



## You Get it in the "Simplex"

Cleaning

1. Increased capacity of from 30 to 50 per cent. over the most efficient of previous devices, combined with very clean skimming under a wide range of conditions as to milk, temperatures, etc.

2. Great convenience in cleaning and handling, because the blades do not come apart, and do not have to be reassembled in any particular order.

3. The device being expansible, and fitting the bowl snugly, it can never become loose, or shift in the uowl, and throw the same out of balance.

4. The pressure being transmitted through a series of brass rivets, there is no strain on the blades themselves, and there is no rusting formed by the points of contact of the rivets

5. The device, being much more efficient, is a great ueal lighter and smaller in order to do the same amount of work, making it still easier to handle, and requires less power to run than other devices of same capacity.

There are several other exclusive features of the Simplex that it will pay you to know about. Send a post card to-night for our illustrated booklets telling you more about this Peer Amongst Cream Separators.



WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS 

ONE WEEK from date of this issue our Farm Improvement Magazine Number (Fourth Annual) starts on the presses.

Prepare your copy and send it in now to go out 14,500 strong, May 2nd, to over 75,000 prosperous, Dairy farmer people. Farm and Dairy reaches these exclusively.

Bear in mind the records we are making-Great Dairy Annual April 7th was 65% ahead of a year ago- and get your copy in early. Better send it to-day.



Over the Hill from the Tile Yard is a Road Progressive Farmers **Travel Frequently Now-a-days** 

Toronto Milk Producers Meet

the the semi-amout meeting of the toron-to Milk and Cream Producers' Asso-ciation, held in the Labor Building, Toronto, April 6th. About 400 mem-bers were present. J. G. Cornell, the President, was in the chair.

After some discussion, Mr. Anthony Forest of Locust Hill, moved that the regulation of prices be left to the exregulation of prices be left to the ex-ecutive. Later at a private meeting of the executive following a conference with representatives of the. Toronto Milk Dealers' Association, it was de-cided that the average price for the five months beginning May 1st, should be \$1.97 an eight gallon can, deliver-ed to the dealer. The prices paid last year were \$1.15 to \$1.30. Hence this year the price is slightly higher.

### Get Rid of Smut

This is the time of the year to in ure against smut in grain. Year afsure against smut in grain. Year at-ter year smut causes great losses. There is no reason why this should be the case if the seed is properly treat-

ed. The best known and most widely-used substance for treating seed grain is formaldehyde. This can be bought in drug stores at a moderate price. One pint is put into 40 gallons of water, and the seed grain is then dipped in the mixture in such a way as to we the outside of overy kernel. Or the formaldehyde solution may be spraved ont the grain, while apreed sprayed onto the grain, while spread upon the floor - it being raked or shovenled over frequently

PRECAUTIONS

A few precautions should always be observed : (1) Formaldehyde varies in strength

and, if there is doubt as to its quality, a sample of it should be sent to the chemist of the Experiment Station, in

ing more per acre.

This formaldehyde treatment will • JOYONTO MILK Frequences Meet Milk prices for the summer month, was the chief topic for discussion at he semi-annual meeting of the Toron-taidon, held in the Labor Building, iation, held in the Labor Building, iation, held in the Labor Building, iation, held in the Labor Building, is will host prevent a sinking awut of wheat, loose amut of to will a ob prevents fax-wilt jit the treat-de aed is sown on land which has grown no flax for five or aix years. It will not prevent loose amut of the sink prevent a sinking awut of wheat, loose amut of mers were present. J. G. Cornell, the ment. These must be dealt with dif-ferently. ferently.

April 18, 1012.

### **Items of Interest**

The Ontario Agricultural and Ex-perimental Union will in 1912 carry on permental Union will in 1912 carry on cooperative experiments in weed radi-cation. A few of the more comman and troublesome weeds have been as-lected for this year's work. All inter-ested in clean farming are asked to cooperate. Full particulars can be obtained on application to the Direc-tor of Weed Eradication, Ontario Ag-icultured Colleges, Guidea, Ore J. ricultural College, Guelph, Ont. Mr. J. E. Howitt, of the Botanical De-partment, is taking charge of the work

Plans of barns that are already in use on farms in Ontario and giving good satisfaction from the standpoint of convenience, comfort in working. of convenience, comfort in working, etc., are given in diagram form in a new booklet gotten out by che Metal Shingle and Siding Company of Pra-ton, Ont. As well as giving stable plans, this book, by means of diagrams describes the various styles of frame construction and also illustrates hor the frame of an old horn may be used to good a diagram frame of an old horn may be used the frame of an old barn may be used to good advantage in enlarging for the new barn. These plans are such as will appeal to the every-day farm-er. Farna and Dairy readers are ad-vised to write to the Metal Shingk and Siding Company for a copy of this book, which is given free to Furn and Dairy readers who apply for it.

chemist of the Experiment Station, in order to determine its exacts attength. (2) The sacks in which the grain is treated should first be cleansed by boiling in water, or by washing in a strong solution of formidehyde. (3) Everything which the grain touches after having lean treated thoroughly cleaned with a strong solution of formidehyde in of formaldehyde (1 pint to 10 gallons of water). ARED ATTER TRAFACTORY (4) If seed is kept for some time to have a drainage survey mad after treatment; do not let it sprout should drop a card to the Departmeet swollen after treatment; allow for the upon a regular application form will make the survey. parties concerned. Anyone wishing make the survey.

Issued Each Week

Vol. XXXI.

HOW TO SEC The Average Yield Possible - How

ATS are grown adian farms ar We are convin age yield might be the quality of the oa farmers might also some of our best fa oat crops yield over 1 average yield is sor bushels. This is alt ancy between the av will endeavor to expla farmers that we are able to secure average to the acre.

We believe that the as much to do with preparation of the se pect good results from we have seen tried. of oats in the same fi same treatment, show to 40 bushels. After ourselves have come we find to be a good oat. Some of our ne ian variety and consi Banner. For grain we sometimes grow, not because it is a l ripens about the sam barley.

NOT AS GO

It may be well also that we have had w variety makes a great have found it to hav good horse feed and what one would expec harvesting.

We practice fanning but the largest and Sowing directly from generally practiced m ada, is always bad of oats there is cert small shrunken grain: produce a poor plant. plan to select one bu to four bushels put r INSURANCE

We treat all our see we have not seen that years. We consider one pint of formalin, water and with that a oats that we use in on plication that we follow clean, so clean that t around, and then spre

FARM AND DAIRY

Issued Each Week ARMAND DAIR RURAL HOME

Vol. XXXI.

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FOR WEEK ENDING AFRIL 18, 1912.

No. 16

Only \$1.00

Year

### HOW TO SECURE BIGGER YIELDS FROM ONE OF OUR MOST COMMON CROPS E. F. Eaton, Colchester Co., N.S.

### The Average Yield of Oats is 30 to 40 Bushels an Acre - Yields of 75 to 100 Bushels are Easily Possible -- How to Secure a Maximum Yield-Suggestions from a Successful Grain Grower

ATS are grown almost universally on Canadian farms and their value is appreciated. We are convinced, however, that the average yield might be well nigh doubled and that the quality of the oats produced by many of our farmers might also be greatly improved. On some of our best farms, I have frequently seen oat crops yield over 100 bushels to the acre. The average yield is somewhere between 30 and 40 bushels. This is altogether too great a discrepancy between the average and good yields. We will endeavor to explain how we and several other farmers that we are acquainted with have been able to secure average yields of 75 to 95 bushels to the acre.

We believe that the selection of seed has almost as much to do with a favorable yield as has the preparation of the soil. It is foolishness to expect good results from some varieties of oats that we have seen tried. We have seen two varieties of oats in the same field, each getting exactly the same treatment, show a difference in yield of 30 to 40 bushels. After trying several varieties we ourselves have come down to the Banner which we find to be a good yielder and a good quality oat. Some of our neighbors are using the Siberian variety and consider it even superior to the Banner. For grain mixtures with barley, which we sometimes grow, we prefer the Daubeny oat, not because it is a heavy yielder but because it ripens about the same time as the Mandscheuri bariey.

### NOT AS GOOD AS IT LOOKS

It may be well also to mention the experience that we have had with the Tartar King. This variety makes a great showing in the field but we have found it to have too thick a hull to make good horse feed and the yield was nothing like what one would expect from its appearance before harvesting.

We practice fanning mill selection and nothing but the largest and plumpest of seed is sown. Sowing directly from the bin, which is the most generally practiced method here in Eastern Canada, is always bad practice. In the best crop of oats there is certain to be a percentage of small shrunken grains that germinate poorly and produce a poor plant. In a fairly good year we plan to select one bushel of seed from the two to four bushels put through the mill. r

INSURANCE AGAINST SMUT

We treat all our seed grain for smut, although we have not seen that disease on our farms for years. We consider it cheap insurance to buy one pint of formalin, mix it with 40 gallons of water and with that amount treat all of the seed oats that we use in one year. The method of application that we follow is to sweep the barn floor clean, so clean that there will be no weed seed around, and then spread the seed grain out to a

depth of three to four inches. This we moisten with the formalin solution by means of an ordinary watering can. We turn the grain over with a scoop shovel and water again. We then push the grain into a corner in a heap, cover the heap with horse rugs or grain sacks to retain the fumes of the formalin, and in 24 or 36 hours we will guarantee that grain absolutely free from smut spores

### EARLY SEEDING IMPORTANT

We prefer to seed our oats following some hoed crop; in our case mangels, turnips and potatoes, It is of vital importance that oats be seeded as early in the season as possible. We believe that a week's difference in seeding may make a difference of 10 bushels an acre in the yield. For that reason we prefer to plow the land shallow in the

### Forceful Articles

I am very glad to receive Farm and Dairy and wish to compliment you on the steady improvement which is noticeable through the naner.

I have taken a good deal of interest in reading the special articles that have been a feature on page four, and have been wondering who has had the time to work out such comprehensive and forceful articles .-J. A. McLean, Professor of Animal Husbandry, Mass., Agricultural College, Amherst, Mass.

fall, apply the manure in the winter and then all that there is to do in the spring is to thoroughly disc the soil, going over it twice, first lengthwise, and then crosswise, lapping the disc each trip. This disc will work the manure in the ground and spring plowing is not necessary. We follow the disc with the drag, and then comes the seeder.

### FOR A BETTER LOOKING FIELD

A small point in seeding, but one that has much to do with making an even looking field, is to open the feed, when at the head lands, about two feet from where you wish to start seeding as one will go that distance before the grain reached the bottom of the spout. Where our oat crop follows sod, we prefer to plow, disc and work the land as much as possible before winter to facilitate getting the crop in early in the spring.

We believe it a mistake to use the roller as a last operation. This leaves the land in just the right shape to lose moisture at a tremendous rate and this loss of moisture will have an even more detrimental effect on the small clover plants than it will on the crop of oats. We roll after seeding to compact the soil around the seed and give it plenty of moistule for germination but after the roller we follow with what we call the Breed

weeder. This is a very light harrow that pulverizes the soil and leaves a mulch about an inch deep on the surface. Again, after the field is showing quite green, we run over it with a light harrow to reform the surface mulch.

We have noticed in recent issues of Farm and Dairy considerable discussion regarding the advisability of using commercial fertilizer on every day farm crops. In our own section of Nova Scotia, fertilizers are almost universally used, and are generally believed to be profitable. On the land on which potatoes have been previously grown, no fertilizers would be applied to oats as the heavy application to the potato crop has beneficial after effects. Following other crops, however, we would make liberal applications of potash and phosphate fertilizers. Bone meal was once a favorite fertilizer but we are now come to prefer muriate of potash and Thomas phosphate. For nitrogen, of course, we depend on barn yard manure and leguminous crops. The amount and proportion of the fertilizers used depends altogether on the quality of the soil. We seldom use over 400 pounds mixed fertilizers to the acre.

### Be Prepared for Spring Work

E. C. Colback, Cumberland County, N. S.

It almost makes me mad to see the way in which some farmers take their horses out of the stables in the spring when they have stood almost idle for months and start them right in to the hardest kind of spring work. This looks to me like a case for the Society for the Prevention of Cruelty.

There is another side of the question too, besides the humane one. We cannot afford to do it. The efficiency of the horse for work is lowered immensely by lack of preparation and just at the season when we need good work most-in the spring. And I do not believe that the horse jumped from the stable to the plow in spring can be as efficient a worker through the whole succeeding summer as the horse that is prepared wisely and judiciously for the strenuous weeks of the spring.

At least a couple of months before spring work starts we commence to get our horses into shape, but even yet much can be done to harden the horses. If we have no work for them we should make work. They should get increasing amounts of exercise every day. Likewise the grain ration should be gradually increased, but in this particular care should be taken or we will have the horses down with founder, indigestion or even azoturea, all of which diseases result from bad feeding, or too heavy feeding. Increasing the exercise, however, is the main point in preparing the horses for spring work.

Cow testing is a simple, reliable and very inexpensive method of determining what each cow gives in weight of milk and in weight of butter fat. It is a method of determining what each cow gives, not what the herd averages .-- C. F. Whitley, Ottawa, Ont.

### FARM AND DAIRY

## GREAT FORTUNES-ECONOMIC CONDITIONS AND THE PEOPLE

ARTICLE No. 17

....

Becoming a millionaire or multi-millionaire is not such a difficult matter as most people think. The main essential is to obtain a monopoly, form a combine or secure special legislation that will give you the power-directly or indirectly, it desent matter much which—to squeeze their earnings out of the people at large. Once you have done this money will flow into your pockets in a stream the size of which will be limited only by the extent of the "special privilege" which you enjoy. That is advantage but to the datuate pot here we hold the "special privilege" which you enjoy. That is advantage but to the datuate of the "special privilege". There are other ways in which great fortunes are sometimes made but they are not numerous and in comparison with the methods mentioned they are unimportant. We seldom hear of a lawyer, a doctor, a merchant, or even a much abused "middle man," who has become a millionaire through by mercles. It is only when they break away and get control of or an interest in a "special privilege" of some kind, that their wealth begins to double and treble as though by marie.

### THE PUBLIC VIEW-POINT CHANGING

There has been a wonderful change during the past fifteen years in the position of the public in regard to the granting of "special privileges." This change is but the beginning of still greater changes to one. The struggle against "spoil privilege" is only in its infancy. It can, however, ever have only one ending. The people in time will triumph on every point.

### CONDITIONS AS THEY HAVE BEEN

Up to about fifteen years ago the public-particularly the people of the United States, used to fall down and worship the millionaire and multi-millionaire. Such men were acclaimed as "wards of finance," the "marvels of the age." People talked about them with awe. The press, of almost all grades, in answer to the demand of the public, revelled in publishing their illustrations, in describing their modes of life, and in relating accounts of their sudden ascents from poverty to affuence. The young people of the country were regaled almost from infancy, by tales of the wealth that might ultimately be theirs if they would but follow the examples of these great men. All this was because the public did not understand how most of these enormous fortunes had been made.

### WHEN THE CHANGE CAME

Some fifteen years ago the change commenced. Cite tran to cease giving monopolies and exclusive franchises to electric light and street railway companies. Protests were made against the sale, at pality prices, of great timber limits and other natural resources to private individuals. Mc-Clure's Magazine commenced to publish the series of articles by Ida M. Tarbell exposing the methods of the Standard Oil Company. "Everybody's" held the public spellbound by its articles, written by a millionaire, on "Frenzied Finance." Other magazines followed suit. They revealed to the astounded public the methods of the great railway companies and other monopolies. The precincts of even the sacred tariff were invaded. Exposure followed exposure. The Beef Trust was dragged into the open. The men of wealth, whom the public had shortly before been acclaiming as types of the country's greatness and virility, were called into court, and forced to fight with all their might to save themselves from being sent to gaol. The cold-blooded, remorseless manner in which they had used their "special privileges" to crush and ruin weaker competitors and plunder the public, were disclosed.

All this time the public was being educated to see things as they were. The demand for reform grew. Ex-President Roosevelt entered the lists in the contest with "predatory wealth." The people were with him and showed it. President Taft has continued the fight. The machinery of the National Government has been used to break up the Standard Oil monopoly. the Tobacco Trust and other combinations that were plundering the public. In Great Britain an even greater fight has been wared and has resulted in the Mother Country attacking the greatest monopoly of all, the monopoly in land, by imposing a direct tax on land values and thereby regaining for the people at large a portion of the wealth which the people at large create.

