers pay the same price for stale eggs as for fresh. New lide eggs are quoted at 22 to 25a. In the retuil trade they bring 22 to 25a. At Matureat the market is reported easier are now prices are looked for. Buyers are now prices are looked for dealers wholesale quotain the country.

Wholesale quotations on dressed positry are: Chickens, 15 to 10°; fowl, 15 to 15°; turkeys, 21 to 22°; ducks, 12° to 16°; geese, 15° to 16° on the farmers' market chickens sail at 36° to 35°; fowl, 15° to 15°; ducks, 5° to 25°; geese, 15°; to 15°; ducks, 5° to 25°; to 15°; to 15°; ducks, 5° to 15°; to 15°; to 15°; ducks, 5° to 15°; to 15°; ducks, 5° to 15°; to 15°; to 15°; to 15°; ducks, 5° to 15°; to 15°; to 15°; ducks, 5° to 15°; to 15°; to 15°; to 15°; ducks, 5° to 15°; ducks, 5° to 15°; to 15°;

POTATOES AND BEANS There is no change in the potato situa tion. Ontario potatoes are quoted by wholesale dealers at \$1.80 in car lots and \$1.90 out of store; Delawares, \$1.90 in car lots and \$1.90 out of store; Delawares, \$1.90 to \$2; English and Irish potatoes, \$1.80 out of store and \$1.60 in car lots. At Montreal

supplies are light and readily taken up at 81.75 to \$1.80 in car lots. Prime beams are quoted here at \$2.60 to \$2.65 and hand yieked \$2.70 to \$2.75. At Montreal three-pound pickers are \$2.50 to \$2.55 \$2.65 and

82.55. DAIRY PRODUCE

Dairy produce is one the downhill road novadays. Receipts of both creamery and dairy butter have greatly increased in a short time. Dairy boards all over the short time. Dairy boards all over the country are opening and consumers at least are welcoming the period of lower prices. Quotations in Toronto this week are: Dairy prints, Sie to Sie to Sie and inferior, Ele to Ele. In cheese old twins are quoted at 11/4 to 17/3ce; large, fir to 15/4c; new twins, 15/4c to 15/3c; large, 63/4c to 15/3c;

#### HORSES

Heavy drafters are the ones that are wanted nowadays, and there is practical-ly an unlimited market for first-class ani-mals in this line. Western dealers are paying \$200 to \$350 for choice heavy draftpaying \$200 to \$350 for choice hawy drait. ers and \$175 to \$220 for that once. Ghoice animals of medium weight go at \$250 to \$300: fair, \$170 to \$220; arrivaltural, good, \$150 to \$225; fair, \$100 to \$150; dollvery horses, \$150 to \$200; drivers, \$150 to \$200 and saddlers, \$150 to \$270ck

#### LIVE STOCK

Strong and steady summarizes the situ-ation on the live stock markets. Dealers da who were looking for cheaper castle this (D last week have been disappointed. They or are blaming the drovers for paying so 5.

MERTON LODG is now offering of Registered Bull Calves f fur

HOLSTEINS

av 9, 1912

Bull calves Formends and bottom prices. Sired is grandson of 'De Kol the 2nd's Bull the 3nd, and out of grand daubies "Hengerveld De Kol' and "Bit M gerreld Count De Kol' and "Sir M Ormsby." Safe delivery guarantee W. W. GEORGE CRAMPTON, a

FOREST RIDGE HOLSTEN

FOREST HIDLE HULDIEN Herd handle by the granity has seein Pieterin, whose sits in the Seein Pieterin, whose sets in the has six sisters whose records areas for than 3 like by Systeridies areas of over 30 like builter in 7 day, and of over 30 like builter in 7 day. Sysarolds with records of over 30 is builter in 7 days.

what you want or come and see the L. H. LIPSITT, Prop., Straffordwik Eigin Co., on Pt. Burwell Branch dis

HOLSTEINS If you are wanting a STEINS, any age, dibe GORDON H. MANBLE Manh

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Long distance R. R. NESS,

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different ages. Calves. Jan. a seres on hand. or 'ph

Holstein Friesian Asso., Box 148 Bankis

ARCHIBALD PARKS, NAPANEL

apply to

LAKEVIEW HOLSTE

Bull Calves, sired by Dutchland antha Sir Mona, and out of heifar by Count Hengerveld Fayne DeKel

E. F. OSLER BRONTE Holsteins I have 3 Young Be Sale, fit for service

good milking strait Apply to OTTO SUMRING, SEBRINGVILLE

PENINSULA FAR 53 Offers for sale three of Holstein Bulls, fit for s from R.O.M. and R.O.F. These bulls are about two-thirds blad all are good ones. Will sell reason

make room for the young stock this H. F. PATTERSON, ALFORD JCT, Bell 'Phone on Farm.

