The Tariff Discussed from the Farmer's Standpoint on page 2





farmer Autoists How Dream of "The Good Old Summer Time."



The B-L-K Milker

A Description

The machine consists of a strong, heavily tinned steel pail, The machine consists of a strong, heavily tinned steep pal, on the top of which is a metal cover, termed the pulsator. It fits loosely on a gasket that makes an air tight joint when the suction is on. A hipple projecting from the suction fitter on the pulsator connects the pail by a hose with the stanchion cock on the pine line. on the pipe line.

Each Pulsator Milks Two Cows at One Time

Two pieces of hose connect two cocks on the pulsator with two groups of four teat cups each. The metal teat cup with its rubber mouthpiece fits over the teat and is held in place by the suction. The pulsator alternately makes and breaks the vacuum, first drawing the milk from the teat, then allowing a fresh supply to enter. This exactly imitates the calf's sucking, and is a more natural action than that of the hand.

As the milk is drawn from the teats it is sucked into the pail. An inspection glass in the milk passage permits the operator to see when the milk flow stops. From 12 to 18 cows per hour can be milked with one pulsator, depending upon the way in which it is handled, and an operator can care for two, or under some conditions, three pulsators.

An accurate account of each cow's yield and the quality of the milk can be kept by using the partition type milker.

The amount of space at our disposal in this issue limits the information in this announcement, but if you'll drop us a card we'll gladly send you our literature on the B-L-K Milker and Simplex Separator.

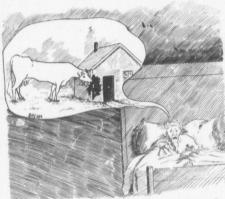
. Derbyshire @ Co.

BROCKVILLE, ONT. Head Office and Works

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







The Dream of the Unprogressive "Eaten Out of House and Home." The

THE CAPITALISTS AND THE FARMERS *

R. McKenzie, Winnipeg, Man., Secretary, Manitoba Grain Growers'

some government should concede to the world needs and can assert at requests made in the resolutions just produce we can extract from our presented to you by the President, let farms, and will willingly accept it in me present some facts, selected large exchange for other commodities that ly from government returns showing we cannot profitably produce. presented to you by the Fresident, let me present some facts, selected large-ly from government returns showing the economic condition of Canada and the relations the protective sys-

has to trade conditions. Canada imported for home con-sumption in the year ending March . 1913, in round figures \$685,000. 000 worth of merchandise, and ported \$375,000,000 worth which that extent paid for her imports, leaving a balance of \$310,000,000 to be provided for in some other way.

ENORMOUS INTEREST CHARGES ENGEMOUS INTEREST CHARGES.
In addition to this adverse trade
balance Canada has to provide for
interest charges on borrowed money.
That interest charge is now estimated
to be \$57.000,000. The total amount,
therefore, which had to be paid othertherefore, which had to be paid othersense. therefore, which had to be paid other-wise than by export, was \$385,000. 000. How was this to be done? We are paying for it now by borrowing. Clearly we cannot continue borrowing to meet the balance against us, which is increasing year by year at an alarming rate. From 1896 to 1903 we exported more goods than we imported, and money borrowed during that period went into public during that period went into public works to improve conditions. Since 1903 the percentage of imports over exports has increased alarmingly, and now stands at 43 per cent. We doubled our exports in the last 13 years, and increased our imports found to the control of the contr fourfold during the same period. In addition to borrowing for necessary addition to borrowing for necessing public works, we borrowed money to pay for excess imports and also for pay for excess imports and also for payiously interest on previously borrowed money at such increasing rates that lenders got alarmed and called a halt.

lenders got alarmed and called a halt.
Clearly the sensible thing for the
Canadian people to do is to stop ber-rowing money to pay for what we buy, and produce for export to meet our obligations. Our source of wealth is our illimitable natural re-sources, in facility and all respectives.

N ADVANCING reasons why it is wealth in our many millions of acres the interest of Canada that the of fertile soil is inexhaustible. The government should concede to the world needs and can absorb all the

Another source of wealth is the con-Another source or wealth is the converting or manufacturing of the raw product of farm. mine and forest in-to finished articles available for the to finished articles available for the super-use of man. The government of The unprec Canada adopted a policy of taxing all imports of manufactured goods, creating a tariff wall around Canada with a view of encouraging the de-velopment of this source of wealth. This led to the establishing of many factories in different lines. For a time manufacturers competed one another, and so long as that com-petition existed, the burden of the tariff was not so severely felt, nor was its blighting effect on agricul-

ture so manifest. however. In recent years, situation has come into existence in Canada, one that has to be reckone with in any proposal that has to d with improving conditions for the development of our natural resources, and increasing the output of our farms, mines, forests and fisheries.

COMBINES FORMED

Being protected from outside com-etition by customs duties, the manupetition by customs duties, the manus a good ba facturers have seen a gain to them, alreas in a combination of interests, and the outstanding economic facts, matter h in the last few years in our country dividual n in the last few years in our country dividual n to consummation of a large num-by type sh ber of industrial amalgamations. In stock, four years previous to January, 1913 know of 56 industrial mergers were negotiat world's reas made and also for 56 industrial mergers were negotiat as order on previously borrowed ed, with an aggregate authorized at much increasing rates that capitalization of \$8456.038.906. The grand-of slarmed and called a hat. 56 amalgamations absorbed 248 in the approximation of the property of the dividual companies. The aggregate high record money to pay for what we dividual companies was approximately indirect money to pay for what we dividual companies was approximately indirect money to pay for what we dividual companies was approximately indirect money to pay for what we dividual companies was approximately indirect money to pay for what we dividual companies was approximately indirect indirect money to pay for whether the people of Canada had igive the bigations. Our source of whereas the people of Canada had igive the provided in the provided of the provided in the provided provided in the provided pr

The natural wealth in mine, forest and fisheries can be depleted. The sation will be sufficiently a sufficient to the state of the stat

Trade increas

Vol. XXXI

Points on He Addre HERE at

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Trade increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land,—Lord Chatham

Vol. XXXIII.

FOR WEEK ENDING JANUARY 8, 1914

THE BREEDING OF DAIRY CATTLE

Points on How to Improve the Dairy Herd for Sure and Profitable Production. A Summary of an Address by Prof. Barton, of Macdonald College, Quebec, at the Guelph Winter Fair

HERE are two ways of building up a dairy herd-by buying and by breeding. While buying may be the shortest method, the nan who raises his own stock is better off in he long run.

The records of grade dairy cows in Canada re a disgrace. We must look to pure bred sires or any advancement. The name "pure bred" self does not stand for much. Why? There a natural range of quality in all strains. It oes not hold that all the animals in a good

erd are high-class individuals. reeders to-day are not careful nough in eliminating the culls and isfits.

of The unprecedented demand for pure of taxing all red stock increases the danger of oured goods, reeding too many of these misfits.

Speculation, too, is doing serious jury to breed interests. Ignorance n the part of both the buyer and the peculator is largely responsible. any do not have a clear idea of the ost desirable type. I wouldn't adse a man to go into the breeding pure bred cattle unless he has a oper ideal in view.

All breeders are working for merit, at a great many are working at the ong end. They are aiming to oduce a few animals of extra merit, at at the same time are not culling e poor ones. We should breed only om individuals which produce uniom outside com rmly good offspring. Performance a gain to them-ales and tester are not everything. a good basis to work from, but the

s in our country dividual may be, if she has not the necesry type she should not be used to raise breed-

nalgamations. In stock.
to January, 1913 know of one high producing cow that made to January, 1915. I show of one high producing cow that made ra were negotiat sorld's record, and of seven daughters and ogsta authorized sorld-aughters, not one ever became as 56,398,266.

The prand-aughter, not one ever became as 56,398,266.

This particular cow, though

absorbed 248 in kh a producer. This particular cow, though The aggregath high record maker, was of poor type, 200 of those in the crossing of a good individual with a ra-was approximate the confidence of the same breed is likely indicating indicating the same results as crossing two ani-of Canada and to give the same results as crossing two ani-on \$107.000.00 (s) of different breeds—you don't know what provide dividendin're going to get. It is best to confine breed-

provide divides a going to get. It is best to confine breed-amount.

The argument of the best individuals.

The argument of the best individuals should be representative in a green argument of the breed and of breed character. It is diffie real investment to raise high-class stock from plain cows. g illustrations are ther than the over fine type. Once the type

has been stablished, select from within the strain.

Strength and substance are important. Our cows to-day are working at higher pressure than did the cows of some years ago. Then summer dairying was almost universal and the cows were dry several months during the winter. Now that the demand for milk in our cities is increasing so rapidly, winter dairying is com-

ing into vogue and cows are dry only a short The heavy feeding relative to winter

On Pastures Green in Sunny Southern Alberta

Alberta dairymen contribute largely to the grand total output of the Canadian dairy industry, and many fine pure-bred herds are found in the province. The Robletine here illustrated are a few from the herds of Michener Brox, who have made a name for themselves on the Western Fair Circuit. Cowe such as Memake good foundation stock for the building of a great and profitable industry.

dairying has weakened stock. A number of fine herds have been destroyed by over work.

Breeds, of course, vary as to standard size. While we do not want over grown animals of any particular breed, we want them up to the average. In one herd of 150 Jerseys, of the best 50 cows, 15 weighed over 1,200 pounds; only eight weighed less than 900 pounds. Of the 50 poorest, only four weighed over 1,200 pounds, while 34 weighed less than 900.

There are defects to be remedied in all breeds We can see this at any show of dairy cattle. In the matter of records, we want uniformity of performance; not spurts. The cow that makes a high record this year and does poorly the next, or does well for one month and then drops off rapidly, is not the most desirable.

In the development of the breed, there are four main contributing factors: Better feeding

of the calves, not breeding too young, care taken to develop the milking qualities, such as proper feeding, and conservation of strength. The extreme high tests that many breeders are working for are liable to reduce the strength of the cow. Overworked animals cannot be the best breeders.

Addition by Elimination

E. F. Eaton, Colchester Co., N.S.

"Blood counts," remarked the penniless foreign count to the rich meat packer's daughter.

"Oh, yes, and horns, hair, hoofs, everything; nothing goes to waste in daddy's business," was the practical response.

The foregoing is a joke. At least I read it in

the joke column of our local newspaper. A thought that occurred to me is that this joke also exemplifies the efficiency of our packing concerns, an efficiency that is characteristic of almost all of our great centralized industries to-day. I have been informed that in many indusries the main lines of manufacture are sold at cost and that all of the profit is made on utilization of the by-products.

Farmers are just beginning to wake up to the fact that we too must keep our eyes open for the leaks or we will get left in the race. In the past we farmed virgin soil that would yield crops under the poorest management. We were not as thrifty as we might have been. In fact, we could not afford to chase too strongly after small things. But that day is rapidly passing. The day is coming when we will need to make our profits by attending to the small losses that heretofore we have never given a thought.

One of the most frequent sources of loss I believe is in the manure pile. We have not been taught to put a premium on fertility. I should estimate that with a herd of 20 cows, and the manure simply piled in the barnyard in a careless way to leach and firefang, that the loss in one year would amount to at least \$100. A pretty substantial leak.

My father has dealt considerably in agricultural implements. He knows just about how much each farmer in the locality spends for implements, and he tells me that on a farm of average size the loss through the poor care of the implements and from consequent short life, amounts to at least \$100, and in some cases he believes it is nearer \$200. Another leak worth taking care of.

We surely need to take a leaf from the business book of that Chicago packer whose daughter gave his secret away.

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th is the con-g of the raw and forest in-able for the vernment aging the dece of wealth. ines. For ompeted with g as that com-burden of the erely felt, nor t on agricul-

wever, a new to existence in to be reckoned that has to do ions for the deoutput of our and fisheries.

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on page 13)

My Preference in Siles

A. G. Frew, Norfolk Co., Ont.

I saw in a recent issue of Farm and Dairy an article asking advice on silos and what kind to build. Our experience does not extend much over two years, but when we contemplated building we were in the same boat as Mr. Martin and many others who have given silo erection a thought. We saw several silos in the dead of winter when it was freezing very hard, and this is what we found: In the cement silos the ensilage around the edges was frozen very thick in some places, probably a foot or more back from the edge; the stave silos were also frozen a good deal, and in the lath and plaster silo, one which had neither top nor outside boards on, the ensilage was not frozen nearly so much as in the former types. In fact, I heard one man say that the ensilage in his new cement silo was dried out for a foot or more around the edge. Probably the latter being a new silo would account for its absorbing the moisture.

We put up a lath and plaster silo, and as for having good ensilage we could not have asked for better. We had a little trouble with our ensilage moulding, but that was not the fault of the silo, it being due to the corn being too dry and ripe before filling; this was overcome by watering frequently. Our silo is 12 feet wide and 35 feet high. We put in a cement foundation five feet high, then the circle was laid on the cement and bolted, next the studding was put up, these being nailed 161/4 inches apart. On the outside we put six-inch elm bands doubled and nailed to break joints; these were put up in order to leave doors two and one-half feet high, with spaces between three and onehalf feet. The interior was lathed with elm strips, close enough that the plaster would stick. On the top of the lath we put a coat of plaster, which has stayed on well. We boarded the outside, but metal could be used to good advantage. The top has a flat roof, with a door in two pieces which lifts off; this is a great convenience when filling, they being three feet wide.

We would advise a good wide chute, as it gives plenty of room at the bottom for working.

What is a Farm? By L. McCaskey

Did you ever talk to a city man who had the back-to-the-land fever? Did you ever analyze his desires? What does back to the land mean to the city man?

I'll guarantee that in nine cases out of 10 it means a home. He believes that his farm will yield him a comfortable living and perhaps a little more. He probably has his plans for a heavy producing herd, hens that lay 200 eggs a year, and pigs that reach 200 lbs. in five months. But when you get right down to the basis of his dreams the real thing he yearns for is a home. Something which he owns and in which he can take a pride and something which he can pass on to his children.

Compare the city man's conception of a farm with that of many farmers. Right in my own district are dozens of farmers who have never thought of the farm as a home. When they bought their farms all of their attention was riveted on the character of the soil and the suitability of the buildings for the line of farming that they proposed to undertake. The conveniences and comforts of the farm house, the beauty of its surroundings, or possibilities for beautifying them, were the last thing considered. The house is merely a place to live in, while money is being made from the farm. Their dream for the future is a house in the town, with a good-sized garden; and the farm-well. that will be sold to enable them to retire. think I have here depicted fairly accurately the conception that many of us have of the farm, though I am glad to say that there are thousands with a higher ideal.

The city man's ideal appeals to me. It is the farm that is the accessory to the home, not the home that is accessory to the farm. Rural life here in Canada has been made less attractive than it might be because of our lack of the farm idea. It would be staggering could we get accurate statistics of the number of farmers whose ideal is to get enough money on which to retire to town. If we farmers would make up our minds that we are going to stay in the country and make it our home and a home for our children, there would be more community spirit, a greater desire to improve our rural districts and make them suitable places in which to live. Then we would have real living, the kind of living that considers the home first, the farm

Better Than His Lost Hand

A concern advertising their milking machines regularly in Farm and Dairy recently received the following letter from a customer:

"The milking plan on installed for me on



The Dairy Stable as it used to be

This sanitary dairy stable, in its time one of the best in Canada, was in the basement of the barns at the Central Experimental Farm that were burned recently. When the buildings are reconstructed it is planned to have a much more complete stable even than this one

May 29th last has proved a great thing for me. Perhaps you remember that I had lost the use of one hand and farming was getting to be quite a problem, but the dread of farming even with one hand has about disappeared now, for if anything should happen that I would have no help for a few days, my little girl, nine years old, and myself could do the milking.

"I find the machine very easy to operate, and it has not failed in doing the milking once. have never had the teats of my cows in better condition, not having one with sore teats this summer. I have milked the same herd of cows this year that I did last, and each cow has yielded me about \$80 more than they did last year. My cream went to the same factory both years. This alone I think is good proof that the milker is all right. I shall keep both year's bills on hand to show any one who wishes to know how my cows stood the test of machine milking .- A. H. Sweet, Sweetsburg, Que."

The Art of Dairying

F. E. Ellis, Peterboro Co., Ont. Successful dairy farming is an art. When w

speak of an art, we mean an occupation of suffi cient interest to imbue its followers with a level and devotion for it; an occupation, in fact, which one can not have great or permanent suc cess without love and devotion.

The true artist follows painting because he loves to paint. Who ever heard of a successful portrait painter talking about the drudgery of his work? Who ever heard a real poet talking disparagingly of his art? Did either of these artists despise their work they could not be successful in their calling.

It is love of dairying that raises it above the level of a mere occupation and makes it an art. The painter works with his paint and canvas, the poet with his pencil and pad, but we dairymen work in living flesh and blood. Who can imagine a more engrossing occupation than in striving to improve living animals that make returns to us just in proportion as we devote our best energy and ability to them? Go where you may, you will find that the most successful dairyman regards his occupation as an art, and he gives to it a love and devotion.