### A WONDERFUL CHANCE

All this has worked a wonderful change in the attitude of the public. Instead of asking now how much wealth a man or corporation has, the first question is, "How did he make it?" Men who a few years ago were lauded to the skies have since been branded by public disfavor. The public has begun to see things as they are. They realize that most, although possibly not all, of the great fortunes at which the world has wondered, have been made by plundering and exploiting the people of the country, and while this has been accomplished for the most part in a periectly legal manner, it has been done just as flagrantly as the pirates of old sacked the merchantmen on which they preyed. And just as the people ultimately drove the brigands from the seas so the public will rise soon and put an end to the power of the few to exploit the rest of us for their benefit. In this struggle we farmers must play an important part. For years we have been preyed upon, as we still are, by "Special Privilege" masked in many forms. This has been the main cause for rural depopulation, for were farming as profitable as it should be, people instead of flocking from would flock to our farms. Monopoly after monopoly, combine after combine, merger after merger, has been forcing up the prices of the articles the public must buy. These have reached higher levels than ever known before. Thus, while we farmers are receiving more for our farm produce than we ever did before, and while the wages of the working men in our cities are the greatest on record, still rural depopulation continues. city slums grow and the number of our millionaires and multi-millionaires increases,

### ECONOMIC CONDITIONS RESPONSIBLE

Economic conditions are responsible for the problems that confront us. Our leading thinkers realize this. Prof. L. H. Balley, of Gornel! University, possibly the world's greatest authority on agrioutures, in his book, "The Country-Life Movement," makes the statement: "The decline in rural population grows out of economic conditions." Our education is only beginning, but already the publie press is beginning to deal with these questions as it never has before. This series of articles in Farm and Dairy is but a proof of this. Five years ago Farm and Dairy could not have published such a series of articles. To-day similar articles are appearing in the the daily and agricultural press all over the continent. The extension of rural fore mail delivery, country telephone lines and other agencies for the up-lift of agriculture are working a transformation in public thought. In this transformation our farmers' organizations, particularly in Western Canada, are playing an important part. own thinking as we never have before. It will be attended in all likelihood by a number o'vielent convulsions in the body politio, as all impertant changes in public thought are, but a batter day is dawning; and as it dawns, agriculture will come into its own as it never has in the past. The next few articles in this series will show how monopolies are obtained and combines cruited, and will mention briefly simile remedies that would work a wonderful charge.

April 18, 1912.

### Dairying and Soil Fertility

J. R. Westlake, Carleton Co., Ont.

One of the greatest things that dairymen, good dairymen, are doing for agriculture is the raturning to the soil of the elements of plant food that they take from it. We farmers all over America have been wasting fertility at a fearful rate. We talk about the corruption and ex W travagance of our Governments, of the millions of dollars that are wasted in useless public works, in bounties, etc., but the total loss from that source does not begin to compare with the millions that are lost through wasted soil fertility every year. I would not be afraid to guarantee that the soil fertility that has been wasted in Western Canada is worth almost as much as the wheat that is being shipped out of the country. Even here in our county I know of dozens of farms, and in the whole province there will be thousands upon thousands of farms, where there is only one cow to 10 or 12 acres and where the best part of the income is made by selling grain, hay and so forth.

### THE FARMER TO ADMIRE

All of this means waste. The farmer of to-day that we should all admire is the farmer who has faith enough in his business to market all the products of his soil at home. When he sells his butter, his cheeses, or port, he sells comparatively little soil fertility. He retains for his our benefit and the benefit of his children the elsments that will make and remake wealth. He sets an example to the rest of us and is descring of the thanks of future generations.

So far I have been merely moralizing. realize that most of us are looking for satisfactory returns for our labors in this generation and are not worrying particularly about those that come after us. So for our own benefit, 1 can claim that intensive dairy farming will pay larger returns in this generation than will grain growing. I know of almost a dozen farms right here in Carleton county where the farmer's income has been doubled and trebled by the adoption of dairying. These farmers are actually maintaining the fertility of their soils or increasing it, and at the same time are making more dollars and cents every year. The fact that dairying is the best method of conserving the fertility is the best argument I can advance why we should go in for it more intensively

### Notes from a Bee Man

R. I. Holterman, Brant Co., Ont. The anow will have to be cleared from the ground in the spring, because bees dying early in the spring are often partly childed, maybe by a passing gust of wind or the sun is hidden for a minute, and when they drop on this snow they very rarely rise again. A good plan is to spread staw over the snow or ice.

Some warm evening, when there is promise of a fine day, the bees may be quietly carried out and placed on their permanent stands for the season. This allows the bees to become a little accustomed to the outside air before the warm air next day gradually warms them to flight, and they are more apt to locate themselves and return safely to their homes.

### April 18, 1912.

### Shall We

Jas. Armstrong Just now before work is a good time work horses. If the working horses on t is this spring. We weather last winter Our horses have grou set in to hard work, with a rush with the with the ing of hair will be ve efficiency and to its say by all means di

Of course precauti slipped horse. So lo is well. If the night be well to see that the not do to stand for to Just use common see never have had any of horses in the spring.

### A Talk on S

J. N. Mowbr. It is not necessary sugar beet business of Chatham. The fa panies operating in taken up all the as the season is ample g ers have in the sugar to grow. A sugar c already contracted is will run their factory

In the culture of t should remember five importance to the su-(1) Thorough prep

ning the previous se paration should beg wheat, barley or clov land should be plow shallow at this tin and if any manure to be used, it should be applied at this tin Land must be work thoroughly to germi ate as many weed see as possible and th should be followed fall plowing a litt deeper than it is usua ly done. A seed bed f beets in the spring just what would considered a good se bed for fall wheat a solid top with a fin bottom.

(2) Shallow plantin — from one-half inch one and a half inch deep, using 15 to 2 lbs. of seed an acre.
(3) Early thinnin when the beet has fro four to six leaves.

(4) Frequent cultiving once each week fr within the tops

HARVEST AT (5) Harvesting the farmers think that th harvesting beets. Bu is just as necessary 4 when ripe as with an are not harvested th and lose both weight be

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### Shall We Clip Our Horses?

Jas. Armstrong, Wellington Co., Ont. Just now before we start in to the hard spring work is a good time to think about clipping our work horses. If there ever was a time when the working horses on the farm should be clipped it is this spring. We had more continuous cold weather last winter than for many years past. Our horses have grown a long shaggy coat. When set in to hard work, and we will be going at things with a rush with the late spring, this warm coating of hair will be very detrimental to the horse's efficiency and to its comfort as well. We would say by all means clip the horses this spring.

Of course precautions must be taken with the dipped horse. So long as he is working hard all is well. If the nights are cold, however, it would be well to see that the horse is blanketed. It will not do to stand for too long around the head-rows. Just use common sense and avoid chills. We never have had any cause to regret clipping work horses in the spring.

### A Talk on Sugar Beet Growing

J. N. Mowbray, Oxford Co., Ont. It is not necessary to talk of the profits of the sugar beet business to farmers in the vicinity. of Chatham. The fact that all the sugar companies operating in that section have already taken up all the acreage they can handle for the season is ample proof of the faith that farmers have in the sugar beet as a profitable crop to grow. A sugar concern in Wallaceburg has already contracted 7,000 acres for 1912 which will run their factory to its full capacity.

In the culture of the sugar beet crop, farmers should remember five points which are of vital importance to the successful production of beets : (1) Thorough preparation of the soil, beginning the previous season if possible. The preparation should begin after a crop of oats,

wheat, barley or clover has been harvested. The land should be plowed shallow at this time and if any manure is to be used, it should be applied at this time. Land must be worked thoroughly to germinate as many weed seeds as possible and then should be followed by fall plowing a little deeper than it is usually done. A seed bed for heets in the spring is just what would be considered a good seed bed for fall wheat -a solid top with a fine bottom

(2) Shallow planting -from one-half inch to one and a half inches deep, using 15 to 20 lbs, of seed an acre. (3) Early thinning when the beet has from four to six leaves.

(4) Frequent cultivation. I advise cultivat- "secret of the greater prepotency of the pure bred ng once each week from the time the beets are dairy sire. Chinned till the tops cover the ground.

HARVEST AT THE RIGHT TIME

(5) Harvesting the crop when ripe. Too many farmers think that there is no definite time for harvesting beets. But experience shows that it is just as necessary to harvest a crop of beets when ripe as with any other crop. If the Leets are not harvested they take a second growth and lose both weight and sugar content.

Our soil and climate here in Ontario have proven exceptionally well adapted to the production of beets, and I see no reason why the \$20,-000,000 which is now being sent out of the country for sugar should not eventually be retained by the farmers of Ontario. At the present time we take all the wheat that grows on six acres of land and exchange it for the sugar which grows on one acre. In addition to this we lose about 17 cents worth of soil fertility with each bushel of wheat, or about \$3,000,000 worth annually, while in the sugar there is no fertility whatever



### Hog Manure is Much Too Valuable a Fertilizer to Waste

The mater ight, ceneral trank here illustrated bears testimony to the care used at the Hamilton Asylum Farm to preserve that valuable fertiliser, hog manures. The tank is located at the end of the just per an end of the per and per second per

I hope to see this condition remedied some day by the production of more sugar at home, and I am pleased to know that some farmers of Western Ontario are doing their share in the work of retaining for Canada the sugar making industry that should be her's.

### Why a Pure Bred Sire Is Best G. D. Mode, Prescott Co., Ont.

Every male animal has within himself the power to impress his characteristics upon his offspring. Some have the power to a much greater degree than others. In this differing power lies the



A Sap House Conveniently Located near the Barns on a Western Ontario Farm

As the indust conveniently located mean the basis on a reterent Catarle range Mr. Goo. Wood, of Weniverth Co., Ont., finds it to his advantage to boil his sap at or near the barne rather than in the bush. He has hold this near rend and rannial sugar house to the rear of his barn, and hault the sap to this place for "boiling in." It permits him to attend to chores, and in the case of has boil-ing, to be more comfortably near the house and sapper than were the boilbus. —Photo by an Editor of Farm and Dairy.

The grade bull has this power of impressing himself upon his offspring as well as the pure bred. As we have no certainty what his ancestors were, what certainty have we as to what his offspring will be?

On the other hand, take a pure bred bull whose dam has a big record to her credit and whose sire's dam has also a big record, and the granddams on both sides likewise, what must the off421

spring of this sire be? If they inherit the characteristics of the sire's dam or of the sire's sire they cannot be a failure, as both sides have proven their usefulness. Hence the secret of the success of those using a pure bred sire with known recorde

### Three Important "Dont's" in Breeding\* Dr. H. G. Reed, Halton Co., Ont.

The advice that I would give to any young man who wants to breed good horses, the kind that the young farmer will be proud to own and ride behind is summed up in three dont's: Don't

mare and don't breed from a cross bred or grade stallion.

special purpose horse. The general purpose animal is always a comparatively cheap

horse. Take the marmix the breed, don't breed from a very inferior ket quotations in Toronto. General purpose horses can be had for \$150, good ones, while for a good draughter you will pay \$250 to \$110.

When our young breeder has selected a good stallion of a special purpose breed he should not imagine that the mare doesn't count. Never breed from a very inferior mare. It has just one-half of the influence in determining what your colt will be.

The man who is anxious to breed good stuff will never use a grade stallion. We have all ceen grade stallions that were hard to fault as individuals. .We also have seen many of our farmers use those stallions, believing them to be as good as the higher-priced pure bred horse. But did you ever see one of those stallions make good stock horses? I never did.

It is here that the law of reversion plays a part. The colts are continually harking back to the defects in the ancestors of that grade stallion. It is here that we have the strong point of the well bred, pure bred. There is nothing bad in his ancestry, and his colts stand a good chance to be uniformly good.

The young breeder who will take these three dont's to heart is making a good foundation on which to base his breeding operations.

### **Jottings from Farmers**

Did we realize sufficiently that both cows and horses are nervous animals and that we rust control ourselves in dealing with them, we would loose our temper less frequently. An irritable man always breeds irritable stock .--- C. N. Elmer, Waterloo Co., Ont.

We also breed to have our stock as beautiful as possible, but do not let beauty come before deep milking qualities, as is so often done. Milking qualities are more profitable than beauty; especially to the farmer who has to pay his way through his cows .- A. S. Turner and Sons, Wentworth Co., Ont.

Sheep do well on the same foods as are fed to cattle, but they like a variety of diet and it pays well to go to some trouble to give it to them, not only in winter, but during the pasturing season when two small fields will usually give much better results than one large one .-- J. B. Spencer, B.S.A., Ottawa, Ont.

\*Synopsis of an address given by Dr. Reed on the O. P. R. Special Train.

The cross bred animal is usually a general purpose horse. I have nothing to say against the dual purpose horse in its place, but the better class horse is the



vicinity.

good seed.

grow



cal order. This bulletin will be ery interesting and useful to those in-terested in the identification and on-

trol of weeds and the means to a opt

Alfalfa for New Ontario

Will alfalfa, grow in the vicinity of Port Arthur on heavy, yellow loam and on a field following two crops of pol-toes that have been well manured? How much seed schould I sow an acre? Where can I get it?-A. P., Rainy River Dat. Out

essfully by a few farmers in your dis

trict of Ontario, but it has not as yet

been extensively tried. If the pota-toes were well manured and kept free

from weeds for the two years, the land should be in excellent condition for the alfalfa. You would do well to

We would advise you to cultivate

Editor, Farm and Dairy,-Several cases of low grade nitrate fertilizer

have in the past appeared on the mar-ket, and I am writing you to suggest

that you advise correspondents to purchase nitrate from trustworthy

dealers only. One adulterant is com-mon salt, and sometimes salt cake has been used. Both are worthless as fer-

tilizers and contain no plant food. It

is preferable to purchase nitrate in original bags, which now contain

contain about 200 pounds. So far as the Chilian producers of nitrate are con-cerned, however, the greatest care is

taken, and samples are drawn by in-spectors from all cargoes before they leave the ports of Chili, and heavy fines would be imposed upon any pro-

ducers who attempted to export low-

Salt cake residue made as a by-pro

duct in the manufacture of nitric acid

has also been used to adulterate nitrate, and in certain cases has been

sold as inter-cake. This name tends to give it a false value. It is also worthless as plant food. On our part,

we have done all that is possible to maintain a high standard, and that our policy will be the same in the

future you may be fully assured, and

I hope that you may be fully assured, and I hope that you will be able to co-operate with us in helping to prevent sales of low-grade nitrate.---William S. Myers, New York, U.S. A.

grade nitrate.

Alfalfa has been grown very

to prevent their introduction to prevent their introduction and spread through commercial seeds It is known as bulletin No. S-6, and may be had free on application to the Publications Branch, Department of

Agriculture, Ottawa.



\*\*\*\*\*\*\*\*\*\*\*\*\*\* The Feeders'

The Feeders' Corner use of our subscriber terested are invited to tions, or send items All questions will rece

### Sweet Clover as

I. K. Shaw, Welland We see sweet clover round us under the most If we can m of that clover for feed tock it would certainly in many sections where t nd sweet clover grows any other leguminous cr I have had no person with feeding sweet clove wother legumes grow



Members of one

The Farmers' Club m under the supervision of wood Farmers' Club in La ganized by S. E. Todd, F

I have just been reading issued by the United St ment of Agriculture, and states of the in several c'over is fed regularly, stock become used to it th





Farmer'sCement Tile Mach WALKERVILLE, O

### Have City Conveniences

REPLACE the postilent, draugh of dons closet with an in ors closet which requires no wer, no plumbing, and no flush system. Have city conveni ors in your home. Safeguard ing sy

### "Tweed" Cl é Sanitary and Odd

room, coller, or any other control of a state of the control of th eed "Closets can be instal

STEEL	TROUCH	AND	MACHINE
Dept.			TW

Owners of the highest priced dairy cows in America use the Sharples Mechanical Milker. One of the world's highest priced dairy cows, Imported Billy's Lady Frances Another, the 70 Dairy Cows on the famous "White Horse Farm" at Paoli, Pa., none of which is valued at less than \$1,000. Read this letter: portaiderable use of your Mechanical Miller, will say it is a decided success, anying i could hapity get along without it, so satisfactory has it proved to be a full view. It is anying by constant of the dargering in the source and the set of the set. It is any set of the dargering in the source and the set of the set bills. W. W. its ALA BROOLA, May White like Parameters. I fee THE SHARPLES MECHANICAL MILKER Send this coupon for free catalog. We will give you as the time for trial. If the Sharples Milke make good, if it don't more than satisfy you, the bo no sale. Guaranteed by The Sharples Sep on pany, which has been making high-class nery for 31 year. Write today for free catalog N THE SHARPLES SEPARATOR CO. WEST CHESTER, PA. Chicago, III.: San Francisco, Cal.: Portland, Ore.; Dallas, Tex.; Toronto, Can.; Winnipeg, Can. 2.0. S. C. Farm Improvement Watch for our big Special on this subject MAY and IS THE DATE. It'll be of great hours of the second sec ens Double Harpoon For HERE'S the best Harpeon Fark made, stimple, we were a support of the state of the state poor fork to the marks: The mande entirely of the best steel and these are should and close up to the earlier. We have the state of the st

LOUDEN'S DOUBLE HARPOON FORK

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### AND JUNIOR HAY CARRIER AND JUNION HAY CARKLER ake a baying equipment that can't be best forspeed and se-does the work of 4 to 5 men and gets the bay is quick. We also make Louden's Farmois Baisace Grapple Fork, the best in the world for Clover, Alinalia, Wheat, Straw dothershort stuff; also Hay Slings, Slackers, Hoists, etc. Write for our catalogs of modern barn equipment. LOUDEN MACHINERY CO. DEPT 102 GUELPH, ONTARIO, Lifts Half



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Audels Answers on Refrigration are in every way up-to-date, both contents and the manufacture being generously good. In two volumes contain We pages, strongly and handsomely ure 55,28% inches and the two weigh and titles. They mea-sure 54,28% inches and the two weigh and titles. They are stated to any address. So certain are we that this work will please you, that we will send it subject to examina-tion. We take all risk in pleasing you.

FARM AND DAIRY - Peterboro, Ont., Can.

Occupa	tion														
Resider	108					.,									1
Where	Employ	ed.		• •				•		.,	.,				

### **Dairy Notes**

High fat production is not a matter of breed but of strain. Clean milk is a case of keeping the

dirt out, not straining it out.

Good results from the dairy herd and an ill-tempered herdsman seldomen go together.

Breeding for milk production or beef production is epitomized in the word

Warm, comfortable stables are .... sential and a good investment in our cold Canadian climate.