#### **High Testing Lynden Holste**

T am offering the System control Korndyke Dekkol. dam Spotted Lab Korndyke Dekkol. dam Spotted Lab Adveste Anton Franke Lady (185 He ad Queen Ann Trakke Lady (185 He ad Queen Ann Trakke Lady (185 He ad Queen Ann Trakke Lady (185 He Monthae-dd Buil, dam Boutie Med Monthae-dd Buil, dam Boutie Med Anya at 4 years built Prof. Frank Calves and a few good teach Corn of Come and see them. S. LEMON, L. LyNDEX 5

May 9.

## AY

# AYRSHIRE For sale-Hi including Calt Firt prize Yo in your order in March. App Begistered in Hon. W. OWEL Proprietor



#### River Bide Fa RAVENS

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GT.R. STARMAND.

Neidpatl

I offer two Bulls from R. with high reco

W. W. Phone.

FAIRVIEW FARM HE Winners in terts. Animals or Canadian bu

Too much money is span myear for poor bulls. Why not a good one? Sons of Pontia Is dyke, Rag Apple Korndyke, and Johanna Colantha Gladi for sai: head in herd. Come and see



E. H. DOLLAR. Heuvelton. H.

World's Cham production. Bo calves, all from grandson of Pi the lot. Addres GREATEST VIEW HOLSTEIN H As I have sold all my yearli As a nave most all my pearung r am offering my epring crop of Bull sired by Cora DeKol Pietertie's Com brother May Eoho. the champion 1 cow with nearly 24,000 the milk am les. butter in 1 year, from large pri-dama. Prices moderate. For part WOODDISSE

AYRSHIRE YORKSHIR

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is now offering the choicest bre Young sows 1 boars ready for of all ages, eith Bafe delivery W. W. GEORGE

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Boars ready fo Young Sows, I to breed, Pedi tered. Prices ALEX A. WATT, I

THE CALE H01

WANT

Young Pigs, 6 w State Breed and ALSO WANTE Geese, Ducks, G Langshans, Wyan

> FRANK Caledonia CALEDO

Apply to

av 9, 1912

#### EINS N LODG

t their on Holstein Gis furnished at a Sired in s. Sired 2nd's But and daugh and da d "Pie and " "Sir W RAMPTON

#### HOLSTE

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STEIN H earling bi o of Bullos je's Counti ampion 2.0 milk and large profes

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hree of t for H ROP irds black D JCT.

5. Als e Posch 70. Als Cows.

NDEN.

Holste ld Bull. 6 lbs. m at at 11 96 lbs. b int at 11

Apply to

# FRANK ALLEN

FARM AND DAIRY

butcher catlle. An average of quotations is about as follows: Butcher catlte, choice, 85.40 to 87.35; med. to rood, 85.30 to 85.30; cows, choice, 85.35 to 85.40 and to 85.30; cows, buils, 85.30 to 85.53; export, catlte, 37 to 87.30; reeders, 83.50 to 85.85; sicockers, 83.55 to 85.10; canners, 82.35 to 83.55; Milch cows are in fair demand at 850 to 540 for choice; com. to med, 835 to 830; gringers, 845 to 850. Calves are 84 to 87.00;

much for cattle in the country, but there much for cattle in the country, but there is no getting around it, cattle are scarce and the farmers will have their prices. If prices deeline at all it will be some time after the cattle are on grass, and that least. Besigned by the scarce of fairly good quality, but there have of fairly good quality, but there have been of fairly good butcher cattle. An average of quotations is about as

Canton, N.Y., April 27.-900 tubs of but-ter soid at 33c and 1,600 boxes of cheese son at 16 here to-day. White All soid at 33.4c. Corrwall, May 3-114 boxes white and 12 boxes colored. All soid at 13.4c. Pleton, May 3-14 boxes boarded 63 9.4c. State Source 1.58 soid at 21.546c; 60 twins at 33.4c. 17 require, May 3--56 hoxes of cheese offre-17 require), May 3--56 hoxes of cheses offre-

Iroquois, May 3.-503 boxes of cheese offer-ed. All sold at 12 3-4c.