But how often we hear that dairying is drudgery, that it is too confining, that one cannot get hired help on the dairy farm, and other complaints without number. Why is this? I believe that the biggest explanation is that the cows we milk are not good enough to inspire their keeper with any special pleasure in giving them attention. Poorly bred and poorly fed they represent to both owner and hired man only additional and confining work. Hundreds of dairymen right here in Ontario have testified that the day on which they began to take a real interest in their work was the day when they purchased their first pure bred animals, or th day when they started to test and to weed.

A second reason for not perceiving the art is that we work too long hours. We still regard the milking in the same light as we did when dairying was not a special industry and when milking a couple of cows was part of the chores to be done after supper. Milking on the dairy farm is one of the big operations of the day, and we should plan to have it done at six o'clock.

Satisfaction is a state of mind. But when we change ourselves from thinking to working beings and chore around from five in the morning till ten at night, satisfaction becomes impossible to as. People who work too hard cannot think and lose their appreciation of the fine points of their calling.

Here are two of the points that will enable us to see the art in dairying-good cows and the work compressed into a working day of reasonable length.

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It is admitted by all students of sociology that the country is the seed bed of the whole popula tion. It, therefore, becomes a question of prime national importance to maintain the quality of this seed bed. If conditions are such as to cause the withdrawal of the best blood from the rural districts, or such as to favor the deterioration of rural life, then social and national disaster are imminent. The modern large city, with its hideous problems, its enervating atmosphere, its inequality, with its crushing and crippling of child life, is in many respects a blot upon our civilization. Rural degeneration, sapping the very life of future generations, is even worse. The large city, dominated by a few rich parasites, with an ignorant, inefficient and dependent rural proletariat, together mark pronounced social decay, and the time is not far distant when such a civilization must disappear and the grand temples which it raised to its false gods crumble to ruin .-- W. C. Good, Master of Dominion Grange.

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Humus Soil in Time of Drought

D. Clark, Prescott Co., Ont.

A year ago this fall I plowed down a clover sod and a nortion of a wheat field lying alongside. The soil in these two fields is of exactly The same character. The treatment that they have received for the last dozen years has been practically the same. The two fields were seeded

with oats. When the dry weather struck them this summer, you could have drawn a line up and down the field where the clover plowing ended and the wheat stubble began. The first survived the drought in good shape. The latter vielded less than half a

A few years ago in a period of severe drought I seeded oats on a potato field. Half the field was heavily manured; the other half not at The oats on the all. first half did not come ahead any faster than the oats on the second

until the drought came; and the drought was severe. Then the patch lacking manure wilted right down, and the crop did poorly from then

I believe that the results in both of these cases traced to the same source. In the first case the clover sod plowed down provided a good supply of humus. In the second case it was the manure that supplied the humus. This bunus, which is simply decayed regetable matter in the soil, sgems to hold the moisture, and next to irrigation is the best thing for tiding crops over a dry season. We have had so many seasons of drought in Ontario in the last few years, even when sandwiched in between exceptionally rainy seasons, that I believe it is up to us to direct our farming operations so as to always keep in the soil a liberal supply of humus. Of course, the way to achieve this is to follow the short rotation with the frequently plowing down of sods.

IMPROVING A LIGHT SOIL

In the case of an exceptionally light soil, when one wishes to improve the fertility, I would advise plowing down not only the sod but the whole crop. I have had a little experience in this line myself. When I first came on this farm what we called the "hill" field, composed of a very light sandy loam, was so poor that it did not produce 15 bushels of oats to the acre. did not then have the manure to apply to the land, so I seeded to rye, about the only crop that would grow well. When this had attained a nice growth I plowed it under, worked it up, and the following spring seeded with clover. The clover made a rather poor growth, and it too was plowed under. Next year we summer fallowed until the middle of July, then sowed turnips and kept well cultivated, and the next year the field was ready for any crop we cared to sow. Of course, we have always endeavored to keep that field well supplied with humus, as otherwise the soil is so light that the least drought would severely check growth.

I have been told that there is a danger in plowing down excessive quantities of green matter, as I did in this field, in that you may make the soil sour. This danger, however, can be easily got around by making applications of lime or wood ashes on the first indication of sourness.

The Formation of Seed Centres*

There are required in Canada each year, 40 million bushels of seed grain. We can realize then the opportunity that awaits the producer of high-class seed. To take advantage of this opportunity has been the object of the Canadian Seed Growers' Association. In asking its members to grow seed of the best varieties, of strong vitality and free from impurities, the C.S.G.A.



Eminent's Best as She Appeared Before Her Great Test

is asking no more than is done by the best farmers.

The demand for registered seed is increasing fast. The farmers are realizing that better seed grows better crops, which in turn produce seed that sells well. The C.S.G.A. has had a farreaching influence. Every grower of pure seed in a district has been a demonstrator of what good seed will do. And such demonstrations do far more good than talking.

NEED FOR EXTENSION

It has for some time been felt that the work of the C.S.G.A. could be greatly helped if all the growers of pure seed in a district were organized to form a seed growing centre or club. Each of these centres could produce seed for the growing of which it might be specially adapted. If these centres be well distributed, then there will be no dearth of good seed

The C. S. G. A. is ready to assist in the

formation of these centres. Where local associations are formed, the individuals will be responsible to the association and the association to the C.S.G.A. We have already corresponded with the district representatives and nearly all have replied as strongly in favor of the In Ontario, for instance, there are 31 farmers' clubs, with a total of 337 members, who have subscribed for 1,164 bush. of pure seed. These clubs the C.S.G.A. could recogas seed centres and direct purchasers to them.

ADVANTAGES GAINED The scheme as outlined presents a number of advantages. Heretofore, every member of the C.S.G.A. has had

* Synonsis of an address delivered by C. I. Newman, Secretary, C.S.G.A., at the Guelph Winter Fair

to conduct a breeding plot and make head selection of grain in order to keep his seed up to the standard. In a record centre this work could be carried on by a few of the members for the benefit of all. There are always a few men in every community who are peculiarly adapted to such work. Then, too, when the

(Concluded on page 20)

Developing the Young Stock

G. A. Dimoc, Michigan

Good breeding will do much, but it cannot do everything, and the man who wishes to see his herd improve year by year must give very careful attention to the development of the calves. Much might be said on this subject, but we will only touch on a few of the most important features.

As a rule the first feed of the new-born calf should be from the mother's milk, being careful that the calf does not over-eat. The young calf should be fed three or four times a day, receiving only about two pounds of milk at a feed if fed four times a day. The milk should always be at blood heat and fed from absolutely clean pails. If the pails can be scalded at each feed so much the better. Regularity in feeding is as necessary as cleanliness. At all times the calf should have a clean, dry bed and plenty of good, pure water.

As soon as the calf is old enough we would keep good hay within his reach, and believe that a mixture of bran and oats, with perhaps a little charcoal, makes a very desirable grain mixture. They should also have salt within their reach. The milk should always be sweet and the change from whole milk to skimmed milk should be made very gradually.

We believe that the milk as fed should be carefully weighed so that the ration may be gradually and carefully increased. We believe that most of the difficulty in raising calves is due to carelessness rather than to lack of knowledge. When the calves have reached the age at which they can consume a reasonable amount of grain we believe in giving them a good generous ration made up of feed that will have a tendency to produce bone and muscle rather than fat.

(Concluded on page 20)



After the Test. Now the Champion Jersey Cow of the World

se two illustrations of Eminent's Best, the champion Jersey cow of the world These two illustrations of Eminent's Best, the champion Jermy cow of the world, give one a good idea of just how a high record caw looks before and after her test. Breeders tell us that good condition is an important factor in enabling a cow to make a great record. A good cow will turn her surplue fat into milk, and this Eminent's Best appears to have done. Her records are 17.702 lbs 15.6 or. milk, L32 lbs. 15.6 ob butter. Study the type portrayed in these two illustrations. We never make a mistake in burjug cows of this character. This great cow is owned by Royeroft Fern, fishnax, Migh.



Make Your Stock and Poultry Pay Better with

STOCK AND POULTRY SPECIFICS

At a cest of less than a cent a day per bead of stock, it will increase their value 25 the poorest-conditioned animal bead of stock, it will increase their value 25 the poorest-conditioned animal value of the value of the poorest-conditioned animal value of the value of the

Fred the sood food grown on your own farm—hay, cats, bran, choo, etc. You know what these things cost you and what his the property of the

WE ALSO SELL

Royal Purple Cough Specific for cough and Royal Purple Lice Killer for poultry and distemport. (Will cure any ordinary cough animals. 25c and 50c, by mail 30c and for days), 50c, by mail 60c.

distempter. (Will due any orothese of the distempter of the distem mail 66c.

Reyal Purple Worm Specific for minimis:
removes the worms, also their larvae. 25c.

Reyal Purple Boan 69c.

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TO STOCK AND POULTRY RAISERS

We will mail for the asking our new revised 50-pate hook on common allments of stock and poultry. Tells book on common allments of stock and poultry. Tells cover, calves, eiters, hoge; also how to freed all new cover, calves, steers, hoge; also how to freed an except the cover of the cover

London, Canada



The Pampered Pig

H. Percy Blunchard, Hants Co., N.S. H. Percy Blanchard, Hants Co., N.S.
There is an aprocryphal story of the
English tourist in Ireland, who, upon
entering one day the humble cabin of
an Irish peasant, and remarking upan Irish peasant, and remarking upon the free and easy way in which the
pig had the liberty of the whole house
received the reply: "Sure, and why
not? Indeed, he's the gintleman
what pays the rint."

But what suggested the subject is
the whole property has not been

But what suggested the suoject is that my smallest pig has not been thriving of late. In the early fall, he had as a domicile a small, dark pen in an old tumble-down shed on the hill. In a breeze, there was more hill down the supple of the beautiful and him down to the high part in the him down to a nice pig's parior in the basement of the big barn. Here were smooth plank walls, a concrete floor concrete feed bowl; concrete walls all round. One part of the pen floor was elevated a little, and with plenty of straw on it; while the lower flat usual ly was mostly slop

PIG JUDGMENT

But this young pig seemed to pre-fer the bungalow type of sleeping place and laid down to rest him in the wet. Therein he showed apparent lack of judgment; for, as a result and before I noticed the trouble, he was all crippled with rheumatism. I am not hard-hearted; but surely that pig makes funny faces as he tries to move around without showing the fact of his crippled condition. Nothing for it but to take him out of that; and so he is back again to a very plebeian shanty

shanty.

But there is a moral and a lesson here for us all. Concrete and civilization, all very nice in their way, are taking the strength and vigor away from both pigs and people. If we only could discover the co-relation between cause and effect.



best pigs have generally not much more space than to turn around in. Then, conclusion one: A pig does not need exercising space. This refers to the butcher's pig; not the breeding sow. Also, some of the choicest pigs are in cold shacks that let the wind in like a herring net. Conclusion two: A pig will thrive in a cold, frost to unto the cow. A few battens punctured place, so long as he is not will close up the cracks.

in the direct draft. And, finally: Every decent looking pig had a dry floor. As ther thing I noticed was that any re pectable pig will make all his dirt in one place and keep his bunk clean.

MY IDEAL HOG HOUSE Now, if I were building a pig house, I would have it 13 feet wide and built Now, if I were building a pig house, I would have it 13 feet wide and built on a side hill so as to have a little sort of cellar under it. For four pens for butcher pigs, and one pen for a brood sow, make the building, 40 feet long. Then cut off 13 feet at the further end for a square pen the brood sow and the building, 40 feet long. Then cut off 13 feet at the further end for a square pen cut of the pen source of the further end for a square pen cut of the pen cut of the further end for a square pen cut of the pen cut of the



enough loft space for straw and clover enough loft space for straw and clover hay. The floor under the pigs make of single thickness planks and quar-ter-inch rracks between them; or just poles. Every fall and spring put a few loads of dry earth into the cellar space and remove it after six months well soaked with liquids from

the pigs above.

Nothing but the roof need be tight Nothing but the roof meed be tight. I would prefer the walls just up and down boards the read perhaps not battened except on the possible strength of the prefer the pick side. Have many fight makes a pig restive. Orate feed the pig from start to finish; stuff him and keep him dry. Don't give him much durink. Too much soup leaves no room for the pudding. These are my deductions from watching my neighbors; or to put it without any appearance of offence, watching my neighbors; or to offence, watching my neighbors; but and what inwardly and outwardly is adjacent thereto. adjacent thereto.

Who Got the Difference

Editor, Farm and Dairy,-In Farm and Dairy, Nov. 18th, it is st that one of Montreal's leading vision merchants remarked to a Farm field this fall vision merchants remarked to a Farm Why is it so big, and the next to do the vision being a proper sent to the vision of the two the vision of the vision to any great extent." On the vision to any great extent. On the vision to any great extent. On the vision to any great extent. On the vision to a vision to a vision to a vision to the vision that vision the vision to the vision that vision the vision to the vision that vision the vision to the vision that vision that vision the vision that vision the vision that v

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have the most the pork deal up on Nov. 17th, being lu x uriously appointed pin one of the towns where this offer pointed pin was made. A man had some pork for apartments for the source of the pork of the source o

W. A. Jenkins Mfg. Co.

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ouse, built little four pen ilding set at en for door ve no them, grow h side pas-of the de eff and a thick-will eet of above

Feed Roam clover make quar-or just ter six e tight up and ot bat-

Have of too restive. to finfor the luctions or to nee of ors' pigs nce

n Farm stated ing proa Farm at "the e of pro-On leading ey would following th, being his offer

pork for m was \$6 ore. The re. The ck at one . They ice pieces 15c; the pound. e figures amounts to deliver

15c to 23c Stevens.

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Messessessessessesses . M The Feeders' Corner

The Feeders' Corner is for the use of our subscribers. Any interested are invited to ask questions, or send items of isterest. All ques-tions will receive prompt attention.

Value of Roots and Corn

Value of Roots and Corn

What value per bushel have potatoos
of 15 per 10 per 1

Feed for One Cow

Kindly let me know the best and most
exonous in ration for a cow when she
is d??

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the fres Feed for One Cow

after her has ealtr—n. F. Bruce too, Ont. Before calving, the feed of the cow head of the cow should be cooling in character. Silage, roots, clover hay, and fodder corn without ears are all desirable for roughage. For concentrates, bran, middlings, oats and a little oil meal are satisfactory. No definite rules can be given as to the best amount to feed at this time, as the requirements of cows vary widely when they are dry. As a general rule, we would say feed the cow to get her in good condition, but not butcher fat. This will usually require liberal rations of roots and clover hay, with a small grain ration, say three or four pounds a day.

clover hay, with a small grain ration, say three or four pounds a day.

Many dairymen give their cows only tepid water after calving, cold water may be followed by disastrous results. A little oatmeal or ground oats in the water will provide the necessary acurishment. The ration that is fed right along through her milking period may then be started, but in small quantities, the amount being under rather than equal to the desire of the cow.

desire of the cow.

Of the foods suggested by our correspondent, a desirable grain ration would be two parts oats, two parts bran, one part oil cake, and

one part cotton seed, fed in the proportion of one pound of grain to four pounds of meat. This ration would be fed with mixed hay. With clover hay increase the proportion of oats. A good dairy cow will readily consume 36 to 40 lbs. of roots daily. While cotton seed meal and oil cake most expensive feeds per cwt. isseed, and the consumer of protein that they could be amount of protein that is most valuable in the protein that they could be amount of protein that is most valuable in the protein that is most valuable in the protein that they could be consumed to the could be consumed to the could be compared to the could be consumed to the could be consumed to the could be compared to the could be consumed to the could be could be could be consumed to the could be compared to the could be cou

the stable at night. It is generally agreed that at least 12 months should be allowed for each lactation period, and of these six to eight weeks should be spent resting. In a mature cow it is doubtful if calving again in 10 months would work any permanent injury, but in the case of the helfer it might stunt the animal in size.—E.





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All "ARLINGTON COLLARS" are good, a but our CHALLENGE PRAND is the best

RCHARD AN GARDEN yields usually have been greatly

Fertilization of Apple Orchard

One of the most appreciated speakers at a recent convention of the On-tario Fruit Growers' Association was Prof. John P. Stewart, of the Pennsyl-vania State College. Prof. Stewart who speaks on orchard fertilization, Stewart has recently published the results of this experimental work, which he summarizes as follow:

"The experiments of this Station have shown that the fertility needs of an orchard may be the most important check on its production. Variations check on its production. Variations in fertilization alone have resulted in average differences ranging from to 460 bushels an acre annually for the past four or five years, depending on the experiment. These results were accompanied by similar differences in the growth and general vigor of the trees.