Scalding water should always be used in cleansing dairy vessels, but only after the milk has been washed off with cool or luke warm water.

Date ....

### We would advise you to cultivate the land up to the first of July and then sow 20 lbs. of good seed an acre without a nurse crop. As alfalfa has The corn that got the fertilizer corn. The corn that got the lettines and the corn that got none was all the same. Ten acres of the land got a good dressing of farm manure. On not been previously grown on your farm it would be well to inoculate the a good dressing of farm manure. On this land the effect of the fertilizer arth it would be well to incentate the seed with the preparation that can be secured for 25 cents from the On-tario Agricultural College, Guelph All of the leading seed houses ad-vertising in Farm and Dairy handle this land the effect of the fertilizer was never seen. I might as well have applied sand. The other three acress of land were poor. The fertilizer did not help the corn any, but next year the oats showed the good effects, and for two years after the have grop also showed the effects of the application of factilizer. alfalfa seed. Warning re Fertilizers

FARM MANAGEMENT

Ont

the alfalfa try it at least

of fertilizer In my estimation any man that cannot keep his land in good condi-tion and fit to grow any crop he chooses without fertilizer or anything else but the manure made at his barn, had better hire out with the fellow who has trains.-E. R. Candie, who has brains Lanark Co., Ont.

S LURM MULLARINELS

Notes on Seed Selection

Good seed is assential to the best yields of all farm crops. Obtain the bast seed from crop grown on your own farm or in the

Select seed from small grains on the basis of size and weight. A good fanning mill properly used

is the most practical way to select

Tests and experience have proven that heavy, plump seed will increase and improve crop yields.

Treat seed to prevent plant diseas

prevent planting seed that will not

Anent Commercial Fertilizers

gave a fertilizer man \$50 one spring. I applied the fertilizer on 13 acres of

Editor, Farm and Dairy .-- I have followed with interest the discussion in Farm and Dairy on fertilizers. I

Make a germination test of seed to

### **Bulletin** of Weeds

A bulletin has been issued by the Seed Branch of the Department of Agriculture, Ottawa, giving a full reprint of the Seed Control Act, 1911, which is the law governing the sale of seeds in Canada. The second part of the bulletin deals with seed testing work, and the application of the law through seed inspection. Seed laboratories are maintained in Ottawa and Calgary for the use of seedsmen and farmers, where samples are test ed free of charge.

The largest part of the bulletin and perhaps that of most interest to farm-ers deals with weeds and seeds. About 90 different species are illustrated and described, and with the use of the bulletin the identification of both the growing plants and the seeds should be comparatively easy. The weeds considered noxious under the Seed

Please ship me, express prepaid sub-lect to my examination and approval. "Audeis Anwers on Refrigeration" (Price \$4.00). If 1 find them as repre-sented I will remit four dollars, otherwise I agree to return them at your expanse.

### FARM AND DAIRY

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### The Feeders' Corner The Feeders' Corner is for the nee of our subscribers. Any in-terested are invited to ask quee-tions, or eend items of intcrest. All questions will receive prompt 688888

Sweet Clover as a Feed

I. K. Shaw, Welland Co., Ont.

We see sweet clover growing all ound us under the most unfavorable If we can make good use

can well believe this. as when I first started to feed alfalfa some of my cows would not look at it, but once cows would not look at it, out once their first dislike was over they went for it eagerly. I have also been told that grass-fed steers from the West will not at first touch corn, which is one of the most palatable of foods.

An analysis of the digestive nu-trients in sweet clover as compared with other forage crops would indicate that it has great feeding value. For instance, it contains 9.9 per cent of digestible protein as compared with ombitions. If we can make good use of that clover for feeding to farm 68 per cent in red clover and 11 per tack it would certainly be a bonaras in many sections where the soil is poor and sevet clover grows better than ar other leguminous crop. I have had no personal experimed. I have had no personal experiment if feeding sweet clover as with us go after legumes grow luxuriantly.



of practical terms hat may point the a dollar. We st and most mod-r and this book is

Valuable Book

on Barn

Building

E

FRE





The Parmers' Club movement has made great headway in Ontario, chiefly under the supervision of the District Representatives. The members of the in-wood Farmers' Club in Lambton Co., Ont., may be here seen. This club was or-ganized by S. E. Todd, B.S.A.

issued by the United States Depart-ment of Agriculture, and I find that n several states of the Union, sweet cover is fed regularly, and once the dock become used to it they like it. I

have just been reading a bulletin | ported in this bulletin, a ration of sweet clover hay, corn and oil meal sweet clover hay, corn and oil meal produced an average gain per head in 14 days of 30.7 lbs., and when alfalfa hay was substituted for the aweet clover the gain only increased about four pounds. When native grass hay was fed the total gain in weight was only 30.3 lbs.

Make Your Own Tile Cost \$4.00 to \$6.00 per 1.000 Hand or Power

MORE EXPERIMENTAL EVIDENCE The only other actual experiment that I know of in determining the feeding value of sweet clover was one that was conducted at Iowa, where hogs were grazed on clover, and the gain for the entire lot of hogs on one acre of sweet clover was 2,594 pounds, and on red clover 2,394 pounds. About

equal amounts of grain were fed in both cases. Hundreds of fat cattle are fed annually in Utah exclusively on sweet clover hay. At our own experiment station at Guelph they have cut over 30 tons of green fodder an acre from sweet clover

Query re Calf Management

Should the calf be allowed to suck the Should the call be allowed to suck the cow? We have had an argument about this matter. I claim that the calf should suck the cow for the first week, as it saves the bother of milking the cow and feeding the calf, and keeps the cow and rectang the car, and weeps the oow and calf from worrying, and makes the cow's teats longer. A friend of mine takes the calf away one-hour hour after it arrives. Which would you prefer?-N. B. P., Brant Co., Ont.

order ordinary circumstances we greatly prefer to remove the calf at once. There is then less worrying on the part of both cow and calf, and one has the opportunity to make the most of the milk from the cow, for other calues on nime

It is little short of cruelty to allow a calf with its dam should the udder be Ladly swollen, since the bunting of the calf will cause the cow untold suffering.

A great many people prefer to al-low the calf to suck, but where this practice is followed alp-shod methods more or less frequently prevail, and the management gots farther and farther remote from the business it should be. should be.

Grain Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Etc COOLD, SHAPLEY & MUIR CO., LTD. Brantford Winniped Caldar nt a litter earrier ? Will you w MONEY can be made easily by showing Parm and Dairy to your friends and got-ting them to subscribe. BEATTY BROS. BOX C FERGUS, ONTARIO Your Kitchen Walls

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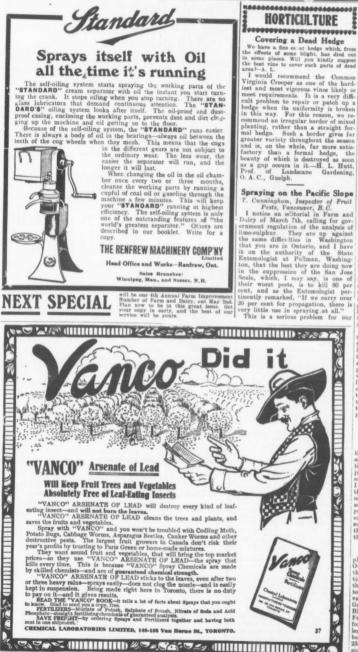
STEEL TROUCH AND MACHINE CO., LIMITED Dept. 101 TWEED, Ont.



Under ordinary circumstances

424

### FARM AND DAIRY



Heading Back Young Trees Landscape Gardening. Finding several growers with the ppinion that young trees should not be meaded back the first year, or not at Spraying on the Pacific Slope all, which in the majority of cases, is T. Cunningham, Inspector of Fruit Pests, Vancouver, B.C. I notice an editorial in Farm and Dairy of March 7th, calling for gov-ernment regulation of the analysis of ime-sulphur. They are up against the same difficulties in Washington the same difficulties in washington that you are in Ontario, and I have it on the authority of the State Entanglogist at Pullman, Washing-

that you are in Ontario, and I have it on the authority of the State Entomologist at Pullman, Washing-ton, that the best they are doing now in the suppression of the San Jese Scale, which, I may asy, is one of their worst pests, is to kill 80 per cent, and as the Entomologist per-timently remarked, "If we carry over 0 executed of the same state of the same state of the same timently remarked, where a same state of the same of the same state of the same state of the same state of the same of the same state of the same state of the same state of the same of the same state of the sa 20 per cent for propagation, there is very little use in spraying at all." This is a serious problem for our

a great mistake, I am giving you the a great mission, I am extended which we carried out in Ontario County last season. Probably about 200 tree season. Fromany about 200 trees were cut back at time of planting Later in the season the unpruned por-tion suffered so greatly that we were compelled to prune some of them in order to save the trees, as so many died back further than they should

have been cut. This season, the foliage of the trees, which were cut back at the time of planting, is in the very best condi



favor of a more general use of phate of copper as a fungicid

think too much reliance has placed upon the lime-sulphur

spraving mixture.

would like to be able to accomplish all that is necessary with one general

R. R. Waddle, Ontario Co., Ont.

April 18, 1912. neighbors in Washington, bui I an thankful to state that there is not known to exist in the entire Promotion of British Columbia a single influence of the San Jose Scale. The same is practically true of the Codlin, Moth We are not however, with each We are not, however, with share of troubles. Fungoid it one Fungoid seems to be our most serious tion. I telieve we will have back to the Bordeaux Mixture growers are doing in Washington The entiment of the most up-to-discultural authorities there

hor.

has

Right ! grow faste why the corn



Mistakes in Pont

"The common idea said a success house. to an editor of Farn cently, "is not the r dandy fine house whe dandy fine house which air spaces in the way windows in the front nowhere. I had thi self, but it did not walls were either this dripping with water with roup or colds a were almost a curiosi were almost a curiosi "We have since fou

cheapest house is in t get into a house the latest house we have 20 feet with an 'A' The front of the hou feet to the eaves, is lot This seems radical in of Ontario County, b just the same. There spaces in the walls of wal's are all single-ply ed with a good grade

"How do you like house?" we asked.

pe

Once when

year part of the orchard was spray-ed with the dilute commercial lime sulphur, one to thirty-three with three pounds of arsenate of lead to

. . For the past two years I have been planting heavily of early varieties. Owing to the poor market facilities in the carly days ware facilities in

Whig to the poor market raciities in the early days, very few early varie-ties were planted, and the few trea-that were planted have been gratical to winter varieties. The best early varieties for this district are Duches, Gravenetic the standard of the standard of the standard for a standard of the standard of the standard of the standard for a standard of the standard of the

Gravenstein, Alexander, Wealthy, Blenheim, McIntosh Red and Snow of Fameuse. The market is ipproving

for early apples, and their growth lengthens the season greatly as we can

begin picking the Duchess by August 23rd and continue picking a succes-sion of varieties right through until

the winter apples are finished.

the barrel of the mixture.

### FOR SALE AND WANT TWO CENTS A WORD, CA

EGGS FOR SETTING fro Island Reds. Splendid \$1.00.-Fred Holmes, Box 8

BARRED ROCKS, bred to \$1.00 per 15-J. P. Halis

ORPINGTONS, Black, B ver, White Wyandottes, Black Minoreas, Hami eggs.-Harry Lush, Pet

EGGS FOR SETTING-W White Leghorns. Headed by prize winne Northcott, Clarum Bra

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### FARM AND DAIRY



### Right Next to Nature the Best Place for Chicks

Chickens grow faster and are healthler on cultivated land than on land in eod. That is why the count field or the cultivated orchard is the best place for chicks find illustration is from a photo taken on the College Parm at Guelph.

### DAIL TRY YARD POULTRY YARD

### Mistakes in Poultry Housing

"The common idea of a fine poultry house," said a successful poultry man to an editor of Farm and Dairy re-cently, "is not the right idea. Too many of us think that we have a dandy fine house when we have dead dandy one house when we have deau air spaces in the walls and double windows in the front and air spaces nowhere. I had this idea once my-self, but it did not work out. The walls were either thick with frost or dripping with water from spring to fall, the birds were constantly down with roup or colds and winter eggs

were almost a curiosity. "We have since found out that the cheapest house is in the long run the best house, and that the more air we get into a house the better. The ges into a noise the octer. The latest house we have put up is 20 by 30 feet with an 'A' shaped roof. The front of the house, about three The front of the house, about three fact to the eaves, is loft entirely open. This seems radical in the cold limate of Ontario County, but the ma lay just he same. There are no lead air spaces in the walls of this bouse. The walls are all single-ply under, cover-ed with a good grade coofing pa-cer."

"How do you like long poultry house?" we asked.

### FOR SALE AND WANT ADVERTISING TWO CENTS A WORD, CASH WITH ORDER

EGGS FOR SETTING from winning Rhode Island Reds. Splendid layers. \$1.50 and 3.00...Fred Holmes, Box 835, Peterboro, Ont

BARRED ROCKS, bred to lay strain. Eggs, \$1.00 per 15-J. P. Halis, Guelph, Ontario ORPINGTONS, Black, Ruff. Golden, Sil-ver, White Wyandottes. Dark Brahmas, Black Minorcas, Hamburgs, stock and eggs.-Harry Lush, Peterboro, Ont.

EGGS FOR SETTING-White Orpingtons, R.C. White Leghorns, Barred Booka, Headed by prize winners. Write Geo J, Northcott, Clarum Brae, Solina, Ont.

FOR SALE--Iron pipe, Pulleys, Belting, Baile, Ohain Wire Fencing, Iron Posts, etc., all sizes, very cheap. Send for list, stating what you want. The Imperial Waste and Metal Co., Dept. F.D., Queen street, Mourteal.

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2 & RN Ship your New Laid Eggs and Fresh Dairy Butter to us. PROMPT RETURNS

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"Well," was the reply. "The long poultry house, with several compart-ments, has its advantage in that it is menta, has its advantage in that it is easy to get around and feed the birds. It has its disadvantages, and with the hopper system of feeding, which we practice, and 1 hor reduced to a minimum, we prefer the individual houses. In the long house drafts are minimum, we prefer the individual houses. In the long house drafts are apt to develop, which makes it very unhealthy for the birds. This applies to any house more than 50 feet long. And then we do not consider it heal-thy to have several hundred birds as close together as they are in the long house

house. "Another point that is would like to one "Another point that I would like to mention is the importance of having the inside fattures of the poultry house so placed that they can be easily cleaned. Dirt and vermin are two of the greatest enemies of profit-able poultry keeping, and they cer-tainly thrive where the old fashioned covered-in nests are in youre. We prefer nest loxes that can be torm to pieces and their parts thoroughly cleaned."

### **Poultry Pointers**

### Keep the houses clean, the yards wept or sown in rye.

Catering to the appetite of the bird often increases the egg yield.

Regularity and liberality are nec-essary to secure the most profitable growth.

The eggs should be gathered often during warm weather. They should be sorted in color and shape before going to market, too.

A hen that goes around with her mouth open is not a comfortable hen; she is too warm. Provide her with a place to sit down and cool off.

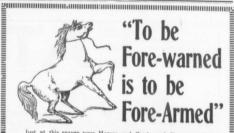
If a gradual growth is made, the start being limited, all the details watched and the lesson studied well, start the business is surely started on a firm foundation. Anything else makes a

Makes us laugh when the old rooster finds a worm and cackles over it till he gets all the hens in the yard around him and then just gebbles the worm up himself; but isn't that about what lots of folks do?

Green cut bone has a high nutritive ratue and it is also one of the cheap-est feeds there is. It pays to use this when the weather keeps the fowls from roaming over the fields where they naturally find their supply of this kind of food.

this kind of food. Exercise is of supreme importance all through the winter. Unless this is enforced the hens will become fat and they will not lay as they should. Scatter the feed in the litter and make them hunt for it. They will be healthier, more profitable and they will enjoy life better.

Don't ever keep the weakly chick for either a winter layer, or to place in the breeding pen. They will lay few, if any more eggs than will pay their board bill, will six times out of 10 hatch a weak chick, and they are always crabbing at changes to the always grabbing at chances to take cold, croup or to go under from the least offness in their feed. In short, they are weaklings from start to finish



425

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### FARM AND DAIRY

ATC

April 18, 1912.

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### SWINE DI Our readers questions in re

will be answe ment. You are helpful suggest periences throu

### How a Farr

"Farmers who Farmers' Institu ing they know a can tell them, o they realize." rer Honey, of Brickle of Farm and Da time ago a strik fact came to my a farmer whom I being present at ing that afterno tute speaker was of hogs. He tolo



Making Good Us

"Every bit added makes just a little tle bit that we can turning the skim.mi will add to the retu er and his satisfacti

to about the care of er at the Institute practical address of and devoted attenthe sow at farrow

"Some days after farmer to whom I ed me to come over by as a fine's sow he farrowed appeared had seen this sow a sylendid animal, ried over as soon I got there I found a fine large litter. had been feeding that they had give shortly after she fa "As soon as I he:

much there was a form to the here as I is could save the sor, however, I went on got there just in ti die I explained te the feed that he ho was what had kille rather fat, and the on the fover which death. I also told H only attended that I meeting, which he h feeding of hogs, he feeding of hogs, and therefor sored his sow."