THE MANOR FARM HOLSTEINS (Continued from page 23) may profile the second second second second of inspection to The Min Belling to react this stock. Many things about Mr. Good-erham's stables and dairy, and the face that he is producing cortified milk and that and the second second second second that and the second second second second that makes the second second second second the second second second second second the second s

THICK, SWOLLEN GLANDS



Also, 2 Young Bulls, ready for service, aliced by Lewis Prilly Rouble Hartog, whose lat 4 daughters at average age, 2 775. 4 mos. average 19.38 lbs. Butter in 7 lays. For further particulars apply to

ays. For further particulars apply to . W. MCQUEEN, TILLSONBURG, ONT. Bell 'Phone 74 Ring 6

in America



(25)

HOLSTEINS A Daughter of Pontiac Hermes (5442)

A Daughter of Ponita-Hermse (5442) and out of Imported Dam. Börn April 15th, 1999. Large, straight and nior Gount Hengerveld Fayne DeKol (727). Also a number of young bulla. One nearly ready for service, whose grand aires are Johanna Bue 4th Lad (2165) and Tdy Abbekerk's Mercena Posch (4521). Prices low.

COLLVER V. ROBBINS, RIVERBEND, ONT Fenwick Station, T.H.B.

RIVERVIEW HERD Offers buil calves from 1 to 10 mos. old RIRED BY KING ISEBELLE WALKER, whose 5 nearest dams and sizer average 30.18 LBS, BUTTER IN 7 DATS and 115.57 ibs. 10 30 days from dams of likewise breeding, at exceptionally low figures, to

#### P. J. SALLEY, LACHINE RAPIDS, OUR **GLENDALE HOLSTEINS**

GLENDALE HOLSTEINS Entire crop of pure-bred Holstein init. Calves and a limited number of Helfers, whose three nearest sires have sired Mays. R.O.M. at 1 year 11 has butter in 7 days. R.O.M. at 1 year 11 has the R.O.P. as a senior two-year-old (world's record), and deal Pet Feed Beckol, 283 his butter a senior two-year-old (world's record), and deal Pet Pet Beckol, 283 his notice a senior two-year-old. Prices reason-able. All correspondence promptly am-A. SHAW. BOX 31. FOXBORO, ONT



Your last opportunity to get a "Brightest Canary bull. Sire's four nearest dams average over 27 lbs. butter per week. These are show bulls, straight and foil of quality, out of richly bred dams. Will be herd headers. Now ten months old. Come and see them. They are priced to sell.

Another bull 14 months old, a double Grandson of De-Kol 2nd's Butter Boy 3rd, a rare good one

A. C. HALLMAN Waterloo Co. Breslau, Ont.



The butter marked in the second secon

#### CHEESE MARKETS

Ution, N.Y., April 29.-600 boxes small white cheese sold at 13 1-20 to 14c, and 1,450 boxes at 13 1-2c to 14c. Butter-Creamery, 137 tube sold at 33 1-2c; 49 crates of prints

t 34c. Vankleek Hill, May 2.-341 boxes cheese oarded; all sold at 1573c. Brockville, May 2.-2,395 boxes, of which

Brockville, May 2.-2,395 boxes, of which 1.780 were colored, were boarded, 1,240 selling at 12.5&0. Unsold boxes brought the board price on the "Street." Includ-ing the regulars, over 3,000 boxes changed

Kingston, May 2.--398 boxes of white and 60 boxes of colored offered. All sold at 12 3-40.



Cards under this head inserted at the rate of \$4.00 a line per year. No eard accepted under two lines nor for less than six months, or 25 insertions during twelve months.

80 - Ayrshires - 80

Our Herd is offered at Public Auction

TUESDAY, JUNE 18th, 1912

More world's record producers than at any previous sale ever held

Mature Cows with records as high as 556.7 lbs. of butter fat a year Three-year-olds with records as high as 521.9 lbs. of butter fat a year

Two-year-olds with records as high as 480.3 lbs. of butter fat a year

Seize this opportunity of getting deep milking, high testing Ayrshire ales. A few bulls and bull calves from deep milking stock. Plan to come to our great sale, June 18th. Write for catalogue.

Four Miles From Hamilton

Notice the quality of this offering.

YORKSHIRE PIGS, all ages, either sax. Choice young boars, fit for service.-H. C. Benfield, Woodstock, Ontario.