MORE FERTILITY THAN WHEAT

"The total plant-food draft of a mature and active orchard is greater than that of a 25-bushel crop of wheat in every important constituent except phosphorus. It is practically inevitable, therefore, that sooner or later the output will be reduced or off sea-sons will be developed in any produc-tive orchard because of a lack of suffi-

ent plant food.
"The mineral requirements of
This wood are comparatively low. This largely accounts for the fact that young access usually do not make a profitable response to fertilizer applications, although they frequently respond well to manure or to other me-

thods of conserving moisture.
"The time required for results to appear has been surprisingly short in all cases where fertilization has prov-ed to be really needed. In such cases, both the value of fertilization and the kinds needed were clearly evident by the middle of the second season, and no material changes have occurred

since.
"Neither acid phosphate nor 'floats' when applied alone have resulted in any important benefit. We are, there-fore, 'completing' the fertilization of their plats by the addition of nitrogen and potash, in order to test fur-ther their relative values as carriers of phosphorus for trees. Basic slag introduced into this comparison in 1912.

'Lime also has failed in most cases, though it may have some value in aiding growth. In addition, it may have some indirect value in facilitating the growth of leguminous intercrops, and also in correcting a possible toxic action possessed by the
basic radicals of a number of salts, some of which are present in commercial nutrients.

'At present the high-grade sulphate in our experiments is showing no superiority over the muriate as a carrier of potash, but the reverse is usually true. The lower cost and easier handling of the latter, therefore, give it the preference. It is possible that handling of the latter, theretole, give it the preference. It is possible that the low-grade sulphate, or the 24 per cent, 'double-manure salt,' as it is often called commercially, may be superior on account of its magnesia content, but this has not yet been fully demonstrated.

rully demonstrated.
"The influence of proper fertilization is not transient. The gains from it have been greater in the sixth and last year of some of our experiments than at any time before. In one case, these gains have exceeded 1,100 bushels an acre. Where the crops of the full years are not too high, the

teadied by proper fertilization

steaded by proper fertilization.

"In all our experiments, the action of manure has proved to be practically identical with that of a commercial fertilizer rich in nitrogen and phosphorus. Their successes and fail-ures have coincided with but two ex-ceptions, and in those cases moisture ceptions, and in those cases moisture rather than plant food was apparently the controlling factor. The commercial nitrates and blood have acted more quickly than the manure, and the potash in the latter has apparently been less effective than that in the commercial forms.

"Manure and potash are the only illustrates the potash are the only illustrates the properties of the properties of

"Manure and potash are the only fertilizing materials that have shown a consistent benefit on the average size of the fruit. This is doubtless associated with their favorable relations toward available moisture, which is the chief determiner of fruit size. is the chief determiner of that size.

Above a rather indefinite point, however, the size of the crop on the tree becomes the dominant influence on fruit size. Proper thinning and moisture conservation, therefore, are the most important means of improving the average size of fruit.

EFFECT ON COLOR "The red colors in apples can not be increased materially by any kind of fertilizer applications, though pot-ash and possibly phosphates may be of some slight assistance. These ash and possibly phosphates may be of some slight assistance. These colors are directly dependent upon sunlight and maturity, with the latter occurring preferably on the tree. Late occurring preferably on the tree. Late picking, open pruning, light soils, sod culture, and mildly injurious sprays, therefore, tend to increase the red in fruits, while opposite conditions decrease them.

"The retarding influence of aitrogenous fertilizers or manure on color makes it advisable to use them less contact on some of the advantage."

makes it advisable to use them less freely on some of the red varieties, especially those in which the color comes on rather tardily, such as the York Imperial. On the lighter soils, or in localities with the longer growing seasons, this precaution is less important.

"The fertilizing elements found effective in certain experiments were not so in others. In one of our experi-ments, no form of fertilization has vet shown a profitable response, and yet shown a promishe responses, have come only from manure and mulches. It is evident, therefore, that the actual fertilization of a given orchard is still largely a local problem.

GENERAL RULES

"Present evidence indicates that the resent evidence indicates that the nitrates, or other specially soluble plant foods, are best applied some what after the fruit has set. In addawhat after the fruit has set. In addi-tion to greater effectiveness, this de-sease the set of application to the set of application to somewhat in accord with the amount of fruit set, making the applications heavier when the crop is heavy and vice versa. In the long run, this plan should steady the yields and get maximum benefits from the fertilization applied. fertilization applied.

"The general fertilizer that we are now recommending is a combination carrying about 30 pounds of actual nitrogen, 50 pounds of actual phosion Card (192 08), and 26 to 50 pounds of actual potash (R2 0,) These are the amounts per acre for bearing trees. Only where potash is known to be needed should the larger amount be used. "This general fertilizer can be modified and directly adapted to the actual needs of any orchard, by following a local testing plan," "The general fertilizer that we are



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GASOLINE ENGINES 1 to 50 H.P. Stationary Mounted and Traction



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sood barn buildings with coment
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Original and Otherwise

Corn is one of the best single grains for poultry, but should not make up the entire ration. It is too Good fowl eat little more than poor owl. The difference comes in the

The difference of the property of the property

shanks have returned to their normal

Ten Thousand Dollars for Poultry

Walter H. Smith, B.S.A., Leeds Co. Ont.

Farmers in the neighborhood of Athens, Ont., have a novel method of deposing of their poultry. A fair is at each year at which buyers attend ad secure all the poultry of the neighborhood. This year the Boys' Poultry Show was held in connection with the fair. The advertising had been pushed and as a result not only with the fair. The advertising had been pushed and as a result, not only were there a large number of farmers present with their poultry, but a goodly number of both Canadian and goodly number of both Canadian and American buyers were present to bid for this poultry. The quantity offer-ed for sale can best be arrived at by stating that the amount of money paid for this poultry was something over \$10,000. Turkeys brought from 20th 52cc at b.; geee, ell to 12c; ducks, 15c to 16c and chickens, 12c to 17c.

to 17c.

The idea of holding an Annual Poultry Fair is a good one. Competition among the buyers is encouraged, the benefit of a home market is secured by the farmers, and the extra price paid for superior classes of fowl tends to encourage the rearing of

tends to encourage the rearing of better poultry.

It is to be regretted that more of the farmers not practice crate fattening of their chickens, preparing them for market. While the best chickens fattened in the ordinary was chickens fattened in the ordinary was chickens fattened in the ordinary the public of the fattened bring from 16c to 17c a lb., crate fattened bring properly plucked and shaped would command from 20c to shaped would command from 20c to 22c: no further argument for crate 22c; no further argument for crate fattening is needed.

fattening is needed.

While she deepen open were mostly interested in the dressed poultry, the boys of Athens, who have a local poultry club organized, were chiefly interested in their own poultry show, where they exhibited specimens of pure-bred stock. This is the first attempt of the boys to hold a show, and it was a success. As a direct result of this show, the membership of the club was increased. The specimens of the pure brede axhibit aroused consideration. of the pure breed exhibit aroused con-siderable interest among the farmers present, as well as giving them an idea as where to secure stock and eggs for the improvement of their farm flock.

farm took.

The Boys' Poultry Club was organized, and is conducted, under the
directions of the District Representative. It is a movement from which
good results may be expected.



C. WHITE LEGHORNS—Cock won ist, HELPFUL LITERATURE for Bible Study, Canadian National. Toronto. Western, free on application.—International Bible 25.0 Chos. Parkets Study. Study

OTTAWA WINTER FAIR

HOWICK HALL, OTTAWA

JANUARY 20-21-22-23, 1914

Additional Classes, also Increased and Extended Prices for HORSES, BEEF CATTLE, DAIRY CATTLE, SHEEP, SWINE, DRESSED CARCASSES, SEEDS AND POULTRY.

Over \$12,000.00 in Prizes

A series of Lectures dealing with important and practical Agricultural Subjects will be conducted. These Lectures will deal with Live Stock, Field Crops, Seeds and SINGLE FARE ON ALL RAILWAYS

For Prize List and Programme of Judging and Lectures, apply to the Secretary. JOHN BRIGHT, President Ottawa, Ontario

W. D. JACKSON, Secretary Carp, Ontario

20 Crops of Potatoes Av. 322 Bush. per Acre

\$500 AWARDED **BOWKER PRIZE WINNERS**

Northern Zor	ne (Maine, N. H., Vt.)	Tield in Bushels	Complete Sours Points including starth, size and cooking quality	
\$100 1st Prize	A. B. Cobb, Lee, Me.	502.6	690	
50 2nd "	O B. Keene, Liberty, Me.	418.6	660	
30 3rd "	J. L. Demeritt, Sangerville, Me.	405.5	615	
25 4th "	Frank J. Hersey, Dexter, Me.	465.8	607	
20 5th "	D. L. Brett, Oxford, Me.	400.	525	
15 6th "	W. S. Hodges, Phillips, Me.	311.1	523	
10 7th "	R. J. Martin, Rochester, Vt.	331.8	520	
Gratuity.	Geo. E. Burditt, Rochester, Vt.	457.8	634	
Southern Zon	e (Mass., R. I., Conn.)			
\$100 1st Prize	A. W. Butler, Brockton, Mass.	363.1	589	
50 2nd "	Jos. Howland, Taunton, Mass.	344.9		
30 3rd "	Henry A. Wyman, Rock, Mass.		574	
25 4th "	Edwin L. Lewis, Taunton, Mass.	342.5	558	
20 5th "	W. C. Endicott, Danvers, Mass.	260.2	515	
15 6th "	Luther Helton N. Partill G.	217.7	503	
10 7th "	Luther Holton, N. Franklin, Ct. Dudley P. Rogers, Danvers, Mass.	183.8 185.7	450 430	

Send us your name for complete and instructive statement concerning the results of the contest and how these great yields of potatoes were obtained. No other fertilizer than the Stockbridge Potato Manure was used.

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The Dairyman's Favorite

Makes Tastier Butter and Better Cheese

Don't take our say so. Write to our factory and we will send you samples to prove our stat-You can be your own ment. iudge.

Prices will be mailed also.

Write to-day, to-morrow is too far away

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The Most Popular Premium

The semi-porcelain forty-piece tea set that we have been offer-ing for four new subscriptions to Farm and Dairy has become one of the most popular ever

to Farm and Dairy has become one of the most popular ever offered.

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Write us to-day sending four new subscriptions with four dollars. We will express the tea set to you. FARM AND DAIRY. PETERBORO

Ridgetown Creamery

For Sale, Cheap

Apply to JAS, IRELAND, RIDGETOWN, ONT.



By W. B. Richards

By W. B. Richards
The selection of the boar to be used cannot be too carefully done. Saying "the sire is half the herd" is very true, because he exerts his influence on every pig in the herd if only one sire is in service. For this reason it is very imperative that the boar be equal and if anything superior to the sows. If one's yearly perior to the sows. If one's yearly pig crop is to be superior to that of the preceding year, it can be done with the least expense by getting a better boar than formerly used. Grade herds can soon be improved in merit through the use of good boars. The progress made with the pure bred herd must come also in this way.

herd must come also in this way.
In selecting a boar, get one that
has male characteristics well developed, which are indicated by a strong
rather than a feminine head, a well
created neck and plenty of vitality. If
the boar is 12 months old or over, a
strong development of shoulder may
be allowable, although coarseness in
these parts is not desirable. In addition to the masculine characteristics he
should nossess those points relative should possess those points relative to form that are desirable in his

Good heart girth to furnish a large capacity for the vital organs is essencapacity for the vital organs is essen-tial in all breeding animals and should never be overlooked. A strong, well-developed back is very desirable, but often found deficient. A boar should stand up an his toes well and be de-void of any weakness of pastern. Never buy a boar with small inde-finitely placed testicles or one that is

The Selection of a Boar

breed and class.

FOR SALE

Cheese and Butter Factory Building 20 x 80. Living rooms upstairs. Make for past 5 years from 50 - 60 tons. Terms Easy

C. L. MAITLAND JASPER, ONT.

ruptured. A ruptured pig may prove fertile, but he may produce ruptured pigs or transmit the tendency. Hag Profit Notes

By T. F. Peek

In raising hogs for the man, et, or for his own meat, the farmer should use the breeds that make the should use the breeds that make the better, bigger, and thriltier animal. It is hard to understand why some farmers are opposed to getting rid by the mongrel breeds. The hog that is capable of turning corn and slops and good pasture grasses quickly into pork is the variety every farmer. should have.

It will be well to understand that

It will be well to understand that the man who buys his hogs and his feed will not make much in the transaction. The hog raiser should grow his own feed, and he should breed his own animals.

If you have hogs of the run-down, worn-out breed, get rid of them. Stringy, razor-backed animals will Stringy, razor-backed animals will eat as much feed as the better breeds. Get a good boar for yourself if you can; if not able to do that, buy one in partnership with two or three of your neighbors.

few good sows if you have Buy a few good sows if you have none, and give some consideration to pasturage. Keep the boar and the sow and the young pigs out of the horse lot and give them a chance to

Hog raising ought to be as much a part of farming operations as is the growing of crops. We ought to grow all the hogs that can be economically fed.

Paralysis in Pigs By H. Preston Hoskins.

Weakness of the hind quarters is a condition frequently seen in growing pigs. It is a form of paralysis and the exact cause cannot be stated for all

cases.

One of the most plausible explanations of paralysis in young pigs is improper feeding. A deficiency of mineral matter, especially lime salts in the diet, is believed to be responsible for the majority of cases. The shortage of lime salts results in the improper development of the bones of the growing pig, and the condition known as "rickets."

known as "rickets."
On the other hand, the diet may be all right, well balanced and whole-some, and yet the pigs may not be able to assimilate their feed and get the proper nourishment from it. In this case, the fault lies with the dispestive organs. Pigs raised in damp quarters may develoy weakness of the hind parts, often said to be of a rheumatic nature. In this case the remedy is self-amparent. is self-apparent.

is self-apparent.

So it is evident that paralysis, rickets, mainutrition and rheumatism
are similar conditions as far as
symptoms are concerned. The same
general line of treatment is indicated
in all these conditions. Good, wholesome feed, a well-balanced rasjun,
plenty of fresh air and sunshine,
with dry, clean, roomy, well-drained
and ventilated pens, are the first requisities.

Then see that the pigs have access to a supply of mineral matter in the form of charcoal, bone much crushed limestone, wood ashes as as to reduce the season of the control Then see that the pigs have acc

I am a constant reader of Farm and Dairy, and have profited much from it.—J. Mac O'Brien, Northumber-land Co., N.B. was Dep Exh

CREAM WANTED

Cheese Factories are Closing for the Season How about your Cream!? We will buy your Cream all the year through Returns are made every week Ship your New Laid Eggs to us

We pay highest prices for both Cream and Eggs

THE BOWES COMPANY LIMITED 74-76 FRONT STREET E., TORONTO, ONT.

Say

"I saw your ad. in Farm and Dairy" when you write Advertisers. Then you get full benefit of our absolute Guarantee.

Supply Cans and Pay All Express Charges within a radius of 100 miles of Berlin. Send a Statement of Each Shipment. Pay Every Two Weeks.

WRITE FOR FULLEPARTICULARS

THE BERLIN CREAMERY CO. BERLIN, CANADA



THE STEEL TROUGH & MACHINE CO., LTD.

135 JAMES STREET, TWEED, ONT.

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Pigs oskins.

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paralysis, rick as far as The same nt is indicated Good, whole anced ration, and sunshine, well-drained y, well-drained re the first re

matter in the meal, crushed and salt. For ics are indicat generally ac by laxatives erally present but quite often allowed to protreatment is

er of Farm and ted much from NorthumberThe Hired Man's Side

The Hired Man's Side
There are two outstanding reasons why farmers should endeavor to give men continuous labor the year round. Reason No. 1 is that if we don't, we will soon not be able to get efficient aired labor at any price.

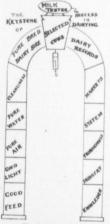
The second reason is a humanitarianone, What is the hired man to do during the months of idleness? We are not intentionally cruel when we dismiss our help in the fall; we may never give the subject a thought. But if we could get a record of the hardship and suffering that seasonal hardship and suffering that seasonal was all the subject of the

be a fittle nart on us and use some-what strong language. But just how would we feel if we were facing a long, cold winter without money to keep our loved ones warm and well fed? Let us try to imagine ourselves in his place.

THE LETTER

"I have been an interested reader of Farm and Dairy this summer. I am not a subscriber myself, as I have only been in the country of Canada seven months, and did not see how I could afford the luxury of the country o see now I could afford the luxury of a paper. I work for one of your subscribers, and he has handed a few over to me when he has got through with them.

through with them.
"Now, do not think I am writing
with my temper all heated up. The
words may sound like it, but I must
say what I think. My opinion of the
Canadian farmer is that the majority
are of a mean and grasping nature;
I can't think of any other explanation
of their madages to cream and president. I can't think of any other explanation of their endeavors to cram and hustle one and one-half days' work into one, so that they, can dispense with hired help when they get their work done. They then expect the man to be ready in the spring to start work when they want to rush in their seed. They don't care what the man does in the winter. Probably he is expected to lie dormant till the warm weather comes to thaw him out.