### Warnings to Sw Prof. W. J. Kenned Iowe

Breeders of hogs w more attention to the the business and muend as illustrated by craze, shape of head, face, etc. The one s in the hog business is quality and prolificac early maturity. Suc described as the kin



worth knowing about, because it's so helpful, and this New Catalogue presents our wares at their best. It's a specially prepared book containing carefully selected goods that are in season and that appeal quickly to one's sense of good judgment and thrift. In many instances you'll find actual color reproductions of the goods, beautifully illustrated, adding a wonderfully realistic touch to the merchandise we offer. By all means see that this Catalogue gets a chance to demonstrate its great helpfulness. Send a trial order and judge for yourself how well we can serve you and how that if you are not absolutely satisfied you have this guarantee

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# \*

### How a Farmer lost a Sow

"Farmers who remain away from Farmers' Institute meetings, think-ing they know all that the speakers can tell them, often lose more than they realize," remarked WR, Bichard Housy, of Brickley, Ont., to an editor of Farm and Dairy recently, "Some time ago a striking evidence of this fact came to my attention. I asked a farmer whom I knew if he intended being meesure at the Institute being present at the Institute meet-ing that afternoon when the Institute speaker was to speak on the care of hogs. He told me he would not be present as he knew all he wanted



Making Good Use of a By-Product

"Every bit added to what you have makes just a little bit more." Every lit-tle bit that we can add to our income by urning the skim-milk or whey into pork will add to the returns of the dairy farmer and his satisfaction in his

to about the care of hogs. The speaker at the Institute meeting gave a practical address on the care of hogs. and devoted attention to the care of sow at farrowing time. the

"Some days after the meeting the farmer to whom I have referred asklarmer to whom I have referred ask-ed me to come over to his place quick-ly as a fine'sow he had that had just farrowed appeared to be dying. I had seen this sow and knew her to be a cylendid animal, and therefore hur-ried over as soon as I could. When I got there I found that she had had a fine haven juiter. Lasked whet these a fine large litter. I asked what they had been feeding her, and was told that they had given her a gallon of pea chop and whey a couple of times shortly after she farrowed.

'As soon as I heard that I told the man there was no use of me going out to the barn as I knew that nothing could save the sow. As I was there, however, I went out to the barn and however, i wont out to the bar and got there just in time to see the sow die. I explained to this farmer that the feed that he had given this sow was what had killed her, as she was rather fat, and the feed had brought on the fever which had caused her death. I also told him that if he had only attended that Farmers' Institute meeting, which he had refused to attend because he knew all about the feeding of hogs, he would have been given instruction on the right feeding of hogs, and therefore he might have saved his sow."

### Warnings to Swine Breeders Prof. W. J. Kennedy, University of

Iowa Breeders of hogs will do well to pay more attention to the utility end of the business and much less to the fad the ousiness and much less to the fad end as illustrated by the pedigree crare, shape of head, ear, nose, dish of face, etc. The one great need to-dav in the hog business is a hog with size, quality and prolificacy, combined with early maturity. Such a hog is best described as the kind that never lies

### FARM AND DAIRY

SWINE DEPARTMENT Our readers are lavited to ark the search to ever the sessor is a round this year the search to ever the sessor is a round this year comes back next year. Some such how may be the search of the search known breeds. With careful selection perfere user through these columns. to the assessor, that is, he is born af- Letter Heads Good Advertisins and judicious mating it is surprising how rapidly this type can be revived.

In addition to the evil results of In addition to the evil results of "faddism," the exclusive use of corn diet and the policy of breeding from immature sires and dams, have been detrimental both from the point of size and prolificacy. the stand-It is point of size and prolificacy. It is safe to say that over 75 per cent, of all the sires and dams used in our state of lowa are under one year of age. It has been clearly proven by experimental work that pigs from young sows are inferior in every way to those 6c young sows are interior in every way to those from mature sows. The con-tinued use of young sires and dams, especially when associated with corn feeding, will cause marked deteriora-tion in any breed of swine.

In selecting breeding swine atten-In selecting breeding swine atten-tion must be given to size, quality, strength of bone, evenness of flesh-ing and the use of more mature boars and sows. All pigs intended for breeding purposes should be well se-lected from well developed mature sows. If the sires are mature animals so much the better. These pigs should be fed on rations calculated to the fed on rations calculated to the system of the system of fat alone. Home and muscle, not fat alone, wante weat weather the system thanging breeds.

Butter fat is too valuable a product to feed to the calves or the pigs. Use a good standard make of separator, and get practically all the butter fat.

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Letter Heads Good Advertisins Printed letterheads and envelopes are traveling advection, When a letter comes, it makes are interpret picture comes, it makes are interpret letter comes, it makes are and it is Lusiness of the hest kind. We farmers need such printed let-terheads. There should be something for sale on every farm. and the letter-head can be made to advertise it very cheaply. It will also be found that the printed letterhead will have quite an influence on the person himself. The more he asses it the more pride will be taken in keeping up the quality of be taken in keeping up the quality of the articles for sale.

the articles for sale. It is not accident that business men-in all lines use the printed letter-head. They have found that it is a good business proposition. These farmers who have tried it have found it both profitable and a source of wide. The sect will not be any much it both profitable and a source of pride. The cost will not be so much more than for plain paper. It may seem a little large, but then one wants to remember that he is getting a good many sheets and envelopes at one time.

If you are inclined to see faults in others, take a good look at yourself.

20,000 CLAY GATES 20,000 CLAY GATES Weiß ein dar von auf der State auf der State Farm Gates will not benär dar State Farm Gates will not benär over mow back breckely stoch: awing over mow bra simple adjustment. Glay Gates are provide to state and states are riety of styles and sizes. Kei provide fully guaranteed against defects in material or workmanship. Send for priceing.



### FARM AND DAIRY



Farming

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It's no longer a "hit-or-miss" occupation, where "any old way" is good enough. Farmers are buying pianos and automobiles as never before. They're *living* as well as *working*.

The farmer has learned that it *pays* to employ progressive methods. That's why he is ever ready to receive helpful suggestions for improving his crops, his land and his home. It's also the reason that more than fifty thousand Canadian farmers are enthusiastic about our handsome book,

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purpose behind it, which is to help the farmer take advantage of concrete's possibilities. The list of subjects covers every conceivable use for concrete on the farm. The book's actual value to you will far exceed the list price of fifty cents, but if you will send us your name and address at once we'll be glad to

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April 18, 1912

Who P The

Why pay fanoy meals of forei when you can bu 30 dollars a ton cure at least equ cusce superior, re

> CALI "The Stockm

Has been most mented with at M tural College, wh excellent results. on some of the equipped dairy fr minion.

Ask your dealer of CALFINE as soon be back for dealer does not ba We will do the re Feeding direction

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A COWPEA Threshes Canada Field I Beans from the mown vi per cent. Also thre-hes machine I have been le Prof. W. F. Massay. "A erery demand." – Prof. H periment Station. Noth

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Roller. It is e "Bissell" Rol ported by 6 IMPLEMEN on the mari centre bearin the "Bissell" axle turns wi April 18, 1912.

Who Pays

### FARM AND DAIRY

### DRUMMOND'S New Catalog The Duty? Why pay fancy prices for calf meals of foreign manufactures when you can huy CALFINE is to 0 dollars a ton cheaper and so-cure at least equal, and in mwt cases superfor; resulta? 52 pages full of pictures, particulars and prices of everything for the dairy-inritculars and prices rything for the dairy—in-ding Aerators and Coolers, rillac Sanitary Pails, Cow ting Apparatus, Milk Boung the last Testing Apparatus, Mil Scales, Babcock Testers, Surgical Instruments, Sanitary Milking Stools, Hand Separators, Farm Creamery Out-fits, Churns, Butter CALFINE This means over nine gallons of Partie Dates This means over mine gauons or milk a day, or enough to supply 36 families each with a quart of milk daily. If made into butter, her fat pro-duction would equal 1322, 925 pounds of butter, or over 3½ pounds a day for "The Stockman's Friend" ins been most carefully experi-mented with at Maddonald Agricul-tural College, where it has given excellent results. It is now in use on some of the largest and best on some dairy farms in the Do-Workers, etc Feed and Litter Carriers. 365 days. This is all the more remarkable be-105 cause it was made without her being dry at all before freshening. No other B minion. Ask your dealer for a 100lb. bag of CALFINE as a trial-you will soon be back for more. If your dealer dees not handle it, write us. We will do the rest. cow in the world has even produced such an enormous amount of butter fat in a yearly test and only one other has ever exceeded Banostine's milk Feeding directions sent on applirecord. The official records of Banostine elle De Kol are as follows: Belle CANADIAN CEREAL AND Length **Promptly Sent** Butter fat Butter fat MILLING CO., LIMITED of record Milk FREE to any address. Write a postal Days Lbs. Per cent 3.67 TORONTO, CANADA 672.5 2828.0 94 697 3.50 98.987 COWPEA THRESHER 60 3.53 194.053

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72 VICTORIA ST., TORONTO No 895 Tyte

New Queen of the Dairy World Editor, Farm and Dairy —With a record of 1058.34 pounds of butter-fat produced in 365 days, Barold Bolatine Belle De Kol, a five year-old Holatine Fries-ian cow owned by Dan Dimick & Bro., East Claridon, Ohio, becomes the new "Queen of the Dairy World." This wonderful cow produced during the year 37,404.4 pounds of milk testing 3.86 per cent fat.

5505.0 7856.8 3 61 983 543 492.7 4.31 \*21.195 27404.4 385 3.86 1058.34

\*This 7-day record was made 8 months after freshening.

Banostine Belle De Kol was bred, reared and developed by Dimmick & Bro., at the Maplecrest Farm. She is a strong, vigorous cow of wonderful capacity and will weigh in the neigh-borhood of 1600 pounds. She is the greatest foundation cows the breed has ever produced, and who was brought to Geauga county about 30 years ago. The sire of Banostine De brought to Geauga county about 30 years ago. The sire of Banostine De Kol is Friend Hengerveld De Kol But-ter Boy, all of whose A. R.O. daugh-ters have records of 29 pounds or more. Friend Hengerveld De Kol Butter Boy is a son of De Kol<sup>\*</sup> 2nd's Butter Boy ard, and is showing him-self to be the greatest son of that yreat size great sire. These tests were made under the

careful supervision of the Dairy De-partment of the Ohio State University. partment of the Ohio State University. The cows were jested by nine differ-ent persons and were watched at times day and night, so that the re-cords are fully verified.—Prof. Oscar Erf, College of Agriculture, Ohio State University.

### To Encourage ScientificFarming

The Dominion Conservation Commission will this summer cooperate with the Federal and Provincial Agricultural Departments in assisting in the spread of information to en-courage scientific farming. One new departure will be the publication by the Commission of illustrated reports describing improved farming conditions on selected farms in each pro-

vince. Illustration farms in several locali-ties in each province will be used as types of what can be accomplished through scientific farming.



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These are some of the reasons: Empire Separators skim to a

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They are easy to clean. They don't spatter oil. And they have anti-splash steel supply tanks.

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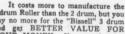
art costs more to manufacture the 3 drum Roller than the 2 drum, but you pay no more for the "Bissell" 3 drum and get BETTER VALUE FOR YOUR MONEY. You get heavier weight in the "Bissell" drums too.

The good points cannot all be told here. Ask your dealer about the "Bissell" Roller and do not be put off

with a Roller unless the name "Bissell" is plainly stencilled thereon.

Grass Seed-





(13)

With this catalog to guide y

you can buy wisely and well-and always be sure of perfect satisfac-

tion. Write for a copy at once,

and

429

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### PETFERORO, ONT.

### DANGER OF OVERPRODUCTION

The number of dairy cows in Canada has increased thirty-three per cent. in ten years. The average production of our milch cows has improved also. Many of our dairymen are now asking themselves, "Is there danger of overproduction?" Farm and Dairy believes that the overproduction bogey is usually a false cry. A same review of the conditions should dispel all doubts as to their being a market for all the dairy produce that we can produce. The demands of both our foreign and home markets are increasing faster than is our supply.

The outlook for our foreign trade is hopeful. The United Kingdom continues to absorb an increasing quantity of dairy produce. Germany with its millions of people is growing industriously and becoming every year a larger buyer of these articles of food from outside countries. sources of supply for these older countries, Australia, New Zealand, and possibly Siberia are the only countries that are likely to increase their export to any extent, and there is no reason to believe that the supplies coming from these countries will increase faster than will the demand for dairy produce on the foreign market

\*\* \* \*

The feature of the trade that should give us dairy farmers most encouragement in increasing our output of dairy produce is the rapid growth of the home market. Canadian cities are now taking a large percentage of the butter and cheese we manufacture. The most outstanding feature of our home trade, however, is the ever increasing demand for milk for con sumption in cities. This demand has taken away a large amount of the milk that would otherwise be manufactured into butter or cheese, and has resulted in higher prices for the manufactured goods.

Statistics warrant the statement also that consumption of dairy produce per capita is increasing in all countries. People are beginning to harn the good value of a dollar invested in dairy produce. There is no danger of overproduction confronting u. dairymen.

### A GOOD THING TO HAVE

Why is it that some farmers seem to find more hours in a day than others? They do not start to work earlier in the morning, nor do they finish later at night; but they get more done in their ten or twelve hours than the rest of us do in a longer day. Every minute seems to count for something with these farmers.

It is just a case of system in work. System has been defined as the "essential factor of successful business,' the "keynote of modern industry" and so forth; but to bring it down to a fine thing it is just a case of using one's head to save one's feet.

There is no business that calls for a greater attention to details than farming. The number of small things that we farmers have to think of if we are to make a success of our business is tremendous. We have greater need of system in our work than have most business men. Too many of us are trying to run large farms without a semblance of systematic management.

We are acquainted with an old farmer who runs a large farm by hired labor, has several branches of live stock to look after, and everything goes like clock work. In explaining his success to us this farmer attributed it to his knowing every day and generally two or three days in advance just what work was going to be done on a certain date and on just what hour of every day the small "chores" were to be done. Systematic management of this kind can be made to save many hours of labor and enable us to do much more work in a given time. We farmers of all men need system in our business. It dreamed. will cost us nothing but a little men-In tal effort to make our management

## systematic.

### SILAGE AND MILK TAINTS

Those who oppose ensilage as a desirable feed for milch cows are not now taken seriously by progressive make the best of our opportunities on dairymen. It has been proved in the experience of our best farmers that silage is both desirable and economical for milk production. The one argument on which the opponents of the silage now fall back is that silage milk is inferior milk. They tell us that in those stables where the best of milk for the city trade is produced silage is debarred.

Unfortunately this argument has in it an element of truth and has been the means of preventing some milk producers from putting up a silo. Where silage is kept in an inferior structure, and the spoiled ensilage is fed to the cattle, bad milk has resulted. Several large concerns, such as many of our condensories, have condemned ensilage in consequence. As

we have learned more about storing and feeding ensilage, however, the amount of bad milk coming from herds where ensilage is fed has been greatly reduced; from the great majority of farms where ensilage is fed no bad milk is now shipped. Most of these milk concerns have therefore wit' trawn their objections to ensilage as a food for dairy cows. When we come to think of it, it is a foolish objection anyway. Musty hay or rotten roots will both produce the same effect.

Where silage is intelligently fed it will produce as good milk as any other food. Whether we send our milk to the factory or supply it to the highest class of retail trade, we need not fear that the feeding of ensilage will cheapen our product.

### AS OTHERS SEE US

Do we farmers here in eastern Canada appreciate our opportunities as we should? We have all heard the story of the man who wandered over all the world looking for the fourleafed clover, and found it after his. wanderings by his own doorstep. There is a moral in this old fable that many of us might well take to ourselves. While rural Ontario is being drained of its population and many of its young farmers are leaving for the cities or the new lands of the west, many farmers of other countries, who see the possibilities of our farms here, are coming in and taking the places that we should have

Real estate dealers from the United States have for some months been buying up land in South Western Ontario, and selling it to farmers who move there from the corn belt of the United States. The well known Sorby Farm, at Guelph, Ont., was recently purchased at a high figure by an American who saw the possibilities .f an Old Ontario farm. Instances multiply every day of cases where United States and European farmers have seen possibilities in our farms of which we ourselves had never

cease thinking of the fertile prairies country.

### April 18, 1912.

of the west, or the "riches" to be made in our cities. Let us romem. ber that distant fields are green ; and our own farms.

What a source of satisfaction is a good garden. And how few of as farmers have a real good one. We feel safe in saying that That not on one farm in

Carden ten does the former have a regular succession of vegetables and fruits from

spring to fall. The trouble is that we do not plan enough. If now, before the spring work actively starts. we were to sit down and spend an hour or two actively planning out our garden we would not find it one-hal the trouble that it usually is when it comes to planting time. If we are foresighted enough in our planning we will have the rewards of our labor on the table every day for every summer month. Let us get busy.

Easy to have fun : Be kind ; do a good turn for your neighbor.

The farmer who makes \$3 or \$4 a day by working his team for somebody else is probably losing twice as much by not being at home attending to his own business.

### How the Dairyman is Fined (Hoard's Dairyman)

freed; if he feeds an unfitting, unbal-anced ration; if he does not care for

his milk and cream in a sanitary man

ner; if he does not provide improving

blood for the building up of his herd

lastly, but not least, he is fined most seriously if he undertakes to deal with all these questions with an ig-norant, uninformed mind. There is

(Heard's Dairyman) Dairy farming is a rigid, merciles court where there is no escape from paying the fines imposed. The farmer is fined in good round dollars in this court if he keeps poor cows: if heas unhealthful stables; if he does not unhealthful stables; if he does not

There is

vertised ? Your Oatmeal : Is

not, don't you wish

no escape, no appealing to the mere of the court, no remitting of the fines Refusal to make a serious study of the business of dairying is just where and how so many are heavily fined in this court.