A. S. Turner & Son,

HAMPSHIRE PIGS-Canadian Champion herd. Boar herd headers. Sows, three months and 'under. - Hastings Bros., Crosshill. Out.

CLYDESDALES, Imp. Stallions and Fil-lice. Fresh Importations always on hand. Every mare guaranteed in foal. J. & J. Semple, Milverton, Ont., and Laverne, Mins., U.S.A.

FOR TAMWORTH SWINE-Write John W. Todd. Corinth. Ont., B.F.D. No. 1.

Ryckman's Corners's, Ont.

HOLSTEINS AND TAMWORTHS-All ages, also S.O.W. Leghorns. Young stock for sale at any time.-J. McKensie, Willow-dale, Ontario.

CLYDESDALES-Home of Acms. (imp.) Holteins-Home of King Fayne Serie Clothilds, nearest 7 dams 77 lbs brits-per week, and Bruken Weish Pontes.-R. M. Holtby, G.T.R. & P.O. Manches ier, Oss., Myrtik C.P.R.



AVRSHIRES AND YORKSHIRES A mountained a second s River Side Farm - MONTEBELLO, Que

RAVENSDALE AYRSHIRES

ipecial offering of spiendia lot of toung Buils, from two to 12 months old Write for prices or comeand see them. Coloring . or come and see them. Prices reasonable. W.F.KAY, Ravens dale Stock Frm

LLE STARMAND. PHILLIPSBURG QUEBEC Neidpath Ayrshire Bulls

I offer two particularly choice Yearly Bulls from R. of P. dams and grand-dams with high records, and by an Auchenbrain bred bull.

W. W. BALLANTYNE "Phone. STRATFORD, ONT.

**Burnside** Ayrshires Winners in the show ring and dairy tests Animals of both series. Imported or Canadian bred, for male.

Long distance phone in house R. R. NESS, BOWICK, QUE.

#### **Ayrshires**

World's Champion herd for milk and production. Some young bulls and bull saires, all from B.O.P. cowe for sale. A grandson of Primrose of Tanglewyld in the lot. Address WOODDISSE BROS., Tanglewyld Farm ROTHSAY. ONTARIO

AVRSHIRES AND Very of good type and broding not akin. YORKSHIRES Also proved Birse, different ages. Orders booked for Bpring are on hand. Wris or obons for price. or 'phone for prices.

ALEX HUME & CO., MENIE, ONT. Homrd's Station, G.T.R.

MISCELLANEOUS

## MERTON LODGE TAMWORTHS a now offering registered Tamworths of the choicest breeding and type. Young sows bred to farrow in April; boars ready for service and young pigs of all ages, either sex.

Safe delivery guaranteed. W. W. GEORGE, CRAMPTON, ONT.

Yorkshire Pigs for Sale Boars ready for service.

# to breed. Pedigrees regis-tered. Prices reasonable.

## THE CALEDONIA SPRINGS HOTEL FARM

ALSO WANTED, Eggs for Hatching Geese, Ducks, Guinea Fowl, Orpingtons, Langshans, Wyandottes, Reds, Rocks.

Young Sows, bred or ready

## ALEX A. WATT, Brucefield, Ont.

WANT TO BUY

Young Pigs, 6 weeks old and upwards. State Breed and Price.

Ared and Price.
WANTED. Rays for Hatching bucks, Guinas Fowi, Orpingtons, Wanted, East Status, Statu



#### Prince Hengerveld of the Pontiacs (Photo by an Editor of Farm and Dairy)

Note that as an individual he is all you could wish for. He is as you see, lowest, deep and of wonderful constitution. Note how straight he is, how long and open and yet evenly halanced. The head of house, good size, and were you in my stable to put your handler. He has lots of house, discover him to be an exceptionally good handler. He has that massel-inity, which makes him a very propotent size.

HIS BREEDING Need 1 say wore than that he is sired by KING of THE PONTIACS, the only sire of his age to have TWO 30-18. DAUGHTERS, THESE RECORDS BEING MADE AS 3-YEAR-OLDSI

YEAR ODDST Several hulls and helters from this grand bull I am offering for sale. While this bull cost me a pritty fair price. I have priced his stuff at a very reasonable faure. It will make price, and the several state of the Come to the farm and see my offering, or very you One to the farm and see my offering, or very you my herd to choose from. You are welcome to come any time. Manor Farm is only a short ride from North Toronto, on Electric Cars.