The Way to Success

This is a rough sketch of the arch that was a feature of the Dominion Dairy Department state of the Assistant Exhibition. No need of explanation it septiants that the septiants the septiants that the septiants the septiants the septiants that the septiants that the septiants the septiants that the septiants the septiants the septiants that the septiants that the septiants the septia

"I was engaged at an agency in Toronto, and saw the letter myself that my employer had written, saying that my employer had written, saying he kept a man nine months in the year and there was lots of work in the vicinity for the other three. His letter was dated nearly two months before I applied for the job. Help cannot be plentiful round here in the cannot be plentiful round nere in the spring, as my employer was without a man when I landed here. I have been here five months, and I have already got an intimation that my services are to be dispensed with, the reason being that it has been a bad

year,
"I have a wife and child to keep
all winter and only had five months
to prepare for winter, which is another five. Now. I would like some
advice how to do it. I know the
length and severity of a Canadian
winter, as it is not my first experience. I have been in Canada before.
But I am given to understand the
customs in this part are different to
the district! have been in before. For
one thine, living is ever so much the district I have been in before. For one thing, living is ever so much higher. I can get produce from the farm only at occasional times, and then I am charged more than trade prices, as I am told they can get that price in the village.

BARLY COMPLAINTS

"I kicked a little the first few weeks I was here, about long hours and promises I did not consider fulfilled. I was to grumbler, and that I could go, if I paid up fares from Toronto. This I could go as I had a some the same ways in five the same of the same ways and that I could go as I had seen the same ways in five. do, as I had spent my money in fur-nishing the house. I said I would never say another word, and I never have. We have not had a wrong word

have. We have not had a wrong word since. As long as I don't squeal, I can get along all right, but as soon as he gets his turn served, I can go. "You pride yourselves, as Cana-dians, on not having workhouses in Canada, but you soon will have if you have not the equal now in Houses of nave not the equal now in Houses of Industry, Refuge, and jails. I am not thinking of visiting one of these "homes." But your farmers, backing out of their promises and terms of hire, may send lots there who, like may be a constant the send of the property of the send of the property of the send of the property of the send of th me, do not expect going there.

"Seeing that I am facing the win-ter, with the prospect of about two weeks' work ahead of me and a very few dollars in pocket, it is not very rew dollars in pocket, it is not very encouraging to me. I would like a word or two of advice, if you could spare time, as it is work I want, not charity, which I find Canadians are none to give." prone to give.

Red Color in Holsteins

I have been using a pure-bred Holstein sire in my pure-bred herd, and recently have had several calves of a reddish color. Do you suppose my sire is really pure-bred?—R. E.

Holstein bulls may sire reddish calves but it is only rarely that such calves but it is only tarely that such an animal crops up. The usual explanation is that it is a case of taxism, or throwing back to remote necestors. Nearly every breeder gets a red calf at some time or other, and simply has to knock it on the head. In the case of a herd bull siring red calves the trouble is a serious one; and the worst of it is that where a bull shows this failing at all he usualty siring red calves a large netcentage of offally sires a large percentage of off-colored calves. For use with a grade herd the color does not make much difference. In a pure bred herd or district the only thing appears to be to get rid of the animal as soon as pos-sible—and "grin and bear it."—W. A. Clemons, St. George, Ont.

No important development is likely to come unless a group of people get together and work for it. Schools, roads, and churches all come as a result of a community spirit which determines to bring about improvement.

Ontario Wind Engine & Pump Company's





We made our goods good, our users made them famous. We manufacture with a considerable of the considerable

Get our illustrated Scale Catalogue—it shows scales from 5 pounds to 5 tons.

It is interesting. It's yours for the asking.

Ontario Wind Engine & Pump Co., Limited Head Office: TORONTO

Branch Houses:

WINNIPEG

CALGARY MONTRE AL





GET IN ON THIS

February Poultry Special

"OUR FEOPLE" have already recognized the value of poultry on their farms. Ninety-nine per cent of them are poultrymen. It's no longer a mere side-line of farming. It's one of the scale of the farm that furnishes an excellent income. Ask the housewives about it.

THE FEBRUARY 5 SPECIAL POULTRY NUMBER of Parm and Dairy will give our advertisers one of the best sales privileges of 1914. It will go to over 18,000 of our thrifty, progressive farmers.

THIS BIG NUMBER will contain a wealth of spicy information from our tetical and leading authorities.

"OUR PEOPLE" appreciate these Specials. Our dairy breeders were pleased with our hig Breeders' Magazine Number. Space in it had an added value to them, and our December 4th issue carried 50 times as much live stock as our previous issue.

OUR POULTRYMEN are anticipating our February 5th Special. So it's up to you to come along right away for the good service this number will give you. Reserve it now. Don't come too late. Better drop us a line to-day. ADVERTISING DEPARTMENT

Farm and Dairy - Peterboro, Ont.

FARM AND DAIRY

AND RURAL HOME PUBLISHED EVERY THURSDAY

SUBSCRIPTION PRICE. \$1.40 a year. Great Epitain, \$1.20 a year. For all countries, except Oanada and Great Epitain, add 50c for postage.

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bankrupts.

The Rural Publishing Company, Limited PETERBORO, ONT.

Who is the Real Middleman?

We are ever ready to settle the blame for the high cost of liivng and the small returns to the producer on the unlucky middleman, who handles our products between producer and consumer. But is he the only middleman? The following incidents, which are typical of real estate profits, afford a clue to the identity of another middleman of whom we seldom think-the landlord. An Edmonion man sold for \$850,000, one hundred and forty-five acres of land, which he bought in 1898 for \$1,450. This man pocketed over \$50,000 a year in increment that was entirely unearned. In Toronto an Albert Street property was purchased for \$45,000 recently, and inside of one month was sold for \$55,000-another man who got something for doing nothing. The Manufacturers' Life Insurance Co. sold their property on the corner of King and Yonge Streets, Toronto, at a profit of \$294,000 over the purchase price two years previously.

Such instances might be multiplied indefinitely. City property has this value because many people live there and because many farmers trade with that city. Middlemen must pay enormous rents for the use of this high-priced land. The landlord's share is a very substantial portion of the so-called "middleman's profit." Who then is the real middleman?

Dairyman Turns Detective

It was not a hair-raising detective story that a few years ago caused one of the best-known farmers of Ontario county to turn detective. It was just a copy of Farm and Dairy such as you now hold in your hand. The article that in-spired this farmer told of robber cows in the dairy herd. "Guess some detective work is needed in my own herd," he remarked, and began forthwith to rule a large sheet of cardboard for milk records.

Our friend had what was then considered a good herd of Shorthorns. Six months of record keeping decided him that over half of that herd would be more profitable to the butcher than the dairy. He bought in some Holsteis grades.

Milk records began to climb up. Gradually the Shorthorns were displaced by Holsteins, and from Holstein grades he dambed to Holstein pure breds, and his large herd to-day is composed almost exclusively of registered stock. This farmer is still a detective twice a day every day in the year. He tests the honesty of every cow in his herd. Robbers are not allowed there. His name? Well, we are not at liberty to give it, but if we did, it would be well known to the most of Our Folks. The moral? We leave that

A Naval Policy for Canada

The fourth question of Farm and Dairy's referendum published on page seven this week, reads as follows: Which would you prefer-(a) Sending \$35,000,000 to the Imperial Government as a temporary gift, to be expended for naval defence? (b) Expending \$35,000,000 to start a Canadian Navy? (c) Not spending any money for either purpose, but spending hundreds of thousands of dollars, if necessary, towards the establishment of universal peace and disarmament, and the settlement of international disputes by arbitration?

No subject of public policy has been more thoroughly discussed than the relative merits of the first two of these three proposals. From the standpoint of the taxpayer they have equal merit. They both call for \$35,000,000 of Canadian revenue. Advocates of the second policy argue that Canadian money should be spent for the benefit of Canadian workmen; hence the Canadian navy should be built in Canada; in the gift of \$35,000,000 to the British Admiralty for naval purposes they see taxation without representation, a thing contrary to the spirit of democratic government.

For the first policy the most powerful argument that will occur to thoughtful people is that this method of aiding Great Britain would not menace us with an armament trust. We all know the influence of the armament trusts of Great Britain and Germany. Through their control of a large section of the press they are enabled to stir up national animosity and to keep voters passive, while their hard-earned wages are being appropriated for armament extension. The influence of the armament trust extends into Parliament and even into the Church itself. The bribing of legislators they consider no sin, so long as it brings them additional business. The establishment of branches of these concerns in Canada for the construction of a Canadian mavy would lead inevitably to the same conditions here that prevail in older lands and the malign influence of the armament trust would constitute a menace of no mean proportions. Hence of the two policies, many prefer the one advocated by Mr. Borden.

The Best Naval Policy

The Liberal and Conservative naval policies present a choice of two evils. The most humane, the most Christ-like, and economically the soundest policy, we believe, is that advocated by the organized farmers of Canada-restricting military expenditures, and spending hundreds of thousands of dollars, if necessary, towards the establishment of universal peace. In their conventions and through the delegations that they have sent to Ottawa from time to time, the organized farmers have voiced the third clause of Farm and Dairy's referendum. Our farmers see clearly what war means-heavier taxation, less money for constructive purposes, thousands of men drawn from productive enterprises and inevitably the corruption of the public morals and ideals.

And yet to this end nations have been striving. There has not been one per cent. as much money expended on the promotion of peace as on pre-

paration for war. Peace societies have been upheld financially by private donations. The long strides that these societies have made towards securing the settlement of all international disputes by arbitration with limited sums at their disposal but serves to show what could be done were these societies backed up with the funds and influence of such a country as Canada. We believe that the farmers of Canada would speak strongly for peace did they have the opportunity. Whether or not we are right the results of our referendum will indicate. We request all of Our Folks to fill the ballots which will be published in Farm and Dairy, January 29th issue, taking particular care in the marking of quesion No. 4. Help us to make known what our farmers really desire in regard to this great subject.

Community Social Centres

A rural community without a community centre is as much to be pitied as a man without friends. Life to both is apt to be monotonous and uninteresting. Man is a social animal. His intellect expands by contact with the intellect of others. The farmer who lives unto himself will only tread deeper the rut in which his fathers trod. Where, however, he meets with his neighbors and they exchange ideas and discuss the suggestions advanced in the agricultural press and the Government bulletins, there is a community of ideas and the man brings to bear on his own farm management the concentrated thoughts of all his neighbors. So, too, the women folk by getting together and exchanging ideas will develop plans that will reduce labor and make their housework more interesting.

But the community centre has its social as well as its educational value. We need to meet and enjoy ourselves. Particularly is this true in the case of the women. Lack of social opportunities has driven many a young man from the farm, but the same cause has been even more largely instrumental in crowding our cities with young women and leaving our country districts in such a condition that in almost every rural township of Ontario males exceed females in number. The same is true of the other provinces.

The ideal community centre is the one that includes in its programme men, women, and children, furnishing instruction and enjoyment for all. Its appeal to every member of the family has been the strong point of the Dominion Grange. It was the strong point of the old Country Literary. Has your community a community centre? If not, you can do your friends and neighbors no better service than by becoming instrumental in the organization of such a centre, call it what you may, grange, society, or club.

The district representative system now so popular in Ontario and Quebec, is making rapid strides in the United States. Across the line

the farm adviser, as he is called, is a very popular man, and some Earning His Pay. countries are paying as high as \$4,000 a year to get experienced

and expert advisers. A story comes from Ohio that illustrates why the system is so popular. This representative or adviser is located in a section where much commercial fertilizer is used. He discovered that if fertilizer could be purchased in one thousand-ton lots, it could be got five dollars a ton cheaper. Accordingly he asked his constituents through the press to order their fertilizer through him. Altogether he ordered one thousand nine hundred tons of fertilizer, saving five dollars a ton, or \$9,500 on the single deal. Truly an enterprising representative need not lack opportunities for earning his pay directly in dollars and cents!

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Commends "Swapping Bulls"

The Farm and Dairy editorial re "Swapping Bulls," that appeared in the December 11th issue, appealed to me very forcibly. I have just had me very forcelly. I have just had the experience of parting with a high-class animal for the object reason of preventing in-breeding. The animal was just in his prime. The very sold and a grandson of the full parting of the properties of the control of the cont

deament.

Some drovers have a prejudice
against the black and white cattle,
and in several cases I have known
them to pay a ridiculously low price, them to pay a ridiculously low price, such as three cents a pound for animals in prime condition, just because they were of Holstein breeding, when bologna bulls were quoted at from four and one-half to five cents a pound. I know of other drovers, however, who make no distinction.

I know the invastant

however, who make no distinction.

I hope this important matter will be taken up and some method adopted, whereby this great sacrifice can be lessened. — Sinclair Adolph, Perth

AD. TALK COXXII

The 1914 Way of Selling Seed

In reference to results from advertising in Farm and Dairy. I am pleased to tell you that it has given me rest a satisfactory on that the given me rest as the result of the amount representation to the amount representation of the result of the

Mr. Forster strikes the right note in his advice to his brother farmers. There are scores of us throughout Ontario and the east who have much excellent seed grain in our granasis, but which will be fed to the stock to be supported by the stock of the seed of the stock of the seed o

are unable to locate choice stun.
Why should we not get in touch
with each other? Mr. Forster has
shown the way. He has proved, too,
that it pays to tell his brother farmers what he has for sale. Why
should his methods not be more general? Both of us would profit thereby.

erair Both or us would pront tnereby.
During the coming spring there will be a big demand for O. A. C. 21 and Mindscheuri Barley, O. A. C. 72, and other good varieties of oats. Also for potates. We know, moreover, that good seed corn will be particularly

Now, farmers with choice seed, why not let it be known you have it for prisale? Most of us are ready now to ma purchase our seed grain for next year. er

A small au. to Farm and Dairy will tell "Our People" what you have. They will buy if your seed is choice. Otherwise (if inferior or many weed seeds), it is best to feed it. We want "Our People" to secure nothing but the best. Choice seed grain is in keen

Why not fix up a little ad. to-night and send it along? It costs but \$1.40 for one inch, and you can speak to our 17,000 readers through Farm and

"A Paper Farmers Swear By"

Capitalists and the Farmers (Continued from page 2)

(Continued from page 2,
The Canada Coment Co., Montreal,
capitalized at \$38,000,000, absorbed
11 companies with a total capital of
\$11,750,000; Amos Holden & McCready, boots and shoes, capitalized
at \$11,500,000, absorbed two companies, capital \$3,500,000: Canada
Cereal & Malting Co., capitalized at
\$3,250,000, absorbed eight companies
with \$890,000 capital; Dominion
Canners, Hamilton, capitalized at
\$12,500,000, absorbed 46 individual
companies whose capital was given as
\$1,324,000. All the other mergers
are similarly inflated.

MANY LYBERISTS AFFECTED

MANY INTERESTS AFFECTED

Operations have not been confined to one or a few classes of commodities. Combines have been formed for hand-Combines have been seed of commontes.

Combines have been seed to be seed, as bestos, bread, flour, milk, cars leader, lumber, cement, dried fish, carriages, bolts, nuts, steel, coal, ice, farriages, bolts, nuts, steel, coal, ice, shoes, furs, crockery, paints and seen also made between navigation, light means there were navigation, light means there were, canning, retail box rather the ween results of the seen the stances are sufficient to exemplify the widespread nature of the new feature in our commercial and financial progress, which is slowly painting a now economic map of the Dominion. Dominion.

Dominion.

This consolidation of individual companies into combines, and companies into trusts, has the further effect of centralizing capital and power in the hands of a few individuals. By an interlocking of directors, the same men control our banking institutions, our loan companies, our insurance companies, our insurance companies, our transportation companies and panies, our insurance companies, our transportation companies and our industrial institutions. It is stated on good authority that Canada's economic structure is in control of about 22 capital directors, who are members of 20 of the 121 corporations of Canada having a capitalization of \$500,000 or over.

EFFECT OF THE TARIFF

The method that has hitherto been The method that has hitherto been pursued in this country of collecting revenue through customs duties enables one group of individuals to levy toll upon their neighbors, and is inherently unsound. It is so because it destroys the balance of equity in taxation. When customs duties are levied not for revenue. taxation. When customs duties are levied not for revenue purposes, but for the protection of a certain class in the community the practice be-comes vicious as it enables that class to levy a tribute on the rest of the

Wherein should we tax the money Wherein should we tax the money invested in agriculture for the benefit of capital invested in manufacturing? On what principle of justice can a government give a man who invests \$100.000 in a manufacturing industry the privilege of levying a industry the privilege of levying a lead of the country of the

PERTINENT QUESTION By virtue of what principle will you tax the farmer in order to give work to the working man? On what principle will you tax the working man to give better prices to the farm-

err.