### Knowledge Brings Contentment (Breeders' Gazette)

It is human nature to wish for the things that are just out of things that are just out of reach. Thoroughly acquainted with the unpleasant features of the present occupation, one learns mainly of the brighter side of the work and amusements of other people. The darker side is kept in the background by the effort of people to present a brave front to the world. Thus city people look longingly toward the country, while farmers' sons and daughters imagine that the city holds the greater measure of opportunity and happi

The traffic experts of New York in-terurban lines find that the young people within the radius of interurie transportation gain increased content-ment in farm life. While still living on the farm they are enabled to enjoy the advantages of city friendships. sights and amusements. They als learn of the hardships and dangers of city life without suffering from them. With an understanding of both sides Let us stop and try to see our farms as others see them. We will then free, healthful, substantial life of the farm families are likely to choose the

### April 18, 1912.

### Dairying Ahea

Dr. J. A. Quebec farmers h enlyes to dairving. pose horse and sw lamentably great increase in d d in great good t will make up to so lines in other bran In 1910 we had tories in Quebec wi number that we h proved in breeding At one time in the we had the milking niversally. Ayrshi grades are now mo becoming popular a have 730 breeder Quebec. The Hols

ig much ground a 120 members in the Holstein Bree French Canadian special breed, are no

### XX

What a joke you out a salesman for or twice a year to duct for which you every week of ever

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Your Sugar: Is it or Redpath? Your A Gillette? Your H A Waterman? The which you sleep: A Your Dentrifice : Co Perhaps not! Bi

Why this wish? you to have so goo of these particular what they stand for

It is because of a THESE FIRMS, ALL HAVE QUA DUCTS. THEN

YOU KNOW ABO -Not a mere " pan!" They know yo

forget so they have k LASTINGLY AT IT continue to practice policy in their adverti These firms in this

done only what you m your quality product. bring repeat orders o ple get it, you can d Be wise! Keep it 1

This policy in con your advertising in Dairy will bring you sults. Our people a perous Dairy farmer reach them exclusive waste or duplicatio Farm and Dairy-"A Paper Farmers 12.

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## Dairying Ahead in Quebec

Dairying Anead in Queece Dr. J. A. Couture. Quebec farmers have devoted them-solves to diviying, the general pur-pase horse and swine. Sheep have been lamentably neglected. The generation of dairying has result. ad in great good to our farmers and will make up to some extant for do-chines in other branches of live stock. In 1910 we had 2.165 dairy fac-tories in Quebec which is double the quality of our milking hords has im-proved in breeding and production. At one time in the Eastern townships, we had the milking Shorthorn almost universally. Ayrahires, pure bred and easde are now most numerous and d in great good to our farmers and universally. Ayrahires, pure bred and grade are now most numerous and becoming popular all the time. We have 730 breeders of Ayrahires in Quebec. The Holstein also is gain-Sing much ground and there are now 120 members in the Quebec branch of the Holstein Breeders' Association. French Canadian cattle, our own special breed, are not gaining ground.

### XXV

What a joke you'd be sending out a salesman for one week once or twice a year to sell your product for which you require sales every week of every year!

A few firms old enough to know much better, do this very thing when it comes to advertising.

The price of success in any sales organization is to "keep go-

With advertising. it is "KEEP-ING EVERLASTINGLY AT IT" that brings success.

Consider for a moment some of the advertised articles and products you use! How are they advertised ?

Your Oatmeal : Is it Quaker's? Your Sugar: Is it St. Lawrence or Redpath? Your Safety Razor: A Gillette? Your Fountain Pen: A Waterman? The Mattress on which you sleep: An Osterman? Your Dentrifice : Colgate's?

Perhaps not! But frankly, if not, don't you wish they were?

Why this wish? How came you to have so good an opinion of these particular names, and what they stand for?

It is because of advertising! THESE FIRMS, FIRST OF ALL HAVE QUALITY PRO-DUCTS. THEN THEY LET YOU KNOW ABOUT THEM.

Not a mere "flash in the pan!" They know you might soon forget so they have kept "EVER-LASTINGLY AT IT," and they continue to practice this sound policy in their advertising.

These firms in this matter have done only what you may do. With your quality product, which will bring repeat orders once the people get it, you can do likewise. Be wise! Keep everlastingly

This policy in connection with your advertising in Farm and Dairy will bring you gratifying results. Our people are the prosperous Dairy farmers and you reach them exclusively, without waste or duplication, through Farm and Dairy-

"A Paper Farmers Swear By"

There are 150 pure bred herds in the province. There are practically no beef herds in Quebec.

FARM AND DAIRY

Dairying is Popular in B. C. Dr. S. F. Tolmie, Victoria, B. C.

The man who follows an intelligent system of live stock farming is build-ing up a farm for himself and is leav-ing something for which future gen-erations will thank him. This is a lesson that we must impress on our farmers in B. C. Our markets are good, the country has hardly been scrutched. We now have two new railways that will open up much new country. Is this new country to be robbed of its fertility by the improvi-dent systems of agriculture that have been followed in the other new pro-rinces? The man who follows an intelligent vinces?

In dairy and other farm products, British Columbia will be a consumer in excess of production for many years to come. Condensed milk from the State of Washington as now m-ported in large quantities. Dairying is making astifishcory progress, par-ticularly in pure tored progress, par-ticularly in pure tored progress. ticularly in pure bred lines. One of our B. C. cows has given aimost 100 pounds of milk a day. The Coquit-lan Asylum Farm and the Experi-mental Farm at Agassi, will both be run as dairy farms and will be of run as dairy farms and will be of run as dairy farms and will be of great assistance to our dairymen. The city milk supply affords a market for many of our farmers. This has led to a tendency to buy cows rather than breed them and good heifers have become scarce

Record of Performance tests are Record of Performance tests are popular in our province and I expect that in the vot far distant future, British Columbia will be producing some of the best dairy cattle in Can-

### Low Grade Fertilizers

Editor, Farm and Dairy,-It is evident from the analyses of the fer-tilizors used by Mr. Cottingham, as published in Farm and Dairy, March

Elinser's used by air. Cottengnam, as published in Farm and Dairy, March 14th, that they were very low grado materials, and could scatcely have many standard and the standard stand tain no nitrogen whatever .--- B. L. E. York Co., Ont.

### Information on Barn Construction

Construction "How to Build a Dairy Barn' is the title of a most useful and next booklet gotten out recently by Bast-ty Bras, of Fergus, Ont. This book is replete with information on barn construction and deals with every phase of the question from founda-tion to roof. Complete directions are given for erecting a plank frame tion to roof. Complete directions are given for exercing a plank frame-barn, for laying concrete floors, and for the construction of cow stalls and mangers. An excellent article on venilation by J. H. Grisdale, Sup-erintendent of Dominion Experimen-tal Farms, is a feature of the book. Plans for model stables are given in diagram. diagram.

It has cost the firm of Beatty Bros. 1t has cost the nrm of Beauty Bros. \$3,000 to get out this book on barn construction. They will send it free to their friends and customers on application.

After calving the cow should be brought to her full milk flow as soon argostible. The daily milk records will here assist and guide the feeder.



## ARE THE MOST SANITARY

The up-to-date De Laval Cream Separators excel other separators not only in thoroughness of separation, ease of nning, simplicity and durability-but as well in the important feature of being the easiest cleaned of all cream separators and the only cream separator which is thoroughly cleanable under ordinary every day use conditions.

The modern De Laval separator bowl is completely unassembled in cleaning and every part is smooth, visible and easily reachable, without hinge, tube, pocket or crevice anywhere. The whole bowl is washed thoroughly in a couple of minutes.

The frame is smooth and free from recesses and every part is as accessible and thoroughly cleanable as the bowl itself. The gears and bushings are protected from milk or water reaching them, and there is no slop under or around the machine.

## QUALITY OF CREAM AND BUTTER DEPENDENT UPON SEPARATOR CLEANLINESS

An unclean separator bowl or filthy separator frame necessarily means a bacteria-infected and inferior quality of cream. Buyers of farm separator cream and buttermaking authorities generally are constantly emphasizing this point.

One of the prize winning creamery buttermakers at the last National Dairy Show recently wrote us:

"We are sorry for the use of so many 'mail order' and other inferior separators in our territory. It seems to be almost impossible to clean them, even though the farmers do try-and a good many of them don't even try. We wish you could do more missionary work to get these rotten separators out of the country. It is impossible for any buttermaker to make good butter from spoiled or tainted cream."

Any De Laval agent will be glad to take a modern De Laval machine apart for you so that you can see for yourself its simplicity and sanitariness of construction and how much more easily and perfectly it may be cleaned than any other separator.

DE LAVAL DAIRY SUPPLY CO., LIMITED 173 WILLIAM ST., MONTREAL 14 PRINCESS ST., WINNIPEG 14 PRINCESS ST., WINNIPEG "Manure Spreader Full of New Ideas Yes, sir, full of them-24 points of exclusive merit over any other spreader. Note these-carries twice the load-lighter draft-wider, evenerspreading-no choking-yet it tracks with standard wagon. Write for full Information Write foor full huforfination Our calaque is a book you ought to read to find out of the New Idea. Sprader has yone alread while others taind still. Ever have of the great Harman you we have will-from others. Let us tol we have the set of the start of the constraint of the set of the set of the Will be a set of the set of the set of the Meride set of the set of the set of the Meride set of the set of the set of the Meride set of the set of the set of the set of the Meride set of the set of the set of the set of the Meride set of the set of the set of the set of the Meride set of the Meride set of the Meride set of the s De La Cal PIGS PIGS Again we announce our popular offer of a pure bred pig, eligible for registration, which we will give you free as a premium in return for 9 new subscriptions to FARM AND DAIRY, each to be taken at only \$1.00 a year. The may have been such as year. The may have been such as a start sea, answeth, Berkshire or Yarkahire. We have been such as a start sea, answeth, Berkshire or Yarkahire. We have been such as a start sea, and the sea of the sea of the sea where the sea of the sea of the sea of the sea of the sea where the sea of the sea we subscribers. PIGS

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OUR "Perfect" Steel Cheese Vat has several unique merita. Being all steel it is dur-able. Having no cracks or crannies for milk to lodge in and decompose, it is sanitary. Having levers and gears for lowering and raisng inch by inch, it is handy. Also it is so built hat the last drop runs out; that is, it is an deal drainer. Write for our special catalogue of dairy SPECIAL PRICETFOR CASH Steel Trough & Machine Co., Ltd. TWEED., ONT. **CREAMERY MACHINERY** 

The "Perfect"

Steel Cheese Vat

FOR SALE 1 Sharples Tubular Separator, 3,300

 Sharples Tubular Separator, 3, Ibs. capacity
 Key City Square Churn, 300 Gallon.
 Kasan Power Butter Worker.
 Twin Cream Wat.
 Twin Cream Wat.
 1 Rotary Pump.
 18 H.-P. Engine, "Dutten."
 18 M.-P. Engine, Dutten. This machinery is practically new, only been in use a few months. Will sell in block or separately. Apply to

## JOHN B. WYLIE - ALMONTE, ONT. 100 ACRE FARM \$1.000

100 ACRE FARM \$1,000 Oneida, Comstr. N.Y. Buildings insured for \$1,000; 50 mtz, N.Y. Buildings watered pasture for 15 oows; lots of vood and timber; on main road, 2% miles to villages; good 7 room house, 60 ft. barr, sell before planting; only \$100,6 460 cash easy terms. Full details and travelling all before planting; only \$100,6 460 cash Buffalo, N.Y. many with complete equip-ment; pase 2, "Strout's Parm Catalogue Buffalo, N.Y. many with complete equip-ment; pase 2, "Strout's Parm Catalogue Buffalo, N.Y. many with complete equip-ment; pase 2, "Strout's Parm Catalogue R. R. Pares, Bislio (27), R. D.S. Buyer's R. Barse, Stalogue A. New York Telephone, Greeley 374.

AGENTS We will pay you well tohustion in your district for new sub-scriptions to this practical journal. FARM AND DAIRY, Peterboro, Ont.

through the run we use enough was Creamery Department Butter makers are invited to send contributions so this department, to ask queckone on matter relating to butter making and to suggest sub-jects for discussion. Address letters to Oreamery Department. 

FARM AND DAIRY

### Points on Separator care

......

M. F. Jackson, Lambton Co., Ont. We believe there is no machine on the farm that is more abused con-sidering its delicate construction than sidering its delicate construction than the cream separator. Few of our farmers are mechanics, so we would advise them to go slow and select the right kind of sep rator when buy-ing. We may ask ourselves, "What does this emody?" First, a machine that will give at least a 35 per cent cream with practically no loss in the skim-milk; second, one which takes a small amount of power to operate small amount of power to operate, built rigidly and strong and yet so simple in its mechanism that the ordinary man may be able to assemble and reassemble its principal bearings for cleaning purposes when necessary. If we follow dairying as a business If we follow dairying as a business we will provide a separator room properly equipped. This room how are and handy to our stables. This room should be built with good tight walls and coiling, with cement floor and foundation for the separator and pro-vided with plenty of available. If con-nection, ditch and drain water con-nection, ditch and drain second

OILING AN IMPORTANT POINT

The first point in operating is to ee that machine is well oiled. Whesee that machine is well oiled. Whe-ther run by hand or power, we should start usely and carchilly until the required amount of speed is reached. We put in at half speed enough water it a temperature of 100 deg, to flush the bow! When the separator has gained full speed we start the milk into it and continue a full even feed all through the run. We catch the first part of the cream that has come out druing the forcing of the water out of the bow! Ly the milk, and empty it into the supply tank. When

# DRUMMOND Sells Dairy Supplies by Mail Cheaper Than You Can Buy Anywhere Else and Guarantees the Goods pur site in the following articles shiped promptly on receipt of processing of the following articles shiped promptly on receipt of price.

The Beaver

**Babcock Tester** 

Used by all the Gov't Test-ng Stations. This 4-bottle rester is the same as carried



Colonist Cars on all Trains

No charge for berthe Through Trains Toronto to

Winnipeg and West Ask may C.P.R. Agent for capy of "Settlers" Galds"

4-Bottle Machine Complete, \$5.50 ple in construction and operation. The working parts consist of but Australia and the second secon

Beaver Coolers and Aerators 



**Sterilac Sanitary** 

Milk Pail

Note if elsere construction. The funnel is forwards the shall falls on the shall a step shell made the funnel-not on the strainer into the pair. All this falls on a step shell made the funnel-not on the contact. You can use ordinary cheese tokin for straining. Cancacuty 14 guarts no joints on the inside, it is saily cleaned. Here \$22.00. Used ty all up of obtain falls and dargmen.

Decimal Milk Scale 30 lbs. by oz. \$3.50, by tenths - \$4.00 - 38c. Sterile Atmospherie Milk Fever Outlit. Cures 90 per cent. of fever cases. Complete of milk \$3.00

fever cases. Complete \$3.00 Hard Milker Outlit in Handsome Case, contains Bistuory, Teat Opener, Teat Expander and Milking Tabes \$3.00 Cattle Trocars for Bloat, nickle plated \$1.80 EVERYTHING FOR THE DAIRY

This is Our GUARANTEE guarantee all our goods to be and do as we say. If you e trouble in getting results, or if there is any defect in what buy, let us know and we will adjust it satisfactorily. airy Car on the Ontario Government Demonstration Train was Equipped Entirely with "Drummond" Supplies,

through the run we use through wa-ter at about the same temperature to force the cream out of the bowl and to force the cream out of the bowl and pans. It is not well to separate such a heavy cream that we have to use much water to flush the bowl This flush water thins the cream, and the result is a flat tasting cream.

AN EVEN TEST POSSIBLE

If these directions are followed carefully, that is, the watching of the speed and feed and temperature of milk, there should not be any great variation in our percentage of butter fat in the cream from day to day. In winter, when the supply of milk gets small and we do not want to separate small and we do not want to senarate twice daily, warm the first milking to a temperature of 96 degrees before mixing with fresh milk, and separate mixing with freen milk, and separate both milkings at once. We will have much better results than by separay, ing each milking and washing the machine once daily, which practice I am sorry to state is here common with some patrons

The washing of the separator must The wasning of the separator must take place immediately. We would advise using a small quantity of Wyandotte Dairymen's cleaner and cleanser in the wash water, but by all means do not use too strong a all means do not use too strong ; washing aoda of any doscription as in darkens the tinware. When through ||y washed and scaledo, put the tas ware, skimming device and in s dr. in the sum in summer, and in s dr. warm place during the winter, such one a shelf in a warm part of any kitchen. Occasionally the tinwar-end exist with and hybridge in the and parts will need brightening. For this purpose we would advise the free use of Dutch cleanser.

### Lime for Cleansing

Danish butter has a reputation on Danish butter has a reputation en the British market. British dealer swear by the Danish product and vi-us of its fine flavor and keeping qua-or. The Danes themselves altribuy-the high quality of their product is no small measure to the cleanings, which prevails both in their stable and in their scamarise. and in their creameries.

A point that we Canadian creamen A point that we Canadian creamer men might take from them is their appreciation of the value of lime for cleansing purposes. Lime water is used almost universally for cleansing the dairy utensils.

They use one pound of lime to sat-urate 70 pounds of water. Our com-mercial lime not being so pure we would need to use a greater qua-tity. The method followed by the Danes is simply to slake the line with a small quantity of water and then stir the milk of line so formed into the main bulk of water.