THE MANOR FARM. Gordon S. Gooderham, Bedford Park, Ontario

#### FARM AND DAIRY

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PRINCE EDWARD ISLAND. QUERYS CO., P.E. I. LAY VIEW, April 35-Bonow is now gome Glover looks well on new meadows. Press of all farm produce are good. Data for the state of the state of the state of the gome carcase, the state of the state of the logs (carcase), the state of the state of the logs (carcase), the state of the state of the logs (carcase) of the state of the state of the logs (carcase) of the state of the state of the logs (carcase) of the state of the state of the logs (carcase) of the state of the logs (carcase) of the state of the here now, Dairy companies are hard as SLOWAGE WORTH of black foxes in ranches here now. Dairy companies are hand at work preparing for another season. Gar-net Lecheur, who took the agricultural courses at Guelph and St. Anne De Belle Yue, has been appointed seed inspector for the island.-W.8.

for the island.-W.8. PRINCE CO. P. E. J. RICHMOND, April 26.-Parmers are bugy preparing for seeding. The weather is align and the land drying up well. Stock win-tred well as there was plenty of feed. There is a good demand for potatoes, which are now quoted at 66 as bank. Side and the second state of the second there are an even of the second state of the local state of the second state of the second forms \$175 to \$235-10. Mathematical second state Interval and a state of the second state of the second there are in good demanders there from \$175 to \$235-10. Mathematical second state of the ONTAPLE ONTAPLE

#### ONTARIO.

ONTARIO. SIDNESTINGS CO., ONT. SIDNESTINGS CO., ONT. SIDNEST CROSSING, April 29-Boring is very backward; very little seeding done yet and more rains than desired. Wheat, 81: barley, 82:10 to 82:25, the highest ever known; backward, 35: erges, 32: butter, 32: Fall grain and clover has wintered well, but no growth as yet. Feed is get-ting searces. Fruit of all kinds promises to be FETEPERDING. Over

to be abundant -J K. PTERBORO CO., OWT. LAKEFIELD, May Bud -We are getting some good Holsteins in this pati, of the country. Several of our farmers, bud full, with the source of the source of the our set of the source of the source of the country. Several of our farmers, bud our set of the source of the far line source of the source of the NORTHUMBERLAND CO, ONT. NORTHUMBERLAND CO, ONT.

Barry Ministry, Ministr

yer, recal is scarce and prices high and no grass. Taking everything into con-sideration, stock is looking well. Clover came out of winter quarters in good form and if the weather is at all favorable from now on a good crop may be looked for. Lambs are coming strong-J. R. P. for. Lambs are coming strong--J. R. P. ELORA. April 23-A fair report for the last fow weeks would be "Nothing doing." The weather has continued very lask-ward, with only one or two fairly warm days. The folds are aredually drying off days. The folds are endantly drying off last reft. A faw were soving. No growth family the strong second product of the family strong second products of the family hole family and hole for come outside by Feed is becoming scarce, but most of our farmers have enough to last two or three weeks, and all hope for some outside by battle on sum of the scarce of the scarce being done in some localities. Cattle are still leaving in considerable number, but of poorer quality. Bearcity for the sum-mer is indicated. Prices for cattle and the scarce of the scarce of the scarce weight of the scarce of the scarce of the WENTWORTH CO., ONT. KIRKWALL, April 15-Farmers have been making maple syrup during the past week. The scance has been very short this year. The weather is now quite warm and a full possible to get on the land in a full possible to get on the land the seed over on the growing of Arrive storm passed over on the growing is very scores on many farms, and a great deal of farm

May 9. 1912.

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sonsiderably. Feed is getting

considerably. Feed is getting scale tories open on Wednesday with f spects of milk for the season.-A. OXFORD CO., ONT. AYR, April 30.-We are having ward spring. Some on the heavy have barely started seeding set others on each started seeding set having a b have barely started seeding yet, will others on lighter soil are enearly throug Wheat is about a total failure. Fran-are plowing it up or else drilling has along with it. Clover in some instan-has not come out good. Feed is gut grass-G. C. S.