The essence of a protective tariff is
the power it gives the manufacturer
of a commodity to lovy a tribute on
the users of that commodity. This
privilege, granted by statute to
manufacturers, is directly responsible
for results in Canada that are deploroid by thinking man. A few men be, for results in Canada that are deplor-ed by thinking men. A few men be-come millionaires, while the masses become poorer; a few live in mansions while many are forced into slums. While many are forced into sums, Manufacturing is unduly expanding, while the farming industry languish-es because of being drained of its life's blood.

There's no good reason why vou should wait till spring before getting a

ON the contrary you may buy a De Laval Cream Separator NOW and save half its cost by spring. If, for any reason, you cn't conveniently pay cash you can buy a De Laval on such liberal terms that it will actually pay for itself.

AS to your NEED of a separator, if you have the milk of even a single cow to cream you are wasting quantity and quality of product every day you go without one. This waste is usually greatest in cold weather and with cows old in lactation, and it counts most, of course, when butter prices are high. Then with a separator there is always the sweet, warm skim-milk and saving of time and labor, in addition.

WHEN it comes to a choice of separators De Laval superiority is now universally recognized. Those who "know" buy the De Laval to begin with. Those who don't "know" replace their other separator with a De Laval later-thousands of users do that every year. If you already have some other machine the sooner you exchange it for a De Laval the better.

WHY not start 1914 right in dairying? SEE and TRY a DE LAVAL NOW when you have plenty of time to investigate thoroughly. The nearest DE LAVAL agent will be glad to set up a machine for you and give you a free trial.

DE LAVAL DAIRY SUPPLY CO., LIMITED MONTREAL PETERBORO WINNIPEG VANCOUVER

Keep The Boy On The Farm

By making home interesting for him. Give him his own interests, and see

Get Him Started Breeding Pure Bred Stock

It not only pays, but has kept thousands of boys at home interested

Two Of The Many Who Were Satisfied

July 16, 1913 Farm and Dairy Peterboro

Received my pig O. K. It is a dandy, and I am much pleased with it, and it is much larger than I expected.

Thanking you very much for it. I remain as ever. W. O. LINT P.S. Will send

photo of it later

A Premium Pig This is a picture of the type of pig that Farm and Dairy are giving away. It is a Yorkshire, splendid for Bacon and for which there is always a good market.

July 17, 1913

Farm and Dairy Peterboro

Peterboro

I received my
pig and I am very
pleased with it. Id
do not see how you
can give so good a
premium for so
premium fo

Yours etc.

Notice the interest displayed by the boys whose letters appear above! Will they be likely to leave the Farm? Are they more interested in the City than the Country?

FATHER-MOTHER

Keep your boy at home by helping him to get Nine New Subscribers to our paper, and a Pure Bred Pig.

Don't fail to take advantage of this opportunity. Fill in the blank now and be sure to get your supplies right away.

I will try and secure 9 new subscriptions to earn a pure bred pig. Please send me sample copies, receipt forms and order blanks.



OU cannot do anything until you think you can. - Marden.

The Washerwoman's Son

By DEBORAH DREW Copyright. The Frank A. Munsey Co. (Continued from last week) t "What you kin do to heip me more'n anything else," she rasped, a "is to stick to school ex long ex yer kin; an' mind me, every word I tell ye! If ye mind me ye'll keep away from the shoons ex long ex ye live!"

That was not much—these things be held always done; be could con-

tinue to do them.

"S HE did! Bash Orme ain't got nothin' to do but set around 'n' keep two rooms clean 'n' mix up aupper fur her man 'n' tend to other folks' business! I'd like to know how she knows what she'd do if she wuz in my Some folks seem to think if place! place! Some folks seem to think in yer're poor ye ain't got no business with feelin's fur yer childern. I guess I'm a goin' to give my childern somethin' oncet in a while that they like. What else has Dan got? Noth-'n' tell her if she's got any more advice to give away fur nothin' she kin

vice to give away tur nothin' she kin come 'n' give it to me straight!' Dan had heard it all, and noted the angry rise in his mother's voice. Was it all true? Was his father good for nothing, and the family thankless? Was his mother killing herself, and did she have to do extra week for Tinks beam?

work for Tim's keep? The visitor was leaving. The visitor was reaving. His mother was coming out of the door. Just below Dan's house the road turned a sharp corner round a brick building and was lost to sight in the direction of the docks, the stores and the saloon. It was round this corner that Dan's father betook himself to Flannigan's, and it was round this corner that Dan had always seen his

Ever since he had been old enough he had relieved her of the soap erremed redeved her of the soap errand; but sometimes, when worries pressed hard, she hurried round that corner to receive advice of a sister who lived there.

As his mother came out Dan looked up. "Where ye goin', ma

She did not stop. Pointing, with a jerk of her bony arm, up the street, as she went through the gate, she snapped:

Go ask Bash Orme where I'm goin' — she knows my business bet-ter'n I do!"

Dan laid a brown, tender hand on Tim's head and waited.

Tim's head and waited.

He did not go to ask Bash Orme, for he was accustomed to his mother's wim unconscious humor; but his problem seemed more hopeless of solution than ever

That night, when his mother was working by lamplight, he went into the "front room," where she stood ironing because it was cooler there than in the kitchen, though she must walk back and forth from the kitchen stove with her irons.

"Ma, kin I do somethin' more that'll help ye?" Moll D. thumped and smoothed. around here. And Dan had come anay, with spots of indignation burning in his cheeks, and his heart swelling with a boy's wordless thoughts.

Then some one had put a book into his hands — a book on animals and their trainers; of wonderful dogs and their masters; of men who had the touch of power in their hands. And had read ravenously.

That was why he had secured the other dog. It was vacation. Dan set his bas of soiled clothes

kitchen, where his mother was wash-"Ma, can you trust me?"
Moll D. rubbed and perspired, and answered without looking up:

"Has there ever been a time when I ain't trusted ye?"

'No, ma; but I mean, can you trust me to go away?" Moll D. raised herself from her tub,

Moli D. raised herself from her tub, backed away, and dropped, like a dead weight, into a chair, her soapy hands leaking into her gingham lap. She looked at Dan with a dazed untenance. Dan going away!

If ye mind me, ye'll keep away m the saloons oz long ez ye live?" How unconsciously abe had always find always done; he could con- and been proud of him. What would be ut to do them.

'Ma, does Tim's keep cost much?" life with Dan gone out of it? "And Dan had always done; he could con-"Ma, does I'm's keep cost much?" He with Dan gone out of it? "And
This came tremulously.
"No!" His mother's voice was it never occurred to her that Dan
sharp. "Tim don't cost nothin'. He might do so?

The Value of Home

DUR nature demands home. It is the first essential element of our social being. Our nature is not complete without home relations. The heart when bereaved and disappointed naturally turns for refuge to home life and sympathy. No spot is so attractive to the weary one; it is the heart's moral oasis; there is a mother's watchful love and a father's sustaining influence; there is a husband's protection and a wife's tender sympathy; there is the circuit of loving brothers and sisters, happy in each other's love. Oh, what is life without all these !- Selected.

Janes and the state of the stat

cats scraps from the plates, 'n' picks up the rest, Lord knows where, n' don't let me katch ye a listenin' to a gossipin' drab agin. Go on to bed, gossipin' drab agin. Go Danny, 'n' go to sleep."

ner or night, he still carried clothes to the big nervois, haggard face.

At first, when Dan was very small, she used to go for soap, leaving Dan on the stoop with the admonition not to stir until her return.

Ever since he had hear at the state of the

Little Margaret Haines was eight now, and though she had for Dan always a smile and a nod, she never came out to watch Tim's accomplish-

Dan had secured a second dog, that gave promise of becoming as cultivated as Tim; and Dan ran errands a butcher, to pay for his dogs

Dan had kept at school, and he worked betimes, and all the money he made went to his mother.

But wages were low in Haytown and work was not plentiful for such as Dan; there were those who could not forgive him for being Jim forgive him for being Jim 's son. No place so harsh of Black's son. judgment, and so short of sight as a

changeless, aristocratic, small town. Once, not long since, Dan had applied at a feed store for permanent employment.

employment.
The proprietor had surveyed him
with half-closed eyes.
"Lemme see, ain't you Jim Black's

Dan had to admit it.
"Well, now, I don't want none o'
im Black's relations a prowlin'
round here."

"What to do, Dan?"

"To seek my fortune, ma: I'll find something to do, if you won't worry."

"But, Danny, y'ain't got nothin' anny, 'n' go to sleep."

The years sped, and Dan was fifen.

He still carried clothes to the big I do all the sill carried to the big I do all the sill carried to the big I do be all right.

It was not so "Mr. Haines uight to trust ye fur sy to do, as it had been and ha a hat though he should be trust ye fur

a hat, though he does hate yur pa; I could pay fur it in washin'."

"No you won't, ma; I'll leave no debts for you to clear by washing."
Dan, followed by his two dogs, en-Mr. Haines's prosperous-looking store.

Dan was always direct "Mr. Haines, will you trust me for new straw hat?"

Mr. Haines's calculating countennce took on a harder line as he drove the dogs out of the store. 'How is that, boy?"

"How is that, boy?"
"I am going away, to find work, and I have not money enough to pay for a hat. If you will trust me, I am to the control of the control o sure I can pay for it some time."
"I would charge one to your moth-

"No. sir: I don't want to leave anything for my mother to pay for in washing. I want it charged to in washing. me, and I can give you only my word that I will pay for it."

Mr. Haines almost smiled. That a on of Jim Black should be offering his name as security was amusing. 'I'm afraid I can't oblige you, my

ov. my terms are cash."

Dan put his battered hat on his head and walked out with a reddened face. He knew there was credit in that store for those who had money which to buy.

That evening, when Dan had de-livered his last basket of clothes at the Haines residence, Margaret was

waiting for him at the feet of the avenue, under the chestnut-oak. Her face was flushed and her breath short from the excitement of deception. She held a dollar and fifty cents in

her hand.

"Here, Dan, take it, please! It's my own, and I can do what I please with it. Papa wasn't fair with you —I was behind the screen, Dan, and couldn't help hearing."

Dan jerked off his crumbly hat and turned varying shades of red and white.

white.
"No, Margaret, I couldn't take
your money. No!" as she pressed it
on him, "never!"

Then, calling back over his shoul-der as he started on the dusty road: 'But I'll never forget your offerin' it to me. Margaret stood under the chestnut-

oak and watched him out of sight.
Once, on the brow of the hill, he had turned back and waved his hat Margaret's sensitive face be-remulous; her brown eyes at her. Margaret's came tremulous; her brown eyes brimmed and she spoke to herself: 'Dan's the nicest boy I ever knew. He's a whole lot better boy than Al-

bert, if Albert is my own brother Why can't papa see it?"

When Dan arrived in Wortsboro ten miles from home, he was dusty and warm, and Tim was in his arms Jack was trotting at his heels, but Tim was growing old and must be saved

Finding the nearest pump, he gave his dogs water; then, strolling on till he came to a corner where there was a group of boys, he began quietly

ractising Tim.
Soon there was a crowd about him. Then the performance closed and Dan leaned carelessly against a building.

A brown-legged boy of the one

A brown-legged boy of the on suspender variety edged up to him "Say, them dogs is great—where'd ye come from?"

"Up country a piece." "Where ye goin?"
"Travelin' with my dogs."
"Gosh! a show?"
"Yep."

"How much to git in?"
"Ten cents."
"Wisht I had the ten. D'they

know any more tricks?"
"Lots of 'em. Look here, if you'll

run about a bit and tell people about them, I'll let you in free—and you might tell me where to find a hall." Betcher life-up yender's the hall, that brick buildin'

The brown-legged boy sped disseminating news as he ran. Shows were not frequent in Wortsboro, and the young people of the town were soon in a state of interest. Some old ones, too, who liked a stir in the routine of things.

The boy was not particular as to details. He burst into a store with the announcement:

"Say, there's a feller goin' to be at the Town Hall to-night with some performin' dawgs! Ye jest orter see performin' dawgs! Ye jest ofter see 'em! They're crackerjacks—the kind what sneezes when ye tell 'em to, 'n' walks on their hind legs 'n' sez their prayers 'n' lots o' things!"

With that, he was off again, dis-tributing like information among a group on the hotel piazza. An old An old

man looked askance at him.
"Here, you boy, where'd that feller
come from?"

"'Cross the ocean somewhere; I furgittin' the place!" And he was off again for other parts.

That night Dan found himself put to the double role of cash-receiver and stage-manager.

The brown-legged boy had led the procession. The young people had come in genuine interest. Some old ones had strolled toward the hall in curiosity and, seeing the others en-ter, had followed suit.

(Continued next week)

short ts in

The Upward Look do not remember the words, but the rights of we thought was: The first time we lose said he, "en ext time we tell a falsehood go and remember the truth; so whatever the wrong we have done, right it as the wives an extensive the wrong we have done, right it as the sense of the wrong we have done or twice we will thoughtfully, thoughtfully, earnestly, not let similar wrong-doine occur very

The Upward Look

Thy Kingdom Come

I wonder how many times in our lives we have repeated these words thought fusly, thought lessly, earnestly, carelessly. They have been so familiar to us, from our earliest childhood, when we learned to repeat them at the beloved mother's kince, that the beloved mother's kince, that the bloved mother's kince, that the same of the blow should be already to the same that the same of the blow should be shielded from drunken should be more like Him in our every-day life we cannot, then how can be pray "Thy kingdom come." if we do not strive with all our energy and power to be more like Him in our every-day life we cannot, then how can be pray "Thy kingdom come." if we cannot, then how can be pray in the look of the loo

birth rate. "May no other of the rights of women of which we hear." said he. "encroach upon their fight to be wives and mothers." The second right is to be well born. "I do not mean," said Dr. Cody, "in the sense of being born of high line-age, but the right to be born sound physically, mentally and morally."

Then comes the right to live. "One of the greatest disgraces to our of the greatest disgraces to our

. . . Cheer Up

There is a certain big bird whose well-known whistle repeats: "Boys! Boys! Cheer up! Cheer up!" I have sat at tables where the fault-finding and angry quarreling during the meal took away all appetite and caused eating to be merely a mechanical act, ing to be merely a mechanical act, the same of the where is observed to the same of the same again I have eaten at farmers' tables where jokes, anecdotes and plans for the future kept everyone laughing and in a merry humor. Each one rose from the table in a peaceful, rested frame of mind. Here is what one wo-

frame of mind. Here is what one woman does, says an exchange;
"A woman in Harlem has hit upon
an idea for keeping her family happy
during the evening meal. She makes
each of the several members of the
family tell of some funny incident
which has come to their notice during the day, and so creates plenty of
laughter, as well as training the childron's powers of observation." But there is never a joke or a story at the expense of another. Try it at your own table if conversation lags.—Ex.



Why don't some flours behave? Why don't they keep good?

Because they contain too much of the branny particles, too much of the inferior portions of the wheat - may be little pieces of the oily germ.

Which act on one another-that's why some flours "work" in the sack.

FIVE ROSES is the purest extract of

Manitoba spring wheat berries. Free from branny particles and such like.

Twill keep sound, and sweet longer than necessary.

Keep it in a dry place, and when needed you find it even healthler, sounder, fresher, drier than the day you bought it. Buy lots of FIVE ROSES. It keeps.

Not Bleached



Not Blended

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at feller here; 1 he was

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led the ople had Some old hall in thers en-

Mental Training before School that way, but they are not supposed to be considered here. Definitely Age

Mrs. Ivan V. Folliott, York Co., Ont. Mrs. Ivan V. Folliott, York Co., Ont. In my article that appeared in Farm and Dairy a few weeks ago I dealt with what a child should be taught of its physical welfare before going to school. In this article I will deal with the mental side of the ques-

Under the head of mental I have Under the head of mental I have placed merely that which relates to the child's studies. Some teachers prefer the child to come to them without any idea of real school work. Some parents prefer to send them

speaking. under the mental I have speaking, under the mental I have put number work, color, nature study, oral composition and in con-junction with all these, the training of the memory and the senses.