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

Via Chicago and St. Paul, April 16th, 23rd and 30th, and every second Tuesday thereafter until Sept. 17th, inclusive. Tickets will also be on Northern Navigation Company. Spec-ial train will leave Toronto 10.30 p. m, on above dates for Edmonton and points in Manitoba and Saskatche wan, stopping at all points on Grad Trunk Pacific Railway west of Winn-oeg. Through coaches and Pullma Trunk Prific Rallany west of Winns-oes. Through coaches and Pulmar Pourist Sleepers will be carried full-equipped with bedding and portemp charge. Berths may be secured in sleepers at a low rate. This is a exceptional opportunity for those with ing to take advantage of the remark-ably low one-way Settlers rates or round rip Homeseckers' escursions through the Amoriean eities. No how the the theorem of the secure through the Amoriean eities. No how the theorem of the secure through the Amoriean eities. No how the theorem of the theory of the and berth press. Secure ticket and berther the secure the secure Grand Trunk Agent, with A E. Duff, District Passenger Agent. Ub-ion Station, Toronto. April 18, 1912.



### The Small Fact

Editor, Farm and and Dairy, March 14 ed a picture of the G Factory (which is in Stormont, not Gleng stormont, not Gleng and under that illust that the small facto encouraged. On this agree with you. I

that factory. The farmers of this we time sending the tory in which the ma building itself was lite wreck, and one mor arrived at the factor, burst, which ended carper, and compelled till a new factory wa TOO LONG A

The nearest factory wick Creamery, some miles distant, and i plant, equipped with manufacturing either ter. This factory to large quantity of mil are often kept waitin for their turn to be u of us who had a fourthat lost practically th half-days are procious farmer in harvest

loughing season. The farmers of the build a small factor for the sake of conven



THE CASHIER SAIL your Butter Check getting bigger late buy another cow?

### THE FARMER SAID

using WINDSOR makes better butt getting better certainly does pay Windsor Dairy Sal

## THE CASHIER SAID

say it does. Do yo let some of my fr secret?"

### THE FARMER SAID-Tell them all to use

DAIRY SALT if t get the 'top' pric butter"



Other Things You Need in the Dairy

### April 18, 1912.

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Makers are invited to send contributions to this department, to ask questions on matters relating to choese making and to suggest subjects for discussion. Address letters to The Choese Maker's Department. 

### The Small Factory Upheld

Cheese Department :

followed hing of Editor, Farm and Dairy,—In Farm and Dairy, March 14th, there appear-ed a picture of the Glen Payne Cheese Factory (which is in the county of Tatas great butter Stormont, not Glengarry, as stated). ilk geta Stormont, not orengarry, as stated), and under that illustration you state that the small factory is not to be encouraged. On this point I cannot agree with you. I send my milk to e parate lking to before parate that factory. The farmers of this section were at epara,

the time sending their milk to a factory in which the machinery and the building itself was little better than a building itself was notice better than a wreck, and one morning when they arrived at the factory the boiler was burst, which ended the factory's career, and compelled the patrons to send to the nearest available factory till a new factory was built.

### TOO LONG A HAUL

TOO LONG A HAUL The nearest factory was the Ber-wick Creamery, some three or four miles distant, and is a very large plant, equipped with machinery for manufacturing either cheese or but-ter. This factory takes in such a large quantity of milk that farmers action her weither with the farmers are often kept waiting till 10 o'clock for their turn to be unloaded. Those for their turn to be unloaded. Inose of us who had a four-mile drive after that lost practically the half day. And half-days are precious enough to the farmer in harvest time and fall

ploughing season. The farmers of the district resolved to build a small factory of their own for the sake of convenience, and dur-



THE CASHIER SAID-"I notice your Butter Checks have been getting bigger lately. Did you buy another cow?"

THE FARMER SAID-"No, I'm using WINDSOR SALT. It makes better butter and I am getting better prices. It certainly does pay me to use Windsor Dairy Salt."

THE CASHIER SAID-"I should say it does. Do you mind if I let some of my friends in the secret?"

THE FARMER SAID-"Go ahead. Tell them all to use WINDSOR de DAIRY SALT if they want to get the 'top' price for their butter"



nessessessessessessesses ing the fall and winter erected the ing the fall and winter erected the one illustrated in Farm and Dairy. It is built on a cement foundation, has coment floors, and is equipped with the very best machinery. The whey is elevated and pasteurised, and everything about the building is a type of modern convenience.

type of modern convenience. As this small factory keeps pace financially with its big rival, and as there is much less loss of time in drawing the milk. I fail to see why Farm and Dairy is knocking the small factory. - D. MacInnes, Stormont Co., Ont.

### Dairy School Examinations

The following is the proficiency list for factory and farm dairy students in the examinations at the Dairy School, Guelph. Ont, in order of merit, maximum marks 1,200:

I. Control Allanbury, 103; R. W. Herwy, C. M. Allanbury, 103; R. Smith, Ayl-mer, 82; P. A. Soly, G. R. Smith, Ayl-mer, 82; P. A. Soly, G. R. Smith, Ayl-McKennis, Clifford, 82; R. Yonas, Dohl, 907; A. Rogers, Leesboro, 88; T. Mac-donald, Molesworth, 870; G. Yandamp, Burketon, 884; W. Durnan, Hilton, 81; Guacha, 84; W. Burnan, Miton, 81; Guacha, 84; W. Burnan, Miton, 81; Guacha, 84; W. Burnan, Miton, 81; Rocalden, 70; J. A. Hill, Dalaware, 75; J. A. Sheeban, Hamilton, 784; M. J. Underhill, Guideb, 767; A. Haniy, Lawrence, 764; W. Helon, 83; J. H. Borbert, 75; W. Hang, J. L. Barding, 105; W. A. Coleman, Underwood, 61; S. W. W. A. Coleman, Underwood, 61; S. W. W. A. Coleman, M. Molen, Barding, S. M. Weison, 83; J. H. Borbert, 75; W. Markin, G. M. Bardin, 79; W. A. Coleman, Underwood, 61; S. W. W. A. Coleman, Underwood, 61; S. W. W. A. Coleman, M. Schol, Dunwille, 45; M. Salawara, M. Salawara, M. Sungara, M. Sungara, 199; M. Salawara, M. Salawara, 199; M. Salawara, M. Salawara, 199; M. Salawara, 1 H. Cotton, Allanburg, 1.018; R. Brown, Attercliffe, 994; G. R. Smith.

493. Farm dairy class.-R. J. Hastings. Guelph, max. 1,000, 814; W. Dunean, Ver. non, B.C., 524; W. Adams, Quebec, P.Q. Practical exams only, max., 400, 334.

### **Dairy Note**

Better milk supply! Keep the milk clean and cool it. Who has a better method?-W. Waddell, Middlesex

The wooden vat holds the temperathe wooden vat noids the tempera-ture better, and in that way is more satisfactory than the more modern steel vat.—B. A. Reddick, Northum-berland Co., Ont.

No one can judge of the quality of cheese until it is a week old, and I would prefer that it be 10 days.-R. W. Ward. Dairy Instructor, Peter-W. Ward, Di boro Co., Ont.

The use of ice for cooling milk for the cheese factory is just applying the and principles in summer as nature applies in winter.-J. J. Hogan, Potorboro Cc., Ont.

The pasteurizing of whey is a great benefit to cheese factory patrons, and they should be willing to bear the cost of pasteurizing.-W Waddell, Middlesex Co., Ont.

Chief Dairy Instructor G. G. Pub-Chief Dairy Instructor G. G. Pub-low has made two appointments to the staff of dairy instructors of Eastern Ontario this season. Dairy Instructor Dool, who has retired to take a pasi-tion at the Dairy School, will be suc-ceeded by Jas. A. Mitchell, of Red-nersville. Dairy Instructor J. B. Lowary of Frankfurd has reasigned to nersville. Dairy Instructor J. B. Lowery, of Frankford, has resigned to Lowery, of Frankford, has resigned to go in for cow testing. He will be succeeded by C. F. Linn, who has been in dairying for 15 years. Mr. Linn has been maker in Shamrock Factory. Hastings County, for the past 10 VORTS.

Kingston Graduates .-- The follow-ing is a list of students who were sucine is a list of students who were suc-cessful in passing the final examina-tions at the Eastern Dairy School; H. B. Smith, John Craig, J. A. Flood, lames Henderson, W. R. Linn, E. Leizert, C. F. Linn, S. J. Cheetam, Percy Rovers, W. Bitten, F. R. Pear-son, W. Wheeler, C. Campbell, T. Cone, W. Tarves, S. A. Kinnard, F. LaFoley, T. L. Shields, Goorge Hall, H. Green, B. Ladoucier,





T is astonishing what a lot of odd minutes one can catch during the day, if one really sets about it .- Mulock. ...

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

Pearl, the oldest daughter of John Watson, a C. P. R. section man in slifford. and they are married.

And Pearl drove behind. At the station there was only time for a hurried good-bye. Thursa seem-ed to take a more serious view of life. now that the real parting had come. She held Arthur's hand in a close grasp. "You've behaved awfully de-cent, Arthur." she said earnestly. grasp. Arthur smiled bravely and thanked

The last to say good-bye were Jack

The last to say good-bye were Jack and Arthur. It was an embatrassing moment for both of them, but their handclasp was warm and genuine, and Jack said in a low voice: "1'II try to be worthy of her, old man, and of you." Arthur spoke not a word. The train pulled out of the station

and made its way slowly over the long Souris bridge. They watched it wind Souris bridge. They watched it wind up the steep grade until it was hidden by a turn of the hill, and even then they stood listening to the hoarse boom of the whistle that came down the misty valley. The wind, that boom of the whistle that came own the misty valley. The wind, that seemed to be threatening all day came whistling down the street, driv-ing before it little drifts of snow as they turned away from the station platform

Dr. Clay took Pearl over to Mrs. Francis where she was to stay for the night. Arthur and Martha drove home in silence. When they reached the door Martha said: "Come in, Ar-

the door Martha said: "Come in, Ar-thur, and stay: don't try to get your own supper to-night." Arthur roused himself with an effort. "I think I'll go home, Mar-tha, thank you." Mr. Perkins came out and helped

Arthur to put away the team. Mar-tha stood watching him as he walked across the field to his own little lonely house. The snow was drifting in clouds across the fields, and some-times hid them from sight, but Martha stood straining her eyes for the last glimpse of him. Her heart was full of tenderness for him, a great almost motherly tenderness, for he was suffering, and he was lonely, and her heart's greatest desire was to help him.

Arthur went bravely back to his own desolate house—the house that

and they are marroed. THE bride and groom, with Arthur he had built with such loving ins' double cutter. Dr. Clay, own false hopes, and they are tracking who had not been able to come to the wedding, came out afterwards, and he hand Pearl drove behind. beside the window that she had told beside the window that she had told him about this man; it was there she had kissed him, and he had held her close to his heart for one sweet mo-ment; it was there he had fought so hard to give her up. But he loved her still, and would always love her. the violet-eved Thursa, the sweethears his boyish dreams.

He made an attempt to light the fre, but it would not burn-it was like everything else, he told himself it was against him. He went out ard it was against him. He went out and fed his horses and made them com-fortable for the night, and then came back to his deserted house, dark nowand chilly and comfortless. With the light of his lantern he

mething white on the floor He something write on the noor. He picked it up listlessly, and then the odour of violets came to him—it was Thursa's handkerchief, that she had dropped that day. He buried his face in it, and groaned.

The wind had risen since sunset. The wind had risen since sunset, and now the snow sifted drearily against his windows. Down the chimney came the weird moaning of the storm, sobbing and pitiful some-times, and then angry and defiant. He sat by the black stove with his Ite sat by the black store with his overcoat on, holding the little hand-kerchief against his lips, while the great, bitter sobs of manhood tore their way through his heart. All night long, while the storm raged around the little house and rattled every door and window, he sat there numb with cold and wumb with

there numb with cold and dumb with there numb with cold and dumb with sorrow. The lantern burned out, un-noticed. At daylight he threw him-self across the bed, worn out with grief and loneliness, and slept a heavy sleep, still holding the violet-scented handkerchief to his lips. When Arthur woke the san was

When Arthur woke the sun was pouring in through the frosted win-dows. He got up hastily and took off his overcoat; he was stiff and uncom-fortable. He weat hurriedly out to his little kitchen, thinking of the horses, which needed his care. An exclamation of surprise burst from

ham came to his nostrils. was set with a white cloth, and on it was placed a dainty enough breakfast to tempt the appetite of any

He went hurriedly to the door and He went nurrieary to the door also looked out-there were tracks through the high drifts of snow! He turned back to the table and poured himself a cup of steaming coffee. "Dear old Martha," he said, "she is a jolly good

sort?" Arthur was gloriously hungry, and ate like a hunter. It was his first square meal for more than twenty-four hours, and every bie of it tasted good to him. "In ever even thanked Martha for all her kindness," he said, when he was done; "but that's the when he was done; "but that's the beauty of Martha, she understands without being told."

### CHAPTER XXVIII. A SAIL! A SAIL!

The buds may grow and the fruit may

grow, And the autumn leaves drop crisp and sere But whether the rain or the sun or

the snow, There is ever a song somewhere

my dear

-James Whitcomb Riley.

The first week after Thursa's marriage Arthur kept to his own house, and the neighbours, with fine tact, stayed away. Many and varied were the ways they took of showing the sincerity of their sympathy. A roast of "spare ribs," already cooked, was left one day mysteriously on his door-



### There's a Connecting Link

There's a Connecting Link "Sam" Thorne is justly proud of his first months old colt, "Blossom," a pure-bred Clyde. This colt was halter broken by its young owner. Ban is a son of Wan. Thorne, the well-known Arynhire breder of Norfolk Co., Ont. The ownership of stock is always a connecting link be-tween the boy and the farm.

step: the next day a jar of pincherry jelly and a roll of jelly-cake were there. His mail was brought to him daily by one or other of the neigh-bours, and when it seemed to John Green's kind heart that Arthur's mail was very small and uninteresting, he brought over several back numbers of the Orillia "Packet," one of which of the Orillia "Packet," one of which contained obituary verses that his own cousin had composed, and which Mr. Green marked with wavy ink lines, so that Arthur would be sure to see them. Mr. Green thought that his cousin's lachrymal symposium on the uncertainty of all things human should be very comforting to Arthur in his present mental state. Little in his present mental state. Little parcels, too, came mysteriously through the mail to Arthur. One day it was a pair of socks, from an ano-tymous contributor; another time there came a pair of woollen mittens, red and blue, done in that intricate pattern which is known to the elect as "Fox and Geese." A little slip of paper, pinned on the wrist of one stated that they were "from a friend." and Arthur shrewdly suspected that Aunt Kate Shenstone had sent them. The evil significance of the gift was not known to the giver, and not notic-not known to the giver, and not noticnot known to the giver, and not notic-

exclamation of surprise burst from of dy the recipient. his lips. A bright fire was burning in the stove, and a delicious odour of frying

April 18, 1912.

His table the comfort of knowing that there were loyal-hearted friends him who were sincercly som disappointment was a week before Arth It left is

It was a week before Arini own house, and then he we bread to the Perkins home had not been so burdened own trouble he would sur own trouble he would how carefully how light her Mar dressed, how light her sub-happy her face. The tiny the horizon had been a senough. It might not be com Deck o ing her way-it might never see the wrecked sailor-but it was a sa a sail Pearlie Watson, the very

Pearlie Watson, the very day after the wedding, began to do some hug thinking on Martha's behalf. Oue fact stood out above all others-the was a chance for Martha now, if she her Ag

was a chance for Martha now, if si could only qualify. Pearl talked it over with her Ad-Kate, who was a woman of the work and had seen many marriage. Ann Ku was hopeful, even confident, of a utternet the ven confident, of a

was nopetul, even confident, of the outcome of the present case. "Of course Martha'll get him: she said. "Why shouldn't she? | never in all my life seen better had soft soap than what she mak soft soap than what she makes, in her bread is as light as a fashe you could make a meal of it; and m isnes she's took to fuffin' her har and dressin' up so nice, she's a gw enough lookin' girl. She ain's educated as he is, of course, but he soft soap of hers, no matter what els cotion you had."

cation you had." Pearl shook her head and wish that she could share her aunt's or timism, but she felt that somethis timism, but she felt that more than a knowledge of more than a knowledge of scapmak ing was needed for a happy married life. On her way to school she though about it so hard that it seemed to be that any one coming behind her work be sure to find some of her though the snow. Mr. Donald, who saw that

thing was troubling her, inquired the cause of her worried face.

cause of her worrier race. "Of course, I do not want to know if it is a secret, Pearl," he said; "he it may be that I could help you if knew all about it." Pearl looked at him before reply

ing. "It isn't a secret that I was to and promised not to tell. It is some that I found out by accident, a and promised not to tell. It is some thing that I found out by accident, a at least, all by my own self, and su among friends." Mr. Donald nodded.

Mr. Donaid nodded. Pearl went on: "Maybe now you just the one who could help me, believe I will tell you all about it

This was at recess. The chi were out playing "shinney. were out playing "shinney." could hear the shouts of the co-ing sides. Pearl told him her and fears regarding Martha. tha's all right at heart, you she concluded; "she's good e for Arthur or any one, really. had vulgar ways or swore got mad, or sassed her Ma, lies, or was stingy or mean thing like that, it would be fa and harder to get rid of, because thing but a miracle of grace out the roots of sin, and then it is a big task to marry any on that, that, because you're never sure one tiny little root may be left in due season it may bust u grow.

rrow." "It may, indeed," Mr. Donald sui smilling. Then he added, when his smile had finded: "Bust up an grow are the words to express it "But if Martha could only gf smoothed up in education, and law about William the Conqueror, an what causes tides, and could talk little more and answer back a little smarter like, it would be all right I do believe."