LAMBTON-THE GARDEN OF CANADA How often we are carried away with thoughts of the boundless and beaut distant fields where brooks continua



D. N. Anderson

miry clay of the larger pi d. When we th the larger para , Lambton is composed. When we think the mines and miles of local drains an incousands of miles of underdrains ha we must put in, we are then led to at the question, where will we find this is er: location?

man

cer location? We find article in our leading journal speaking of Lambton as "The Gardes Canada." We find parties of leading me who are looking principally to its fum possibilities for peaches and small frm possibilities for peaches and semail tra-the northern part and the solid ay and plums such as our heavy clay produce in all parts of the county. I men of capital are touring the our looking for suitable routes for electric to convey help from the town to his our convey help from the town to his our convey help from the town of the question, is Lambton (which is could of the great Sydeham Yalley from ; Wallaceburg to Arkona) the "ones and pleasant dell, some valley in and pleasant dell, some valley west," and also The Garden of Car Two years ago the county with the assistance of the local

with the assistance of the jocal con-ment, wishing to help the farmer to s on more scientific principles, selected 8. E. Todd, an expert, as District Re



May, 9,

ative, who Lam to seeing he great greatest n, in the as ever seen Ch rticle on Mr. ent). con on of the vici e main line St. Clair tun the midst of

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#### May, 9, 1912.

who now says: "I look forward Lambton the greatest county in a setting Lambion the greatest county in the greatest provinos, in the greatest gliss, in the greatest Empire the world have ere sent. Arala, the Béspoard parasition of the greatest provide the gliss of the the largest breaders on the gainst concluded by giving a descrip-ing in eas of the largest breaders on the samin into of the G.T.R. 34 miles eas is minist of the best subclivity stituted all minist of the best subclivity is disated all minist of the best subclivity is disated all minist of the best subclivity is disated all grain section of the Province of Un-tato.

But what have we got to boast of? Why. what have we got to boast or why, reatest asset any country can have-oil. Yes, we have the soil that will see plums, pears, or almost anything from peaches to pigs

is from peaches to pigs. Sos'why are we not farther advanced? By have we not more large orchards, a? Well, until this lase few years, this is been a lumbering country to a great pest, and an oil territory. Many had no sets! in anything but cutting the rest!; planting was scarcely ever thought

of. But this is all past now, the lumber man has either become a farmer, or moved away. Yet we have had a number of fruit growers along the Lake who have

man has either become a farmer, or moved away. Yet we have had a number of fruit growers along the Lake who have of stuit growers along the Lake who have set they have been that settion for fruit set they have been wary prospectous. The oil man was neither an argiculturian nor a horiculturist. Whether he structs oil ... waich he succeeded, his business was account. If he failed, then and his bank account is fact, there is an advancement all vious the line of progress. D. N. Ander son, Lambion Co., Ont.

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The manufacturers of Amatite ask us to say that they are ready to distribute

samples of their roofing to any one who is interested in the new type of roofings. Anyhody can obtain one of these samples by simply addressing a request for it by complete the sample of the sample of the posterior of the sample of the sample of the Co. Limited Montreal. To Paterson Mg. Vancouver, Sk John, N.B., Hailford N.B.

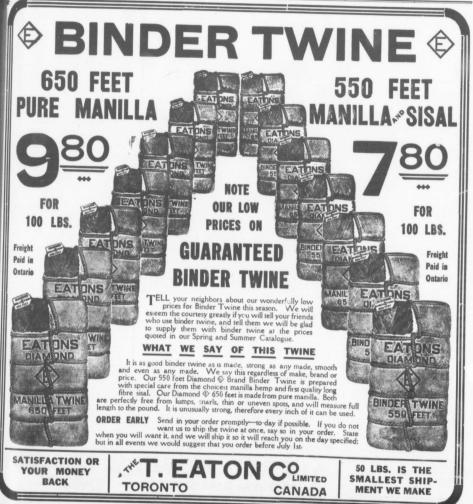
This sample serves to show the mineral surface of Amatile, which is its great unique feature. By this mineral surface Amatile eliminates the painting nuisance.

You lay Amatite on the roof, leave it alone and it will take care of itself year after year. It needs no painting or at-tention. Of course, this reduces the total tention. Of course, this reduces the total rooms greeness considerable, for mobody who has had experience with the ordination sider that paint is cheap. It might be or-sider that paint is cheap. It might be out-ported that Amatie would cost more than the smooth-coated roofnas, but its price in fact, is somewhat lower than roofs of the old type.

If you are interested in ready roofings Amatite is worth remembering.



to Farm and Dairy.



May 9, 191

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Portland Cement Concrete stops the ravages of time, frost and fire on farm buildings and fixtures.

It is always cheapest to use compared with wood, brick or stone

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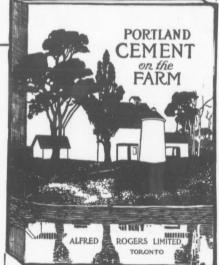
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