This can be easily done by the mother while she is at her every-day work. "How many eggs did daddy bring in to-day?" "Bring me up five or six apples for a pie, please." "There are too many potatoes here. Please take out a half dozen and bring in a dozen carrots with you." Thus the child is learning helpfulness and number work at the same time.

your tan stockings for me to darn! birds, flowers can all brought into use in teaching color if we can't afford to have the colored balls, prisms, etc., used in the kin-

When the child brings you in When the child brings you in a bouquet, start your nature study go-ing. True, it may be composed of weeds, but who needs to know weeds more than the country child? The little birds' nest found on the ground is an object of interest to them, and you can make it of educational value as well by having them note how and

Color is just as easy. "What color of what it is made. The crow, the are those curtains, Mary?" "Bring cricket, the corn and the pine all of what it is made. The crow, the cricket, the corn and the pine all lend their aid, for the simple things learned of everyday objects now will help to increase the child's powers of observation later on

Our little ones are playing a game that you might call for want of a better name—"What is it made of?" They go the whole list of known things almost from baby's high chair up to "old Bob."
Their questions rather startle one sometimes, but as yet they are rather easily put off if a very satisfactory answer can't be given. Such a name we have found gives a chance to get satisfactory in a host of simple facts concerning wood, minerals, clothing, etc., and tends to make them think.

ACABABABABABABABABABABA

VERY man has two educations that which is given to him, and the other, that which he gives to himself. Of the two kinds, the latter is by far the most valuable. Indeed, all that is most worthy in a man, he all that is most worthy in a man, he must work out and conquer for himself. It is that, that constitutes our real and best nourishment. What we are merely taught, seldom nourishes the mind like that which we teach ourselves .- Richter. 8

Samonomono

Nature study, memory work oral composition can be combined to good advantage. Take one of the common grains or seeds and have them tell you what happens to it from the time it enters the ground till it comes to he table. You will have to tell them first and they may frequent-You will have to ly get the cart before the horse in their re-telling, but it will serve a four-fold purpose; teach them of nature, train their memory; help them in their language lessons and impress upon their young minds the thought how dependent we are upon God and one another.

and one another.
Writing can scarcely be left off the list since Montessore in her system places it in the foremost ranks. By that system little Italian children of four learn to write all the letters in six weeks, and children of five in four weeks and write them well too. One weeks and write them well the strange point in this Italian method is that writing precedes reading. The children at first read what they is that writing precedes reading. The children at first read what they themselves have written. Froebed, as far back as 1826, advocated this method also. Give a child a pencil, paper and a copy and even if he does seem to make very poor headway, he seem to make very poor headway, he will at least learn something of holding a pencil, etc. Watch a young child trying to write for the first time and the importance of such practice will be easily recognized.

TRACHING TO LISTEN

In all this the sensory nerves are being trained, but as a special ear training have them try to distinguish voices, footballs, bells, etc. Drop nuts, beans, marbles, or pebbles on the floor or on glass and have them note difference in sounds. Stop him in his play and ask him to tell you the different sounds he hears. Practice will make him surprisingly proficient in this. Those who have studied the subject say that lack of proper ear training is frequently the cause of the heedlessness, inattentivecause of the heedlessness, inattentive-ness and apparent disobedience of children. They hear, but not with intelligence; as we often say it goes in one ear and out the other. Teach the child to listen intelligently and who knows but what we will have helped solve the produm of discipline!

Teach feeling by having the child with closed eyes tell which of several pieces of cloth is cotton, which wool len. which velvet, etc. The busy mother can think out games best suited to her own babies and circum-stances. Such games make admirable ones for the "ahut in" child.



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WHAT EDUCATION SHOULD FARMERS' DAUGHTERS: RECEIVE?

Alice A. Ferguson, York Co., Ont.

THE pursuit of knowledge is ele-housekeeper, and found time to paint vating and refining. The ear-some very creditable pictures, which nest student soon forms ideals afterwards afterwards atterwards that lifts her life above the common-place, and yet with all this, the sear-riage. She became a superfix at at able girl comes back from college to needlework, as well as the farm to be a better help on the good musical education. She was in every way suitable for the wife of an every way suitable for the wife of an every way suitable for the wife of an

slace, we shall be a better nonthe farm to be a better nonfarm than before, because more intelligent.

Education does not unfit a girl for
her duties at home. If it does, the
In another farm househon.
In another farm hou

The new Dress A. C. HELD and the Old Yer been tu town, hev ye, Mandy, en

ing, tests foods differently prepared, and comes home with fresh ideas for more variety in the daily menu, or for home furnishings.

Farmers' daughters should not be slaves, but free Education should earlier year, immers' daughters are develop desires for reading and for immiliarity. The should provide the students than to town girls. In their develop desires for reading and for immiliarity is more develop desires for reading and for immiliarity is more develop desires for reading and for immiliarity to give it up on account to the team girl.

The mers' daughters should receive and and onesible make much better students than to town girls. In their should of the best education possible and expable as other students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better students than to town girls. In their should receive make much better should receive make much better students than the students that the students that

to the town girl.

The farm is a university where
nearly every known subject may be
nearly every known subject may be
studied, and naturally at least a
smattering of knowledge of different

kinds is obtained.

A COURSE AT HIGH SCHOOL.

The farmer's daughters should be given at least a short term at High School, longer if it can be given. Life on the farm is free, untrammeled, on the farm is free, untrammeled, and unconventional. When the counant unconventional. and unconventional. When the country girl mingles first with other so-ciety, she may feel awkward or ill at ease. Mingling with other kindred spirits at High School or college rubs off the sharp corners, smooths the rough lines, and soon the peg fits com-

fortably in the hole.

Farmers' daughters should be wor-Farmers daugnters should be wor-thy to be the wives of good, intelli-gent men, whether farmers, business men, or professional men. Men want men, or professional men. Men want in a wife not only a home maker, but a companion, a bone maker, but a companion and the control of the con

Yer been tu town, hev ye, Mandy, en ye bought a bram-new dress, An' yer gloin' tu hev it made up right Made with gloin' lite the resiming the dresses have this spring. An' I s'pose ye'll feel on Sunday yer and the dresses have this spring. We will be seen to sunday yer with the dresses have this spring. An' I s'pose ye'll feel on Sunday yer at the dresses have this pring. We will style an' le's' the thing. We have the dresses have the spring and the dresses have the style a fert will be seen to be seen a fert up the seen to be seen a fert will be seen a fert w ability to assist gracefully when called upon to perform some public duty.

The property of th is often too good for most men. ...

More Moisture for Living Rooms

way, jes' as ye be.
Yes, jes' as ye stam' there, Mundy, with yer singham dress o' btue.
An' the tear there on the shoulder an' the tear there on the shoulder an' An' the faded of unbounct that your Mother unster war.
An' the substitute that your mother that your mother than the substitute of the sub "Too often we do not supply our

Th country homes where neither hot water nor steam heat is used, the housewife may have the air sufficiently moist by keeping a small basin of water on the back of the stove.



"HIRED HAND" that is de-A "HIRED HAND that is an pendable, willing and always on the job.

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all day, rubbing and scrubbing in a hot, steamy wash-house. Think of the drudgery-the backache-the serious illnesses too often caused by chills. Avoid this! Get her a





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Go with the wife to the nearest Maxwell dealer and see the Maxwell "Excel-All" Washer. Notice how easily it works—almost runs by itself. See the improved swinging adjustable wringer board. Ruus on ball bearings with assisting spiral springs. It means lighter work and better health. Also enquire about our Washers for Water, E'ectric or Gas Engine Downer.

DAVID MAXWELL & SONS, ST. MARY'S, ONT.

Too otten we do not supply our living rooms with a sufficient amount of moisture to safeguard our health properly," says Laura M. Stewart, instructor in home economics in the University of Wisconsin. An' ye ask me, do ye, Mandy, why I like thet of' worn dress. I smile ex I teil the reason, fer it's I smile ex I teil the reason, fer it's When I snet yer mother. Mandy, fer the first time, du ye see, "She'd a dress on bout like your's is She'd a dress on bout like your's is Olding tu one string, An' a faded of' sunbound. An' a faded of' sunbound. An' a faded of' sunbounds. An' I thought o' all fod's treasures An' I thought o' all fod's treasures. So ye see it's ol' Dad's weakness to cling to this memory. An' that, sny girl, is the reason I like ye as ye be.

University of Wisconsin.

"One reason for so much throat
and nose trouble during the winter
months is that the nuccous lining is
deprived of its necessary moisture,
"making it less resistant to germs.
This lack of moisture also causes the
furniture to erack and spread at the
lights."

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ANNUAL MEETING Union Bank of Canada

Held at Winnipeg, December 17th, 1913

The Forty-ninth Annual General Meeting of the Shareholders was held at the Banking House in Winnipeg, on Wednesday, December 17th, 1913

The Annual General Meeting for the election of directors and other general business, was held at the banking house, in the City of Winnipeg, on Wednesday, the 17th of December, 1913. The meeting was largely attended. The Chairman read the Annual Report of the directors, as follows:

FORTY-NINTH ANNUAL STATEMENT

29th November, 1913 PROFIT AND LOSS ACCOUNT

Balance at credit of account, 30th November, 1912	\$ 75,483.76
Net profits for the year, after deducting expenses of management, in- terest, due depositors, reserving for interest and exchange, and	
making provision for bad and doubtful debts, and for rebate on bills under discount, have amounted to	750,095.27
being slightly over 15 per cent on the paid-up capital, during	

many to the control of the following	\$825,579.03
Which has been applied as follows:— Dividend No 10, 2 per cent paid March Let 1913 No. 106, 2 per cent paid March Let 1913 No. 106, 2 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Bonta of 1 per cent paid September 1st, 1913 Control of 1 per cent paid September 1st, 1913 Control of 1 per cent paid September 1st, 1913 Control of 1 per cent paid September 1st, 1913 Control of 1 per cent paid September 1st, 1913 Control of 1 per cent paid March 1st, 1	
Baiance of Profits carried forward	90,579.03
	\$825,579.03

GENERAL STATEMENT LIABILITIES

Notes of the Bank in circulation \$ Deposits not bearing interest \$19.036,076.18 Deposits bearing interest \$45,587.212.91	6,287,179.00
Deposits Conting and Continue a	64.595,288.19
Balances due to other Banks in Canada	42,361.74
Balances duries Countries Countries Bills payable under Letters of Credit	412,539.92 150,866.00 634,390.57
Total Linbilities to the public	72,122,625.42 5,000,000.00 3,400,000.00 100,000.00

Daptial paid up Rest Account Dividend No. 107 Bouns payable lat March, 1914 to Shareholders of record as on Febru- lay 14th, 1949. The Company of the Company of the Company of the Company Office of Profit and Loss Account carried forward	3,400,000.0 100,000.0 50,000.0 3,328.0
A SE DATE	8 80,766,532.4

Gold and Silver Coin	754,501.00	
Notes of other Banks Cheques on other Banks Ralunces due by other Banks in Canada		7,266,831.37 887,356.00 3,631,082.06 170,389.07
Balances due by Banks and Banking Correspondents elsewhere in Canada		617,031.08
Dominion and Provincial Government Securities not exceeding ket value		570,707.50
Canadian Municipal Securities, and British, Foreign and Coloni lie Securities, other than Canadian		440,461.42
Railway and other Bonds. Debentures and Stocks not en		2,212,271.16
Call and Short (not exceeding 30 days) Loans in Canada on Debentures and Stocks		3,250,894.32
Oall and Short (not exceeding 30 days) Loans elsewhere the Canada	ian in	8,608,756.16
Other Current Loans and Discounts in Canada (less rebate of in Other Current Loans and Discounts elsewhere than in Canada	nterest)	27,656,780.14 46,798,969.15
rebate of interest)		1,640,472.84

Other Current Loans and Discounts elsewhere than in Canada (less rebate of interest)	1,64
Liabilities of customers under Letters of Credit, as per contra	634
Real Estate other than Bank Premises	150
Mortgages on Real Estate sold by the Bank Overdue Debts, estimated loss provided for	16
Bank Pramises	2,03
Deposit with the Minister of Finance for the purposes of the Oir	
culation Fund Deposit in the Central Gold Reserves	1,30
Other Assets not included in the foregoing	1,00

JOHN 8 80,766,532.48

G. H. BALFOUR.

JOHN GAT.

The General Manager
The Department of presenting the Report showing the result of the Bank's business for the year ended 20th November, 1913.

The New Bank Ast, as revised, went into force on July 1st. You will notice several changes in the form of our statement. Under Sec. 56 of the new Act, you amount of their resourceration.

A new set of By-iaws will be submitted to you for approval and adoption if the form December to January in order that the Auditors may have sufficient time in which to complete their work.

Toru Directors wish to place on record their approval of the excellent time in which to complete their work.

advice, helpful guidance and valuative work by the to record the death of the England. The the deepst regret the Directors have to record the death of the Hunts of President, the Honorable John Sharples. Mr. Sharples was for many years a Director, and for five years the bonored and esteemed President of this lank. Its present standing is largely due to his great interest in its welfare and sound Price of Guebec, was elected Honorary President, and Mr. Geo. H. Thomson has succeeded him as Vice-President.

The vacancy on the Board has been filled by the election of Mr. B. B. Cronyn. Persistent of the W. B. Brook Company, Limited, a gentleman of long business of the Company will be of great advantage to the Bank.

During the past year thirty-one Branches and Agencies of the Bank have been copied in the several Povinces as follows: Ontario 4, quebe 6, Alberta 2, British Three Branches in Outario which were not giving satisfactory results have been closed.

THE CONTROL OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE WARD OF T

The President, Mr. John Galt moved that the report be adopted and printed for distribution among the Shareholders and addressed the Meeting as follows:-

The President's Address

The President's Address

In moving the adoption of the Directors Report. I have an opportunity of placing before our chief the present of the present place of the present feeling of the adopt which has caused financiers to carry tabled the loaning power of all the Banks and has checked the encouragement tabled the loaning power of all the Banks and has checked the encouragement of new business, but we have been carried to see the present feeling the present place of the place of the present place of the present place of the present place of the present place of the place of the

is advisable and that strictest economy in both public and private affairs is monossary.

The property of the present public and private affairs is given by the demand for building after must continue in a country where the population is steadily increasing, and holders of such property should not be apprehensive of this class of investment. That the inability of speculators to turn over their property has had so interest the property of the class of investment. That the inability of speculators to turn over their property has had so interest the property of the prope **CROP OF 1913**

The statistics which are at our command will be furnished by the Superintendents in their reports on the several Provinces. I may say, speaking generally, that the crup rounts have been satisfactory. In the three great based args, but the crup rounts in the several provinces args, but the average quality has never been equalied, and the cost of harveing has been unumanly low oring to the magnificent weather we have envesting has been unumanly low oring to the magnificent weather we have envising the several provinces are superintendent of the several provinces and the cost of harveing has been unumanly low oring to the magnificent weather we have envised to the several provinces and the several provinces are the several provinces. The several provinces has indeed been kind to us, and that, too, at a time when we needed it most. The railways have done spindid work in handing the crop, and we have had few complaints of shortest great with the several provinces are the content of the several provinces and the need of interior storage for our grain will be urgent for some time to come.

MIXID FARMING

There is a marked increase in the number of live stock. Farmers are be coming more fully alive to the advantages they derive from this source and are realing that their borrowing credit is greatly enhanced with their Bankers if they can show a good proportion of cattle in their assets, and banks should look with favor on loans for the purchase and handling of live stock.

Trade conditions in British Columbia have not been as bright during the year as we could wish. Conditions in the lumber trade have been unsatisfactory, a great many men out of employment belief for months have three trades as a second of the conditions as the based for months have three trades as great many men out of employment belief to the conditions as great many men out of employment. The fishing industry has had a good year, and she recent revision of the United States tariff, by which fish now enter that country free, will be of a first trade of the production having taken place over the proceeding year.

The mining industry has yielded astisfactory returns, a very large increase in the production having taken place over the proceeding year.

Of trans District alone being in the neighborhood of \$1,40,000.

Railroad expansion has been active and about 2,500 miles was under construction during the year.

All the production of the proceeding years are the proceeding years and this together with the closing down of lumber camps and completion of railroad work, will add to the number of unemployed during the comings winder.

Large harbor improvements have been undertaken at Victoria which have improvements and the process of the

PROVINCE OF ONTARIO

Crops have been of a good average and we have again to report a prosper-PROVINCE OF QUEBEC

Along both shores of the St. Lawregoe and in the Eastern Townships, conditions were favorable, and abundant crops were harvested in good order.
The lumber trade has experienced a good year, and the removal of the United States duty on lumber should estimate trade. MARITIME PROVINCES

Weather conditions have been satisfactory with the result that all crops have been above the average. The fishing industry has also experienced another profitable year. GENERAL

Gend Roads—The question of good roads is of paramount importance, and there yet remains a great deal to be done. We are giad to be able to report that the Legislatures of the various Provinces are giving their attention to this important question.