I do believe." (To be continuea)



and many other pla prices on Eggs for Highgate, Ont. This V Must Pav

MAN tried to sell said it was a fine ing the matter w horse. But, I di se. Bu horses And I know very much didn' the well either. Bo I told him

the hors for a month He said "All right, but pay me first, and I'll give you back your if the isn't all

lik I was the wasn't right" that I have to for my if I

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for if i parted by the although I want we thinking make Was make Was said to myself think about my W ht about the who owned it.

think about my Wash thought about the hor man who owned it. But I'd never kno-wouldn't write and tel Bo, thought I, it is on let people try my Was a month, before they g as I wanted to try the Tou see I sell my Wa mail. I have sold over

mail: I have sold over way. Now, I know what o Washer will do. I know clothes, without wearing in less than half the washed by hand or by z I know it will wash i dirty clothes in Six min other maching aver in

I know it will waah i dirty clothes in Six mi other machine ever inve-without wearing out th Our "1900 Gravity" work so easy that a ch most as well as a stroy don't wear the clothes, f break buttons the way a do.

o. It just drives soapy wa he fibres of the clothes

the norse or the corner might. So, and I to myself, I "300 Gravity" Washer w man to do with the hor waif or people to ask m and I'll make good the Let me send yon a "300 er on a month's free tri freight out of my own p don't want the machine it a month. I'll take it 1 freight too. Surely that isn't it?

fricht too. Burrby thu in the second second second second second gasher must be all thus gasher must be all thus area for you. It will an the for mosthic, in wears the for most second second second weak-ounside wages. If i burgs of the second second the second second second second second second the second second second second second second weak-ounside second second weak-ounside second second weak-ounside s Address me personally Manager, 1900 Washer Co.

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### FARM AND DAIRY

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## This Washer Must Pay for Itself

N tried to sell me a horse once. He it was a fine horse and had noth-the matter with it. I wanted a rae. But, I didn't know anything

horse And know month d "Al said "All t, but pay first, and give you ck your

right . didn't that. afraid I

white for my meney if i with a solid didn't by the anted it badly. Now the set me thinking the set me thinking and the solid the solid solid solid the set me thinking and i add to myself, tols of people may think about my Washing Machines as it incards assume the horse and about the But 1d never know, because they would't write and tell me. But 1d never know, because they would't write and tell me. But 1d never know, because they would't write and tell me. But 1d never know, because they would't write and tell me. To a sol self up washing Machines by may. I have seld over half a million that write the solid over half a million that

mail: I have sold over half a million that way. Now, I know what our "1000 Gravity" Waher will is I know it will wash the water will be it is the solar solar that in less than half the time they as the wahed by hand or by any other machine. I know it will wash a tub full of very wahed by hand or by any other machine. I know it will wash a tub full of very other machine ever invents. Above no other machine ever invents. Above no other machine ever invents where does the water on way that a child can run it al-most on way that a child can run it al-most on way that a child can run it al-do to the choltes, fray the degen on frash buttoms the way all other machines de

just drives soapy water clear through fibres of the clothes like a force pump

mint: 6, suid I to wyelf. I will do with my 1100 (ravit) "Waher what I wanted the sail for peeps to ake me. This different lat me seed good the offer every time. Lat me seed good me offer every time. Lat me seed good me offer every time. Lat me seed good and the sail of the right of the sail of the sail of the sail for the sail of the sail of the sail of the right of the sail of the sail of the sail of the right of the sail of the sail of the sail of the right of the sail o man



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### \* OUR HOME CLUB

### The Effect of Envoironment

The Effect of Envoironment There is more truth than poetry in that last letter from "Another Hired Man." He there says that ve farmers should be boosters if we would keep the boys on the farm. That statement is just a very small part of a widely as pipicable rule. Children are the most sensitive of a scient. all animals to environment. The av-erage child notices all things and all things make an impression that is lasting.

lasting. I recently visited for half a day a family living several miles from here and 1 am quite with the nothing abort of a miracle will there keep the girls on that farm. Both mother and father were slaves to the "grab" habit. They could not make enough money and they were sim-nly working themselves and their enough money and they were sim-ply working themselves and their children to death. Such thin miser-able looking people I have not seen in a long time. They were constantin a long time. They were ly grumbling about not ly grumbling about not getting enough for this, that, and the other thing. These children knew that arents were in good condition their parents their parents were in good condition financially. They also knew that in the neighboring town, people in the same financial circumstances, lived well and enjoyed life. Judging from same maneral circumstances, lived well and enjoyed life. Judging from appearances, as children will, can any one blame them if they left for town at the earliest opportunity? The same applies to the sons. They saw the boys their own age in town having a good time, around set.

saw the boys their own age in town having a good time, getting a chance occasionally for a game of baseball, or a few hours at the lawn tennis courts. But with them it is a concourts. But with them it is a con-tinual case of chores, chores, chores, These small boys are storing up their impressions and they certainly are not favorable to farming. I join in with "Another Hired Man" when he says "Let's Be Boos-ters." But I would also add "Let's

make country life worth boosting."

### ... Let the Boys Plan Too

My brother farmers, take your sons into your confidence in making your plans for the season's operations. Te will develop them into men of executhe ability. In their tender years they will be led to take more interest in the old farm than could ever be taken on a farm where they must work and ask no questions.

and ask no questions. I recall an instance that illustrates the foolishness of teaching boys to "do just as they are told," without questions. One of my neighbors went off on a trip to the west and left the farm in charge off his sons ranging in age from 14 to 20 years. He was the kind of a man whose very manner seemed to say "I am the boas of this ranch." As his boys had been work-ing for him for so many works to foll ranch." As his boys had been work-ing for him for so many years he felt that they could run that farm all right in his absence

But they couldn't. They had always been taught to look to their father for direction on the smallest trifles of management. They had trines of management. They had done the work over and over again that they now had to do in their father's absence. They had done it without interest. They were now completely at sea. To use an expressive phrase, the farm "ran itself" until the boss of the job got back.

When we were boys at home we thought that we knew as much about the running of the farm as our father and he never gave us cause to k otherwise. Our suggestions die did and he never gave us cause to think otherwise. Our suggestions were always asked for and given re-spectful attention. If father went off on a trip for a month or two, as he sometimes did, he was perfectly cer-

tain that all would be well at home. That's the result of giving a boy a hearing.—"Uncle Jack." . . .

### Infinite Power

By Elhert Hubbard

Any person, in any walk of life, Any person, in any walk of life, who puts jealousy, hate and fear out of his life will be distinguished. All good things shall be his. They will flow to him.

Power gravitates to the man who can use it; and love is the highest form of power that exists

form of power that exists. If ever a man shall live who has infinite power he will be found to be one who has infinite love. The way to free yourself from dis-

cord is not to take a grip on your-self and strive to be kind, not that Just don't think much about it. Lut Just don't think much about it, Lut lose yourself in your work. If your intent is right, your actions will be also. Hell and heaven are not localities-they are states of mind. Once we thought work a curse; then it came to us that it was a necessary evil; and yesterday the truth dawn evil; and yesterday the truth dawn-ed upon us that it is a precious pri-vilege. There is more joy in useful effort than in the painstaking avoid-ance of it. Creeping into the lives of men everywhere is the thought that cooperation is better than com-We need each other, and petition. We need each other, and by giving much will receive much. That old maxim, "Cast thy bread upon the waters," is founded on a stern psychologic law. Everything petition. upon the waters," is founded on a stern psychologic law. Everything we give out comes back to us. Give out love, and love returns. To grasp and grab and seize is to lose. And a second sec

MODERN TENDENCIES

We are reaching enlightened self-We are reaching enlightened self-interest. And so there is in strong setting of the social tide toward useful effort and the elimination of the parasite. This through the knowledge that we can thrive through service and not through exploitation.

Everywhere schools and Everywhere schools and colleges are doing things, not merely talking about them. The education de luxe -the education for show-will soon be consigned to limbus. Already we say, "That man is best educated who is the most useful." And the true is the most useful." And the true test of education will lie in its possessor's ability to serve.

possessor's ability to serve. Do not go out of your way to do good, but do good whonever it comes your way. Men who make a business of doing good to others are apt to hate others engaged in the same oc-cupation. Sacrifee and self-abnega-

cupation. Sacrince and self-abnega-tion are not needed. Simply be filled with the thought of good, and it will radiate. You do not have to lother about it any more than you need to trouble about your digestion

Do not be disturbed about saving your soul. It will certainly be saved if you make it worth saving.

Do your work. Think the good. And the evil, which is a negative condition, shall be swallowed up by the good.

### ...

Advice to Bachelors. -Do not ask a girl to marry you after dars when she is dressed fit to kill. Call on her, and when you leave inadvertently drop a glove on the piano. Re-turn for it next morning at nine for it next morning at mine ck. If she comes to the door binner on her o'clock. with one shoe and one slipper on, her hair done up in curl papers, dressed in an old Mother Hubbard, our ad-vice is to take to the woods. But if her hair done up nicely grab her quick.—Marionville (Mo.) Free Press.

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what is the best to use in cleansing the cream separato nurchasing a new h ar showed me so m has occurred to me women in the sa women in the sa would not have any is the best kind of a take home with the adopted to the purp using brushes of var forence to wash ol



### A Good Dairy Brush

A Cood Dairy Bruh Mr. P. J. Armstrong, Wellington, Co., Ont. What is the best kind of a bruhs the ream egratator, I was recently purchasing a new bruhs dath this the cream egratator, I was recently purchasing a new bruhs and the data. To fiftee a bruk have the out four inches the ream egratator, I was recently the same circumstances would not have any ideas as to what the best kind of a bruhs and would take home with them one not at all the purches. I have been mind bruhses for merer trence to wash cloths for sever) trence to wash cloths for sever. Mark is the dest kind of a bruhs and would take home with them one not at all the new for sever. Mark is the bruhses for sever. Mark is the bruh when the for sever. Mark is the bruh when the for sever. Mark is the dest kind of a bruhs have the wash regard not increase that more assisticatory for matter how carefully used. Mark is the treat when the for sever. Mark is the bruh the for sever. Mark is the bruh when the for sever. Mark is the bruh the for sever. Mark

years now and have tried many styles

the chards chard, and they will be surface. asily replaced without any effort on the mother's or nurse's part. Keep old kid gloves and use the finger tips to cover the corks of bot-the when travelling. If tied on tight chards of owner without washing.

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-n

Poole Bros., King's Co., P. E. I., have a grade cow, four years old on the 2nd of January, that on the 28th of March drop-ped her fourth calf. Is this a record?--Wm. Aitken, King's Co., P.E.I.

With Anham, ang s co, F.F.I. Annoug the young stock of Wim. Stewart and Sona. Menic, Ont., a particularly good heifer is White Heacher, due to freaken in August. This heifer is won-derfully scriptich and true in her lines. We have a straight and the state of the right shid and will make a size fit to queen of Baury attracted attention. He is alread, showing development; of the right shid and will make as are fit to in in his stathe make. Spring Hill Temales are all in eaif to Spring Hill Quahier.

MORE ABOUT EILEEN'S RECORD

Farm and Dairy has received a letter rom Mr. A. Stone, Manager of the Willow letter from Mr. A. Stone, Manager of the Witten moor Farms, Redmond, Wash, criticains the statement made in Farm and Dairy, February 20th, that the roords minde by Mr. Mode's Ayrehire cow, Rileen, and that of their cow, Netherhall Brownie 7th, eannot be fairly compared. In that issue Farm and Dairy stated that the constraints of the state relation of the state of the state of the state relation of the state of the state relation of the state of the state relation of the state of the state of the state relation of the state of the state of the state relation of the state of the state of the state relation of the state of the state of the state relation of the state of the state of the state of the state relation of the state of the state of the state of the state relation of the state relation of the state of the

Stone, who has previously refused Mr. Stone, who has previously refused to give us this information, now comes forward with the statement that when Netherhall Rownis 9th died at the end of her test also had been bred for four months. Under these conditions, threa-tors, she could not have compiled with Mr. Stone that the statement of the R. O. P. test. Brownie Netherhall 9th mowever, that Brownie Netherhall 9th mowever, record under other adverse conditions that would serve to counterbalance the that would serve to counterbalance the advanatge that not being bred would give her. During the whole of her test she was suffering from lockjaw, and had to be separated from the rest of the herd. It was from this disease that she died.

### SOME WESTERN AYRSHIRES

SOME WESTERN AYRSHIRES Editor, FATM and Dairy.-We have been having, FATM and Dairy.-We have been having, FATM and Dairy.-We have been have settern country. If the dirty work in stopped retailing our milk as help is solved are solved our provide for them. If a bunch of our oows is of them. If a bunch of our oows and ning grades are solved or own prove for them. If a bunch of burnaide, imported by IL is. Ness. We also have is pure-help helfers that are promising helfers and is trate.

grades. We find this a hard climate for all year dairying as, for six weeks, the thermo-meter goes down to B or 45 degrees below sero. The clir folks, however, are willing to pay well for the milk and cream, so I for one will stay in the business.-J. J. Dunfield, Dauphin Dist., Man.

ST. GEORGE BECOMING A HOLSTEIN

CENTRE The remarkable progress being made by Holatein cattle throughout Ontario is re-flected in a pleasing degree by the in-terest being taken in these cattle by severterest being taken in these cattle by sever-al farmers in the vicinity of 61. Gorger (Brant Co.), Ont. For years there has been at 81. George the noted herd of 31r. G. W. Clemons, who for many years has been the severatary of the Camdian Hol-stein Breeders' Association. But for some reason or other it has been only during the past few years, and, indeed, only during the several several several several tenses and the several several several press in this district. Mr. 8. G. Min Pro-gress in this district. Mr. 8. G. St. Pro-tesshalhed a herd at 51. Gorge. Later. 5. J. McLean secured a number of the best of these and founded his herd, which Dest of these and founded his herd, which is at Harrisburg, but two miles distant from St. George Some three or four years ago Mr. Dan Burt established a herd of pure bred Holsteins. These herds average from 20 to 50 Hol-stein formales.

Lately, or during the past two years. Lately, or during the past two years, Mr. Wellington Sager has gone in for purchered Holsteins, he now having 14 head, all told, including a bull, "Ormshy Duke," by Sir Admiral Ormshy. Mr. Washington and the second state of the second past, and the second state of the second past three of these being of Mr. reds, as breeding. Other than these 8: George men, Mr. Wm. Robb has made a start, be breeding. Other than these 8: George men, Mr. Wm. Robb has made a start with purchered Holsteins, as has also Mr. Walter Pattern, Mr. Oscar Roeberough. Will, and with Mr. H. F. Daterson onits

With these berds increasing as they will, and with Mr. H. F. Paterson only five miles distant at Alford, and Mr. S. hve miles custant at Alford, and Mr. 8. Lemon about seven miles away at Lyn-den, it will not be long before buyers of Holstein cattle will be able to drive out from St. George and get the best in Hol-stein cattle, and get these in numbers such as they may require.

### DEMONSTRATIONS OF USE OF EXPLOSIVES

EXPLOSIVES Demonstrations showing the use of CX L stumping powders on the farm will be held at the following places at 1 p.m. on the date mentioned:

held at the following places at 1 p.m. on the date mentioned: Langton. Ont. Friday. April 19th, on W. F. Swain Farms; Smoon Cont. Barrans; St. Thomas. Orth. yon Lorndale Farms; St. Thomas. Orth. yon Lorndale Farms; St. Thomas. Orth. yon Lorndale Arms; Arms; Brigdon, Ont. Thursday, April 25th; Inwood. Ont. Friday, April 25th; Petrolla, Ont. Saturday, April 25th; Petrolla, Ont. Saturday, April 27th, un-terial and the District Represen-tative of the Onderto Experiment of Agri-tatives of the Onderto Experiment of Agri-enture. culture

culture. All parties interested are cordially in-vited to attend and see the quickest and cheapest way of cleaning land and im-proving the farm in general.

### OXFORD BREEDERS MEET

OXFORD DETERDERS NEED The newly organized Oxford District Hol-stein Breeders' Club hold of the District Hol-tic meeting at Woodiscole on March Baix Quastions brought before the meeting were discussed in a manner that augers well for the future success of the club. "We have men to make a success of our in-have men to make a success of our in-termed and the success of the club. The have men to make a success of our in-to make our darying interest pay," said Mr M. L. Haley, of Springford, president of the club. He referred to the great benefits of cooperation and advised adver-bends is of the outboard of the disconter of the reders of both North and South Orford are uniting in this club as they believe one strong club is better than two weak one.

one atrong club is better than two weak one. Cons. Hose, of Tillsonburg, addressed of the Dairy Cow," and Indiangement of the Dairy Cow," and Indiangement he Holeton, "Take out the Holeton," said he, "from the County of Oxford, and what would you have left." over the subjects of raising franch in order to meet the expenses of the organization. Mr. J. Leuler of Cassel, said that Holeton," he hoped they would derive bills and to raise of Cassel, and that Holeton ler, also of Cassel, and that Holeton he hoped they would derive bills and I was finally decided for the present year to raise money by making atrong efforts to increase their membership.