19 40,000 people have entered Ganada during the year ending September. 1913. The immigration authorities report favorably on the class of these new settlers, and estimate them to be several to the class of these new settlers, and estimate them to be several to the class of these new settlers, and estimate them to be several to the class of these new settlers, and estimate them to be several to consider that it is the duty of the Bank to exercise caution and to discourage any attempts to under take large commitments whilst conditions in Surge are readuring themselves after the roads delirphy. ANGING OF MUNICIPALTIPS

FINANCING OF MUNICIPALITIES

From our point of view it is very desirable that the Provincial Governments should take action in regard to monies required for municipal expenditure. A commission should pass on all issues after expert examination of proposed expenditures. If these issues carried the guarantee of the Province, and were sold under its anspices they would have a greatly enhanced value, and the saving to the community would be very large, both in a series and in the supervision of expenditure series by the Government. Under the

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Cronyn ong busi-of Mr present system the initial financing falls upon the Banks because they have to await the sale of debentures, the disposition of which, in turn, often depends in financial operations, and who make their ways had little or no experience are tied manner. In this way cometimes for inst happhanard instead of a are tied manner. The way cometimes for instances of the community which should be employed in the general financial operations of the The proposed legislation by the Proximon of the community. ave beer British ts have

community.

The proposed legislation by the Province of Saskatchewan along these lines is in my judgment, likely to prove of benefit.

NEW UNITED STATES TARIFF

NEW UNITED STATES TARIFF
The recent reduction in the United States tariff should result in obtaining a larger market for our products.

In conclusion, let grantly that he figures which have been laid before you must be particularly grantly that he figures which have been laid before you must be particularly grantly that he figures will be some extent, the general development of Canada. With your help we shad, not some extent, the general development of the best of the progress, and to build up a great Rank, which will be in touch with the needs of the country, and a credit to the whole Dominion.

General Manager's Address

General Manager's Address

General Manager's Address

The General Manager Mr. G. H. Balfour, addressed the meeting as follows:
Gentlemen.—Owner, Mr. G. H. Balfour, addressed the meeting as follows:
Gentlemen.—Owner, Mr. G. H. Balfour, addressed the meeting which have
gentlemen.—Owner, Mr. G. H. Balfour, addressed the meeting which have
contained throughout the whole were understant to the contained the contained the contained the contained throughout the whole whole were described to the contained the

Shest; these were necessary to comply with the provisions under the revised Baak AD Eposits have increased by \$8.862.000, which, considering finneds; conditions, to be provided by \$8.862.000, which considering finneds; conditions, to be provided by \$8.762.000, or \$4.975, per cent to Habilities to the public, are also \$8.860.000, or \$4.975, per cent to Habilities to the public, are also \$8.860.000, or \$4.975, per cent to Habilities to the public, are also \$8.870.000, or \$4.975, per cent to Habilities and \$8.870.000, or \$8.870.000, or \$8.975, per cent to Habilities and \$8.975,

189,969 Loans and Discounts outside of Canada total \$1,640,472, as against \$779,000 last

Loans and Discounts outside of Canada total \$1,660,872, as against \$77,500 meb.

Loans and Discounts outside of Canada total \$1,600,872, as against \$77,500 meb.

Real Estate and other Bank Premises has been reduced by \$150,090. Property and buildings sequired for the use of the Bank are now at once charged.

Mortisges on Real Estate sold by the Bank are larger by \$47,000 than a green of the Bank are larger by \$47,000 than a green of \$45,000.

In agricultural distributes above an increase of \$45,000. The premises are all the sequence of \$45,000. The sequence of \$45,000 than a green of \$45,000 than a

PROGRESS OF THE BANK

During the year three Branches were closed in Ontario.

The fotal number of Branches were closed in Ontario.

The fotal number of Branches and Agencies is now M. as follows: Alberta, 40. Betties, 20. Maritions, 30. Sankatchewan, 90. Ontario, 30. Quebec, 13. Maritime Provinces, 20. Maritime Provinces the Since Cooking of the Great Lakes, 10. Maritime Provinces, 20. Maritime, 20. Maritime, 20. Maritime, 20. Maritime, 20. Maritime, 20. Mar

AUDITORS

Mewrs. T. Harry Webb, C.A. E. S. Read, C.A., and C. R. Hegan, C.A., were elected se Auditors of the Bank.

The ballot was unanimous and these renlemen were deslared elected.

The state of the second of the second

Facts of Tuberculosis The tuberculin test will detect over

98 per cent of cases. A cow may be in the best of flesh, and yet be badly affected by tuber-

culosis.

The tuberculin test, when properly applied, has little or no effect on milk production.

During 1912 the Minnesota Government inspectors condemned 8.649 carcasees and parts of carcasees for the culture of the condemned 1.64 carcasees.

About 15 per cent of tuberculosis in children has been found to be of bovine origin, probably through milk from infected cows.

Do not introduce a cow into your herd unless you know that she has been tested by a competent veterina-rian and found free from tubercul-

When tubercle bacilli are found in a cow's milk, it does not always mean that the cow's udder is affected by

Ward, Dairy Instructor, Peterboro Co., Ont.

Peterboro Co., Ont.
The quality of milk delivered and quality of cheese made in my syndicate in the past season on the whole has been good, fully equal, if not bet, than former seasons. The quantity has been short. A Montreal report gives it at 200.000 boxes for all of Eastern Ontario, exactly what I heard Mr. Publow predict over three months ago. three months ago.

This shortage has been brought about by a number of causes. We have had a very dry season. More about by a number or causes. We have had a very dry season. More have had a very dry season. More have had a very dry season. When we have had a very dry season while an increase in butter making and the raising of stock. This country is rapidly undergoing changes, and the decline in cheese output is only one decline in cheese output is only one underlying successful agriculture is the maintaining of soil fertility at the maintaining of soil fertility at the maintaining of soil fertility at the highest point possible, and to my there has never been a time when there has never been a time when the cheese factories, cheese makers and producers of milk to cause the situation of the cheese instand together and work together to save the situation of the cheese in-dustry that has been such a boon to agriculture in this country for the last 40 years.

Let me say to the owners and makers to be sure and have everymakers to be sure and have every-thing in perfect sanitary condition, both inside and out, with a pure water supply and mouth of wells properly protected, before the first pound of milk is delivered at the fac-tories next season. To the produc-ers, be prepared to give a clean, cool milk supply, which will enhance the quantity and quality of the cheese made and make the season's opera-tions more profitable to everyone con-cerned.

Why Different Fat Prices?

In looking over annual reports we hardly ever see two creameries that pay the same price for butter-fat. There are a great many reasons for this. In making comparisons between creameries there is a great deal to take into consideration. tween creameries there is a great deal to take inconsideration. The locality where the amount of business and the content of t changed.

The creamery having a large retail trade, where they sell the butter at market quotations, saving markee quotations, saving the freight, commission and cartage, has freight commission and cartage, has that ships everything, paying drayage, freight, commission, and in many cases a heavy shrinkage. The creamery that is well managed by an up-to-date manager, who will draw a sight draft on the commission house for nearly what the butter is worth, thus protecting the patrons from a heavy loss in case of failure of a commission firm, has a great advantage over the easy going, slack manager, who does not do this.

I wish to say there are a whole I wish to say there are a whole lot of people who read this article lot of people who read this article freight, commission and cartage, has

The Makers' Corner Butter and Cheese Makers are inused to send contributions to this matters relating all questions on matters relating all questions on and to suggest subjects for discuss of the Corner was an and to suggest subjects for discussions on the Saason's Work Notes on the Saaso naking about 90 tubs a week, and he began to get anxious about the segan to get anxious about the saffair, and told the buttermaker about it. A telegram was sent at ones. There were 270 tubs of butter as \$17 a tub in the commission firm's hands, some \$4.500, and no security and it. The returns were sent with an it. The returns were sent with an it. A security of the security of t

business to receive shipments from any creamery.

The creamery with a big run has a The creamery wideded advantage over the creamery deeded advantage over the creamery that has a small run of milk or cream, that has a small run of milk or ream, that has a small run of milk or reamer and the patrons more under the making amount or run of 20 per cent or making and or run of 20 per cent or the creamer of the creamer of the creamer of the operator of the creamer).

A CHECKING SYSTEM

Keeping a checking system is very helpful in getting results. Where haulers are employed there should be a checking system used. The cream should be weighed when received from the haulers and also samples taken at

a checking system used. The cream should be weighed when received from the haulers and also samples taken at the creamery and test made so as to determine the pounds of unter-fat received. This should be checked with the regular test taken by the haulers so as to see how hings are done on the routes.

Where it is possible in this hot weather, the haulers should weigh a piece of ice, and put in cans when gathering cream. This will help to cool the cream, and help the quality. Also have a cover on the wagon, or cover over the cans to keep the sun and dust off. In one creamery I worked I had the haulers pit in 26 lbs. of ice in the jacketed cans in the morning, and when we create in the morning, and when we cans in the morning, and when we are terrived the cans, the cream was at a temperature cans, the cream was at a temperature of 52 to 54. I do not believe in put-ting ice in cream where it can be prevented, but in this particular case it worked all right.

it worked all right.

The butter and creamery board who are always telling their patrons that the other neighboring creamer that the other neighboring creamer that the patrons that the patron that the patro res who are nighting to get each other's patrons, and are trying to bait the one on the outskirts of the territory at the expense of the ones close to the creamery.—Mrs. A. B. McLaughlin, in Butter, Cheese and Egg Juurnal.

Cheese makers should realize the responsible positions which they hold. The reputation of our Canahold. The reputation of our Canadian cheese depends upon them. No cheese maker should allow a patron to send in poor milk. A few poor patrons can spoil the reputation of the cheese of the whole district.—G. G. Publow, Chief Dairy Inst., Eastern Ontario.

FOR SALE—Cheese Factory in one of the best sections of Western Ontario. Make 1912 was 103 tons. 1913 will exceed 110 tons. Apply to Clarence J. Donelly, Scottsville, Ont.



Give me a chance to PROVE my flour

I WANT folks to know what a splendid flour Cream of the West is. I want you to buy a bag at your grocery store. Use it for a couple of bakings and see the result.

Cream : West Flour is guaranteed for bread

With Cream of the West you will have success or your money back. Your bread will do you credit or you don't pay one cent for the flour. Bring back what you have left in the bag and your grocer will refund your money in full.

It's an absolutely straight guarantee, madam, and all the best dealers co-operate. A strong, nutritious, light-rising flour, unbeatable for bread. That's Cream of the West. Try it.

Prices Direct to the Public

In order to introduce Campbell's Flours and other products, and to oblige a great many country customers who write direct to our mills because they live in sections where they cannot have Campbell's Flours, etc., at local stores, we have decided to more and following special prices to farmers in dunation on flours and feeds: FLOURS

LLOURS	Let so to nig.
Cream of the West Flour (for bre Queen City Flour (Blended for al Monarch Flour (makes delicious I	
FEEDS	Per 100-lb. Bag
"indiresh" Bran "bullresh" Middlings Extra White Middlings Tower Feed Floor "Bullrush" Crushed Oata "Genera" Coarse Feed Oatmaline Inclusees, oate and corr Corn Men Oil Cake Men) Priess on whole oats, whole oorn at	1 40 1 69 1 75 1 75 1 66 1 1 80 1 80 1 175

request.

The property of the THE SALES MANAGER

The Campbell Flour Mills Co., Limited TORONTO

Mention this paper

(Continued from page 5)

selection is done by only a few men, there is likely to be much more uniformity.

In the Rainy River district, In the Kainy River district, for example, where a seed centre has been organized for the purpose of raising good seed potatores, a few of the members only will conduct the selection plots. In the case of the River Front Corn Club. of Amherstburg, a recently organized club of seven members, the selection will be done by one man who is an eminent authority ne man who is an eminent authority on corn. While this club is small, it is quite large enough for a hegin-ning. These men have pledged themselves to produce and sell no-thing but the hest.

removed from selected stock.

BETTER RAILWAY RATES

Another advantage that the formation of record centres offers is in the matter of railway rates. In this re-spect there should be a possibility of obtaining lower through rates. A much larger trade could then be built up between western and eastern

Complaints have been heard of the quality of seed obtained from seeds-men. In some cases seed turned out to be of an entirely different variety to be of an entirely different values, than it was stated to be. Probably the seedsmen are doing their best, but there is no doubt that the C.S. G. A. should control the seed trade. The quality of seed could then be kept up to a standard. This is an t up to a standard. This to which we must all work

There are golden opportunities in the production of high-class seed if we will but grasp them.

Leasing Farm on Shares

Leasing Farm on Shares

I can you give me a practical plan of
leasing a dairy farm on shares? I have
the process of the proces

In my opinion the only really satis-In my opinion the only really satisfactory way to handle a farm under such conditions as described above is for the owner to handle it himself. The next best plan would be to hire a man and give him, in addition to a small fixed salary, a certain percentage on sales of certain kinds, say, with cream etc. and a small premilk, cream, etc., and a small pre-mium on young stock brought to one mium on voung stock brought to one year old in good shape on the farm or sold off, as in the case of bulls or odd heifer calves. A man capable of managing such a farm should be earning, in addition to house rent, fuel, milk and vegetables, at least \$65 or \$70 a month. This might be taken as a basis in fixing the pertaken as a basis in fixing the pertaken as a basis in fixing the pertaken as a consistency of his water of his water.

centage part of his wages.

If, however, it were preferred that the man should depend upon the rebelieve it is wise to have the neiters turns entirely for his remuneration, that is, should pay a fixed rental and have all income for himself, then I would advise that only a most highly recommended man be taken as a tenant. Where machinery and live stock belong to the proprietor, the possibilities of trouble and loss to the proprietor are innumerable.

I would suggest the valuing of the farm at its true agricultural value, having in view its convenience to market, its buildings and its soil; but, of course, ignoring any "real estate" age. All branches of agriculture will value it might have. The live stock

The Formation of Seed Centres and implements should then be inventoried and the rent be fixed at say five per cent, of this valuation. Sales from live stock should be made only after consultation between owner and after consultation between owner and tenant, and the price should be either reinvested in productive stock or divi-ded in some fixed proportion. The necessary service bulls should be ged in some used proportion. The necessary service bulls should be purchased by the proprietor. Raising stock to a given age, whether pure bred bred or grade, should be worth certain fixed sums to the tenant. Risks would have to be borne by both secretain proportions of productions. in certain proportions of predetermined valuations. In fact, such a variety of contingencies is likely to arise that probably the only satisfactory solution of the problem would be to avoid it.

themselves to produce and sell no-thing but the best.

The seed grown by any record ant at an acceptable valuation. Take centre must trace to elite seed and his note for the amount, renewable not be more than three generations annually, on the new valuation show-removed from selected store.



Novel Tree Protection

If the gate swings back against the tree, constant contact is apt to wear off the bark, making the tree uneightly. An ordinary bed spring, or a cast off spring from some of the farm cast off spring the spring of the farm of the farm cast of the spring the spring of the spring the sprin

ing things to be in good shape, the tenant to be allowed fixed prices for increases in live stock and to suffer fixed amounts for losses in live stock

I may say in conclusion, however, that the more I consider the matter, the less does such a scheme as the letting of a farm, together with the necessary implements and live stock (especially where the cattle include a number of pure breds) for a fixed rental, seem to me practicable.—

Developing the Young Stock

(Continued from page 5) Next to an abundance of good feed Next to an anundance of sunshine and fresh air. This is something that they should have at all times and under all circumstances. With double der all circumstances. With double glazed sash and the King system of ventilation properly installed an abunventilation property installed an abundance of sunshine and fresh air may be had without making the building too cold. Damp and filthy stables should not be tolerated. We do not believe it is wise to have the heifers freshen at a very voung and but we freshen at a very young age, but pre-fer to give them a reasonable chance for development before they are call-

*********************************** MARKET REVIEW AND FORECAST

Toronto, Monday, ...n. 5.—What has been the trend of markets for farm produce during the desired from the years and pairs. Marketman believes the farm and profitableness increasing importance and profitableness increasing importance and profitableness. Marketman believes the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated by the farm and the farm are not appropriated and appropriated

herone me is working in the wrong direction has farm, is working in the wrong direction. Taking the year as a whole, other introduction of Canada show a satisfactory balance. The year has been particularly prosperous for the building trade. The prosperous for the building trade. The short of the prosperous for the building trade that have been considered by the prosperous for the building trade of the prosperous description of the prosperous the prosperous properties of the prosperous properties of the prosperous properties of the prosperous prosperous prosperous properties of the prosperous properties of the prosperous prosperous

tarding of our growth.

Reports from WHEAT are wheat belt are most favorable, the entire belt being a reed with snow. The market shows a seried with snow. The market shows a long to the control of the

EGGS AND POULTRY
Hens are harm freely in the country
and supplies of merkind eggs are liberal.
Consequently merkind eggs are liberal.
Coid storage eggs, on the shade easier,
Coid storage eggs, essential,
Country selection, selection, so to Soc.
to Soc. At Montreal and the shade easier,
Soc to Soc. At Montreal coid easier,
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DAIRY PRODUCE

The mandard complaint regarding dairy butter at the time of year is its stable for the property of the property

145;0; twins, 150; old large, 16c to 15; oi twins, 150; ot 155; oi 156; oi 156

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A profitable cow ration

Caldwell's Dairy Meal is not an experiment, but the result of a great many experiments conducted under the supervision of the greatest feed experts in Canada. Here's all that

Caldwell's Dairy Meal

contains: Cluten Feed, Cotton Seed Meal, Dried Crains, Barley, Malt Combings, Molasses Meal,



Here's the guaranteed analysis:-

Protein - 20% Fibre - - 10%

Fat - - - 6.3%

Caldwell's Dairy Meal is palatable, easily digested and assimilated and fluaranteed to increase milk flow greatly while at the same time keeping your dairy herd in excellent health and condition. Its systematic use is a first-class investment.

it is more than likely that you are a consistent user of Caldwell's Purc Cane Molasses
Meal. If your Feed-man hash't stocked our Dairy Meal as yot, it will
pay you to write for booklet and full particulars.

The Caldwell Feed Co. Ltd., Dundas, Ont. Molasses Meal, Dairy Meal, Substitute Calf Meal, Poultry Meals.

Remember that PIETERTJE HENGERVELD'S COUNT DE KOL sired 13 daughters that made an average of better than 100 lbs. of milk each in one day. He sired 10 cows that average better than 30 lbs. of butter in seven days. He sired 12 cows that made an average of better than 115 lbs. of butter in thirty days.

There will be granddaughters of this great bull offered at the Lakeview Sale at BRONTE, ONT., on TUESDAY, 20th JANU-ARY, 1914. These heifers are sired by COUNT HENGERVELD FAYNE DE KOL, the senior bull at the Lakeview Farm, and are bred to DUTCHLAND COLANTHA SIR MONA, our son of COLANTHA JOHANNA LAD. Three daughters of COLANTHA JOHANNA LAD have recently completed the following records:

Dutchland Colantha Vale (jr. 2-year-old), 365 days; mllk, 22,750.2 lbs.; butter, 858.5 lbs.

Dutchland Colantha Mona (jr. 3-year-old), a full sister to DUTCHLAND COLANTHA SIR MONA, 365 days; milk, 22,645.6 lbs.; butter, 762.5 lbs.

Dutchland Changeling Colantha Lad (jr. 3-year-old), 365 days; milk, 21,239.8 lbs.; butter, 945.0 lbs.

DO NOT MISS THIS SALE. All females old enough are in the RECORD OF MERIT. Everything offered will be sold, and there will be no side bidding.

Catalogues from

E. F. OSLER, BRONTE, ONT.

COL. D. L. PERRY, of Columbus O., Auctioneer



Need Sugar

Pure sugar is necessary to the health of young or old. Good home-made candy, sugar on porridge, fruit or bread—not only pleases but

Buy St. Lawrence Extra Granulated in bags and be sure of the finest pure cane sugar, untouched by hand

Bags 100 lbs., 25 lbs., 20 lbs., Cartons 5 lbs., 2 lbs.

FULL WEIGHT GUARANTEED. St. Lawrence Sogar Refineries, Limited, - Montreal.

from factory to your kitchen.

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nook. Ont., from Jan. S.A. ar interest 25 years of culture will way.

HOLSTEINS

Lyndale Offering

One Yearling Bull—unberoulin tested—of his nearest dams average 27 lbs. butter sach in 7 days. Two grandsons of "KING OF THE PONTIACS." one 12 mes. old. from a 30-b in *1. *2-ear-old grand-daughter of Sara Jewel Hengervels.

BROWN BROS. - LYN, ONT.

The Holland of North America

Is the place to buy Holsteins of quality. The Third Annual Sale will be held in the city of Woodstock on March 25th, 1914. Full list of breeders in the Oxford District with post office and station addresses sent on application. For

R. J. KELLY, SECY., TILLSONBURG. ONT

Anything in Holstein Females

you think it would pay you to buy. WM, HIGGINSON - INKERMAN, ONT.

HOLSTEINS

15,345 lbs. in 1 Year

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OXFORD DISTRICT AGENTS We will pay you well to hustle

FARM AND DAIRY, Peterboro, Ont.

AVONDALE FARM

KING OF THE PONTIACS BULL CALVES

We have just sold ALL BUT TWO OF SONS of KING PONTIAO ARTIS CANADA that are fit for service. The two left have both got official tested ancestors for several generations, one ancestors for several generations, one having 24-lb. dam, one is a grandson of Prince Hengerveld Pietje, whose dam has over 33 lbs. PRICE, \$275.00. for each of these splendid individuals.

We have a lot of younger ones A. C. HARDY, BROCKVILLE, ONT.

MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a son of King of the Pontiacs and from a daughter of Pietertje Hengerveld Count De Kol. Junior Herd Sire, King Segis Pontiac Posch, a son of King Segis Pontiac Alcarta (the \$10,000 bull), and from a 10,62 lb. 3 year old.

We will be glad to mail to anyone extended pedigrees of these Sires. We are offering a limited number of cows in calf to them for sale.

No Heifer Calves for sale at any price.

GORDON S. GOODERHAM BEDFORD PARK, ONT.

CLARUM-BRAE FARMS

Offers Young Holstoin Friedan Bulls by imported sire, who has nearly 40 of his nearest female relations averaging 30 hb, butter in 7 days. Come and inspect, or write to-day Photos and breeding particulars gladly sen free on request. Price \$50,00, prepaid in Ontario, breeding particulars gladly sen free on request. Price \$50,00, prepaid in Ontario.

NORFOLK SALE, SIMCOE, MARCH 11, 1914

Norfolk Holstein-Friesian Breeders' Club J. ALEX WALLACE, Secretary- Treasurer

DAIRY HERD FOR SALE

9 head Holsteins, 3 to 8 years old, freshening in January to March. Al heavy milkers, in good condition. Yearly records published here next week. Write me.

R. G. ALLISON

BRISTOL, QUE.

FAIRVIEW FARMS HERD

is the only place on earth that you can secure a young bull that is a brother to the sire of the cow holding the championship of Canada as well as the United Department of the core of the core of the core of the power as the core of the core o

F. H. DOLLAR,

MEUVELTON, NEW YORK,

NEAR PRESCOTT, ONT

CLEARING AUCTION SALE OF 30 REGISTERED

Port Hope, Ont., Friday, Feb. 6th, 1914

Rigs will meet all morning trains. Sale at 1 p.m. sharp-

This comprises the oldest established herd of Hoisteins in Canada, the first importation being in 1800. The thirty pure breds offered have in them, a combination of the most fashionable blood and are offspring of many prominent winners at our big eshibitions. Through great care in the selection of aircs and in mainting, they have been development of the description of the selection of aircs and in mainting, they have been development in the selection of aircs and in mainting the part of the selection of aircs and the selection of aircs. A number of select grades will also be offered.

Excellent railway facilities—all G. T. R. trains stop at Port Hope in

Catalogues will give you full particulars reparding animals and their breeding. Drop a card for one.

JOHN H. MACKLIN - PORT HOPE, ONT.

OUR FARMERS' CLUB

PRINCE EDWARD ISLAND

PRINCE EDWARD ISLAND

NING'S CO. P. E.I.

NING'S CO. P. E.I.

VERY good weather here: no snow yet;

very little frost. It is raining hard tomill. Butter as going up in price: is now

To a lb. Most people's hens are laying
more: Circle eggs, flos a doz, slore prices.

So and the public should be sold to the form

to the sold property of the sold for 160 a

lb. dressed fowl. 120 to 160 a lb.: try
keys, 250 a lb.: ducks and gesse, 150 a lb.

Our poultry show held in Charlette

to Mr. Benson, our poultry man—G. A.

OUEBEC.

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QUEBEC.

BICHMOND CO., OUE.

DANVILLE, Ibcc. M.—For the last week
we have had recular winter weather. On
the night of the SNA it began to snow.
Those who have had never teaming to do are taking advantage of the good selegibling:
bark logs, they are desired to the good
for most farm produce remain at a high
price: Becf. live, for to 8: port, dressed,
lize to 10: cgm. do. Intitre, 36: turkey,
25: hay, 80: AUTABLE.

ONTARIO

AYR, Dec. 29.—We had a fall of more on the Shed, covering the sumed nucley roads. Farmers are well awareness are well awareness and sume and a sume and a sume are sumed nucley and sume are building or nutling unsure. A number of farmers in the vicinity are talking or nutling up siles, and some are building for nutling up siles, and some are building for nutling up siles, and some are building for nutling up siles, and some are yellow the sume of the sume of the sume of the sum of t

nearly every one is anxious to hav. They are realisting that it will be difficult to buy seders and stockers in the future—

BLGN CO. ONTE. have had exceptionally fire sinter weather during all the month of December. The roads are splendid, and the rigs and attos fit time. The writer never saw as fine a display of poultry as this Christmas time in St. Thomas. Beautifulciens. In great abundance, adorted all the retail shops, and the price was not exceeded. The control of the control

UNION BANK PROSPEROUS
Gians in net profits, in deposits, in reserve account, current loans and total
assets characterise the 49th annual report of the Union Bank of the Mininger on
loc. 17th. in brief the report is the
best in the history of the bank, and
shows that this well-known institution
has been keeping alterast of the development which has the my place the the the the
Try. The net profits for the year amount-

throw of Canadians left unsold should be seen to be a seen to be s

SALE DATES CLAIMED

SALE DATES CLAIMED
Lakeview Holsteins, E. F. Osler,
Broute, Ont., Jan. 20th.
Southern Ontario Consignment Sale Co.,
5 head of Holsteins. Tillsonburg, Feb.

80 1.00. 75 head of Holsteins, 41 females 10th Dispersion sale of Holsteins, 49 females

Manor Farm

Bedford Park. Ont.. December 22nd. 1913.

Advertising Manager,
"Form and Dairy,"
Peterboro Ont.

Peterboro. Ont.

Dear Sir.

With regard to the Farm
and Dairy as an advertising medium I can frankly say that since
we started to advertis some two
years ago, we have had no bother
in disposing of our bull caives and
in 'tet now have orders to fill for
Nova Scotia. British Columbia. and Nova Scotia, British Columbia, and also locally.

Yours truly,

(Signed) Gordon S. Gooderham.

(Signed) Gordon S. Goodernam:
Mr. Goodernam is one of our foremost
Holstein breeders who finds the most profitable way to sell his surplus whee is through
advertising in Farm and Dairy. Our other
dairymen can do libewise. Why not fix up
an Ad, to-night? Start 1914 by letting your
brother dairymen know what you have for

and seven males. Evergreen Stock Farm
A. E. Hulet. Norwich, Ont., Feb. 11th.
Norfolk Holstein -Friestan Breeder's
Norfolk Holstein -Friestan Breeder's
Norfolk Holstein - Holstein Breeder's
H. F. Patterson, Alford Jet., Ont., Holsteins, Mar. 12th. R. O. H. McKenzie
Thornhill, Ont. Mar. 11th.
Gordon B. Gooderham. Bedford Park
May 26th, Holsteins.

Wm. J. Jackson, Peel Co., Ont., writes: "We couldn't think of stopping Farm and Dairy."

Burnside Ayrshires

Winners in the show ring and dairy tests. Animals of both eares, Imported or Canadian bred, for sale.

Long Distance 'Phone in House, R. R. NESS HOWICK, QUE.

Percheron Clydesdale

and Shire

Stallions, Mares and Fillies

Belgian, Hackney and French Coach Stallions

Coach Stallions
We have a better bunch of stallionard marse in our barns at present
than ever before, and save in position
in the business.
We raise our own feed, do our own
buying and stilling. No commission
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graph of the stalling of the stallin List of prizes won:—Sherbrooke and Ottawa on 16 head, 15 firsts, 6 seconds, 4 thirds, 3 fourths and 6 champion-

This speaks stronger than words as to the quality of my stock. These horses will be in Ottawa at Fat Stock Show.

J. E. Arnold, Grenville, Que.

Grenville is midway between Mo and Ottawa, C.P.R. and C.N.R. trains daily from each of these c

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DAIRYMEN! You can buy Cotton Seed Meal At \$33.50 F.O.B. Forest

H. FRALEIGH FOREST, ONT.

Is Your Farm Paying?

A great many farmers at the present time find that their farms are not paying, but they do not know just where the leak is. In other words thee farmers keep no books. Siart the new year right by settling a

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FARM AND DAIRY Ad. Dept. Peterboro, Ont.



for a Horse

Save a horse and you won't have to buy one. Don't sell or destroy any horse on account of Spavin, Splint, Ringbone, Curb, Sprains or Lameness. Spend one dollar for a bottle.

KENDALL'S SPAVIN CURE

saved a great many horses — has put n back to work, even after they have a given up. Over 35 years of success e proved its value.

J. M. Greatin of Strlin, Que.

"There been using your Spavin ure for many yours, always with continuous spavin Cure at your formation of the spavin Cure at your druggists." Frice, \$1.00 per stile, 6 botts for \$0.00, 10 auties on the Hisrae Tree at toggists or from

burg Falls, Vermont, U.S.A.

Farm and Dairy's Referendum

Farm and Dairy believes that the will of the people should decide all questions of public policy. We believe that the Referendum is the best way to find out exactly what the people think. Accordingly we will hold a Referendum in the issue of Farm and Dairy for January 25, by which readers, men and women alike, are invited to express their opinion upon eight questions of pressing national importance.

What do the people of Canada thinkupon these vital questions? That is what our Referendum is being conducted to findut. This is almost the substitution only opportunity on the progressive measures, and titled to vote will make dwoman entitled to vote will me the substitution to be published in the issue of next the whole Dominion, so we want Our the whole Dominion, so we want Our the Whole Dominion, so we want Our Folks to combine to make the Re-

THE QUESTIONS

- 1. Are you in favor of Dominion Legislation providing for the incorporation of cooperative societies?
- Are you in favor of having the Government own and operate all (b) Telegraph and Telephone Companies?
- (c) All Railways? 3. Are you in favor of extending the franchise to women on equal terms with men?
- Which would you prefer-
 - (a) Sending \$35,000,000 to the Imperial Government as a temporary gift, to be expended for naval defence?

 - (b) Expending \$35,000,000 to start a Canadian Navy? (c) Not spending any money for either purpose, but spending hundreds of thousands of dollars, if necessary, towards the establishment of universal peace and disarmament, and the settlement of international disputes by arbitration?
- 5. Are you in favor:
- (a) Of increasing the British Preference to 50 per cent.?..... (b) Of increasing the British Preference year by year until within from five to ten years we shall have complete free trade with the Mother Land?
- 6. Are you in favor of raising by a tax on land values only,
 - (a) All school and municipal taxes? (b) All Customs taxes, thereby making the adoption of complete free trade ultimately possible?....
- (c) If not in favor of having all Customs taxes abolished, do you favor the removal of the duties on agricultural implements and having the Dominion Government raise the necessary revenue by a direct tax on land values instead? 7. Are you in favor:
- (a) Of the Dominion Government granting money for the improvement of highways, and designating, in consultation with the Provincial Governments, where and how such money shall be expended?
- (b) Would you prefer the money so granted should be expended under the control of the County Councils?
- 8. Are you in favor: (a) Of the Referendum?
 - (b) The Initiative?
 - (c) The Right of Recall?

(c) The Right of Recall?

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WE SELL DIRECT. R.DILLON & SON OSHAWA, ONTARIO,

FOR SALE—2 cars well cured, good, Clover Hay (red clover and some alfalfa). Send price per ton, f.o.b Brigden Station.— Frank C. Pretty, Wilkesport, Ont ***********

Breeder's Directory

Cards under this head i serted at the rate of \$4.00 a line per year. No card accepted under two lines nor for less than six months, or 25 insertions during twelve months. card accepted under two lines not of for less than six months, or 26 insertions during twelve months.

FOR SALE-2 Sons of King Fayne Segis Clothilde, from R. O. P. cows. Also three Clyde Filites and 3 Stallions, Yearlings. -R. M. Holtby, Manchester, Ont.



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For best results, ship your live Poultry to us also your Dressed Poultry, Fresh Dairy Butter and New Laid Eggs. Egg cases and poultry crates supplied. Prompt Returns.

The DAVIES Co. Ltd.

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FOR SALE

Creamery Equipment and Machinery, including boiler, waggons, cans. etc. Also fee cream freezer and shipping tabs. This is an excellent opportunity of the control of the co mailed on application.
Box 522. Farm and Dairy, Peterbore, Ont.

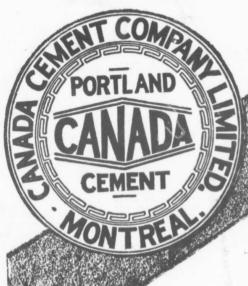
Toronto consumes daily the milk and cream from over 14,000 cows and the butter from over 70,000 cows. We need your cream.

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Can be depended upon to make concrete that will last for generations. There is only one grade—the best that science and skill can make, and we have reduced the price of "Canada" Cement until it is within your reach for practically every purpose.

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