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Lump Rock Salt, \$10 for ton lots, f.o.b. Toronto Toronto Salt Works, 128 Adelaide St. E. G J. CLIFF. Manager Teronto, Ont

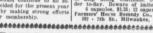
## NEWVERMIFUGE

Network and other diffective remedy for formanted by the Prarewill Horse of Guaranteed by the Prarewill Horse set of the out of the set of the set of the set of the the set of the set of the set of the out of the set of



Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines nor for less than six months, or 2 insertions during twelve months.

Windstand Construction of the second state of the sec



### HOLSTEINS

FAIRVIEW FARM HERD

Too much money is spent every ear for poor bulls. Why not buy a ood one? Sons of Pontiac Kornyear for poor bulls. Why not buy a good one? Sons of Pontiac Korm-dyke, Rag Apple Korndyke, and Sir Johanna Colantha Gladi for sale: 160 head in herd. Come and see them

E. H. DOLLAR, Heuvelton, N.Y.

FOR HOLSTEIN BULL CALVES BAIL GAIL NOT Feb. 2. Whose four near-est dama average W lbs. of butter in 7 daws. Another born May 15; dam fres cow in Canada of her age to make 20 lbs. to the state of the state of the state cow in Canada of her age to make 20 lbs. to the state of the state cow in Canada of the state and with official record at 2 years and 13 days of 14.9 lbs. butter in 7 days. Also two-year-old stock bull. David Canadhell. Yarmouth Centre, Out.

## LAKEVIEW HOLSTEINS

Bull Calves, sired by Dutchland Col-antha Sir Mona, and out of heifers sired by Count Hengerveld Fayne DeKol.

E. F. OSLER BRONTE ONT

### LYNDALE HOLSTEINS

Present Offering. Young Bull, fit for service. His dam 3 9)

sire's dam and grand dam average 29.40 lbs. of butter in 7 days. LYN, ONT.

BROWN BROS.

FOR SALE

noistein Bull Sir Boutaje De Kol, No. 096, 3 years old; sire, Boutaje Pietertje, 0.A.C.; dam, Rosa De Kol. For further particulare write JNO. GRAHAM, BROWN

### GREATEST VIEW HOLSTEIN HERD

As I have sold all my yearling bulls, I am offering my spring crop of Bull Caly sired by Cora DeKol Pietertje's Count, half-brother May Echo, the champion R. O. P. oow with nearly 24,000 lbs. milk and 1,050 lbs. butter in 1 year, from large producing dams. Prices moderate. For particulars, apply

ARCHIBALD PARKS, NAPANEE, ONT.

### HOLSTEINS If you are wanting HOL-STEINS, any age, either sex.

Manhard, Ont

GORDON H. MANHARD.

## **AVONDALE FARM HOLSTEINS**

Arthur C. Hardy, Prop.

We offer buil calves, and all out of tested dams. One is a son of Sir Johanna Colantha Gladi, being a grand-son of Colantha Johanna Lad and Pon-tias Korndyke, and from a 25 lb. three-year-old dam.

Also HORN DORSET SHEEP and YORK SHIRE PIGS. Address all correspondence to

H. LORNE LOGAN, Manager

Brockville, Ont.

### FARM AND DAIRY



Toronto, Monday, April 15--Trade on all 31: sides is satisfactor; and the volume of business in wholesale lines is reported as pormal. Country roads are the worst in errow and so and the source of the sum would show an increase over the same week has year. Prices on all lines of produce seem to be on the advance nowadays. Consre Gauss have reached record faures. Mani-tor a best is on the advance, catile are on a best is on the advance, catile are on a best is on the advance, catile are on a well up WHAT Source are now well are ported to determine construction of the set of the set of the source of the set of the set of the set of the source of the set of the set of the set of the source of the set of the set of the set of the source of the set of the source of the set o

are now wen by WHEAT Crop reports are now the determining features of the wheat situation. The price of hard wheat has gone up fo on price of hard wheat has gone up fo on the situation of the situation of the situation situation and house markets is good. Quo-towsien and house markets is good. Quounravorance States wheat fields. The demand for bonn foreign and home markets is good Quo-tations are as follows: No. 1 Northern, \$1.41.42; No. 2, \$111.12; No. 3, \$1.67%; Manitoba feed wheat, 77.6 Ontario wheat Manitoba teed wheat, 77.6 Ontario wheat participated in the general rise, and a sold recently has changed hands at 98c. COARSE GRAINS

Bold recently has onanged mange at yes. Oats, boArst GRANKS GRAN and On-tario, are on the data Wastern and On-tario, are on the data wastern and on-tario, are on the data of the data of the strongly. Other grains remain steady at high levels. Quotations are as follows: Barley, malting, See to Se; feed, See to Fe; ests, C.W. No. 2, Sée No. 1 strat-fly ends, C.W. No. 2, Sée No. 1 strat-de to Ser. No. 1 feed. Sic: Ontario No. 2, de to Ser. No. 1 feed. Sic: Ontario No. 2, de to Ser. No. 1 feed. Sic: Ontario No. 2, de to Ser. No. 1 feed. Sic: Ontario No. 2, de to Ser. No. 1 feed. Sic: Ontario No. 2, de to Ser. No. 1, Sec. No. 2, Sec. No. 2, Sec. No. 2, de to Ser. No. 1, Sec. No. 2, Sec. No. 2, Sec. No. 2, de to Sec. No. 1, Sec. No. 2, Sec. No. 2, Sec. No. 2, de to Sec. No. 1, Sec. No. 2, Sec. No. 2, Sec. No. 2, de to Sec. No. 1, Sec. No. 2, Se 51.30 to \$1.25; rye, \$1, and buckwheat, 720 to 75c. Montreal quotations are: Corn, 880: onts, C.W., No. 2, 54e to 541.42c; No. 5, 55e to 501.42c; No. 1 extra feed, 51e to 511.42c; No. 2, 49e to 491.42c; buckwheat, 72e; barley, malting, \$1.09 to \$1.10; feed, 72e; barley.

### MILL STUFFS

MILL STUPPS Mill stuffs are scarce all over Eastern Canada and prices are steady at the advance of bars week. Manitoba bran is gcoted at 825 whorts, 827 Ontario bran, \$25; shorts, \$28, At Montreal bran is quoted at \$21 to \$27; shorts, \$27 and middling, \$29. HIDES AND WOOL

HIDES AND WOOL The market for hides is steady at last week's decline. Prices paid by country merchants are: Hides wired. Hie to 11 1-5c; green, file to its citation in the pair, \$10 ctdl, horse hides, increase hair, 36c; calf skins, 16c to 16c. Unvaside wool is quoted at 12 1-3c to 11 1-3c; washed, 18c to 26c; 13-3c. Unvaside wool is quoted at 12 1-3c to 13 1-3c; rejects, 17 1-3c. HONEY

# Wholesale quotations remain unchanged. Strained honey is 10c to 11c in 60-lb tins, 11c to 12c in 5 to 10-lb tins; buckwheat honey, 6c to 7c in tins, 6 3-4c in barrels. No. 1 comb honey is \$2.25 to \$2.50 a dos.

HAY AND STRAW

**HAY AND STRAY** Quotations are as follow: No. 1, 815 to 81639; No. 2, 813 to 81459; No. 3, 810,09 to 811; clover, 810 to 81057; No. 1, 810,09 to 93. On the retail market, Natraw, 89 sells at 821 to 834; mirch Any, 817 to 839; straw, bundled, 817 to 818. At Montreal supplies are light and trade is cuiet or-ing to the difficulty of setting shipping facilities, Quotations are: No. 1, 81550 to 816; No. 2, 81569 to 815; No. 3, 810,50 to 811.

### SEEDS

Merchants are selling seed at the follow-ing prices: No. 1 red clover, Government standard, \$16: No. 2, \$15; timothy, No. 1, \$9.50 to \$10; No. 2, \$8.50; alfalfa, No. 1,

POTATOES AND BEANS Potatoes are up all the way round. What few potatoes there are in the coun-try are being held for seed, and are worth more for that purpose than for consump-tion. Old Country potatoes practically control the market. What few Ontario tion. Old Country potatoes practically control the market. What few Ontario potatoes are under a state that the stars a hag in carring and \$1.50 out of store. Delawares are under at \$1.90 out \$21. Regilian and Triah under at \$1.90 to \$1.70 out of store, and \$1.55 in car lots. Beams here are quoted at \$2.30 to \$2.40 for primes and \$2.30 to \$2.40 for hand

### EGGS AND POULTRY

EGGS AND POULTRY Wholesale dealers are now quoting 25c to 35c a dozen for new laid eggs, a decline of 26 to 35 from last week's quotations. Beceipts are liberal. The high price of than it won to keep the market steader-than it won the keep the market steader-ers' market the price the sec. On the farm-ers' market the price the dealers quote 26 to 35c. At Montreal dealers quote 26 to 15c. At Montreal dealers quote 26 to 15c. At Montreal dealers quote

See to Se. At Montreal dealers quote 210 to 26 for sev laid eggs. Wholesale quotations on dressed popl. I'ry are as follows: Chickens, 15 to 15°, fowl. Its to 13c; turkeys, Eto to 25°, ducks, 12 to 14°; grees, 15 to 15°. On the retail market chickens sell at 20° to 25°; fowl, 14 to 15°, turkeys, 25° to 15°; grees, 15° to 18°; ducks, 15° to 15°.

### DAIRY PRODUCE

DAIRY PRODUCE There is as yet no sign of decline in the market for butter. The market is strong at the quotations given last weekned supply is not equal to demand. We had ter is arriving on the market but so com-pletely have old stock been depleted that has not supply a set of the more shop suff. pletely have old stock heen depieted that the new arrivals are not more than suffi-cient to keep prices down where they now zre. Wholesale dealers quote dairy prints at 30c to 35c; creamery prints, 56 to 37c; solids, 56 to 55c, and bakens' butter at 30c to 25c. Cheese rule at 176 to 17146 for twins and 154 to 176 rol large.

### LIVE STOCK

Exceedingly bad country roads seriously interfered with receipts of catile at the stock graft the past week, and prices in the past week and prices in the bar of the past week and the past bar of the past of the past of the past bar of the past of the past of the past have the same story, declining consum-tion due to high prices. On the final market of the week, choice export cattle to store the past of the past have to first prices. The past of the store of the past o Exceedingly bad country roads





HOLSTEINS

N.B. Having sold all my yearing builts, I am now going to offer the young son of Disone's tod Lulu, the Dam of Lulu Keyes. He is 3 weeks old, light in color, straight and well formed. Price \$125.

E. B. MALLORY FRANKFORD .

Ourvilla Holstein Herd Present offering-Ball Calves, fin our great bull, Dutchland Colantha

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

High Testing Nigger Korndyke la Lynden Holsteins herd. Dan 25.77 lbs. of butter in 7 days testing 43 or cont fat. His Sister, Boutsie Poel

Lynden Hoisteins hera bas 2577 bis of butter in 7 day testing to percent fat. His Sister, bas testing to percent fat. His Sister, T days testing 4.38 per cent fat. Champion 2 yeard ing in Ganada. End your hord, a fat brother to the above size. Also a fat brother to the above size when the size of the size of age. Largest receipt in Canada for a Cow over 10 years of Within 1 mile of stations and see thes. S. LEMON. - LYNDEN. ONTARIO

LIVE STOCK AUCTIONEERS .-- The 8ac cess of your sale depends largely on the man who handles it. Terms reasonable F. H. MCCULLOUGH & SONS, Navan, Ont.



is now offering their e of Registered Holstein Bull Calves furnished built carves rurnismed at red builton prices. Sired by grandson of "De Kol the End's Butter by the Jrd," and out of grandsdaughters d grandsdaughters d gerweld Cold by Kol" and "Biterrig He gerweld Cold by Kol" and "Bit Mutai Ormsby," Safe delivery guaranteed. W. W. GEORGE • CRAMPTON, ONI.

RIVERVIEW HERD offers bull calves from 2 to 10 mos. of SIRED BY KING ISEBELLE WALKER RED BY KING ISEBELLE WALKER hose 5 nerset dames and sister average 18 LBS. BUTTER IN 7 DAYS and ILS s. In 30 days from dames of likewise ceding, at exceptionally low figures, to

P. J. SALLEY, LACHINE RAPIDS, QUL

HOLSTEINS

J. W. LOGAN, Howick (Phone in house.) AYRSHIRF

Three bulls, one rising two are bred from deep milkin First Prize Winners. Good t testing. 4.2 to 6.2. For refere show 22 first prizes won at Fall fairs of the surroundin 25 HEAD

Ayrshire Females

of different ages also Four Pure Bred AYRSHIRE BULLS over one year old From 1st class Milking St These are FOR SALE PETER MCINTOSH, Cass 2 Miles South Winchester



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

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

April 18, 1912. April 18, 1912.

### AYRSHI

## AVDSHIRES AND V

For sale-High class Ay neluding Calves and Bull your orders now for pi March, April and May Non. W. OWENS, or to R

Elver Sido Farm - MOR

Burnside An

Winners in the show a Ganadian bred, for and Long distance phone in

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Ayrshir

Ayrsnir borid's Champion herd protection. Bome young atres, all from B.O.P. or random of Primrose of the lot. Address VeoDDISSE BROS., Tar ROTESAY. ORT

### LAKESIDE AYR

We have a number of i of different ages, all sin ported bull and the main from dams entered or qu record of performano. If the winter we are pr these at attractive prices.

LAKESIDE FARM. PHILI GEO. H. MONTGOME

AYRSHIRES Young YORKSHIRES Aleo different ages. Orders boo Calves. Jan. and Feb., 19 seres on hand. Write er 'phone for pris one for pris

ALEX HUME & CO., Hoard's Station, THE SPRINGBANK HERD

Contain more World's Char butter producers than any America. A few choice by record breaking dams for able prices. Address

A. S. TURNI 3 miles south of Hamilton

AYRSHIRE B

AYRSHIRE B Two April, 1911, builts-cons son of Annie Laurie Srd. 18. milk and 28 the. bust of the time champion -Twitter 0, dam, Annie d'e, MA the milk and of d'e, MA the milk and of the distance of the life of Poidpace (Bit-milk and dS) he busier, the selebrated Ambenehr Univs. W.W. Bat Phone. STR

SUNNYSIDE AYRS Imported and home bre choicest breeding of good been selected for produc young buils dropped this "Nether Hall Good-time" a well as few females of for sale. Write or come as

### April 18, 1912.

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Kol, R. milk, 512 ull bro-R. of P. 525 lbs. e. milk

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### AVRSHIRES

# AVDSHIRES AND VORKSHIDES AYRANHIACS AND YURASMINES For sale-light class Ayrabires, all ages, schuling Calvee and Bulls fts for service, firs pris Torkahire pige, all ages. Send your orders Bow for pige to be shipped is March, Ayrab and of Agor price. St each, degiw, OWERS, or to ROBERT SHIPON Provision Provision

Proprietor Manager siver Side Farm - MONTEBELLO, Que

**Burnside Ayrshires** Winners in the show ring and dairy wate Animals of both serves. Imported a fanadian bred, for sale.

Long distance phone in house.

- - -BOWICE, QUE.

### **Avrshires**

AVTSILLES Barid's Ghampion herd for milk and potetion. Some young buils and buil area all from R.O.P. cows for sale. A praduce of Primrees of Tangiewyid in he id. Address woodDD1518 BR03., Tangiewyid Farm ROTHSAY. ONTABIO

### LAKESIDE AYRSHIRES

We have a number of fine young bulks of different ages, all sired by our im-ported bulk and the majority of them from dama entered or qualified for the record of performanc. To make room for the winter we are prepared to offer thes at attractive prices.

LATERIDE FARE, PHILIPSBURG, QUE GEO. H. MONTGOMERY, Prop.

AYRSHIRES Toung Buils and heif-ere of sood type and YORKSHIRES Also proved Birs. Gerent ages. Orders booked for Spring Alws. Jan. and Feb., 1913, pigs of both Wits er 'phone for prices.

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

THE SPRINGBANK HERD OF AVRSHIRES Int ornanuoana nenu UF AINSNIRES Contain more World's Champion milk and butter producers than any other herd in America. A few choice buil calves from record breaking dams for sale at reason-able prices. Address

A. S. TURNER & SON. Ryckman's Corners, Ont

### AYRSHIRE BULLS

AYRSHIRE BULLUS Tre Arril 1811, bulle-cose as serrer choices an of Annie Leaurie Jrd (H. of P., 7720 lis. milk and 381 les. butter as a 5 year sil, by Lis abampion record producer of P. isJul Hum, Akude Laurie End (H. Other bull-s besaultal son of Kirsky at of Naidpach (H. of P., 11930 lis. ult and 631 lis. butter). G. dam one of Akternaria humorted Cirsty. W. W. BRATFORD, ONT Phone

SUNNYSIDE AYRSHIRES.

SUNNYSIDE AYRSHIRES. Imported and home break, are of the choices breading of good type and have been selected for production. THIMER young buils dropped this fail, stred by "Matter Hail Good-time"-2654(-(Imp.), at will an a few females of various ages. fr sale. Write or come and see.

(Phone in house.) 1-6-1 AYRSHIRES AND AGES Three bulls, one rising two years. These are bred from deep milking stock and first Price winners. Good teats and high tetting, 4.2 to 4.2. For reference I have to how 21 first prices won at three of the fall fairs of the surrounding counties.

HORSEMEN IT WILL PAY YOU 25 HEAD

Ayrshire Females Arshire Feenales Arbard Par Bred Arbar

2 Miles South Winchester Station

forced up prices on mutton. Ewes go at \$5 to \$6; bucks and calls, \$4 to \$5; year-lings, \$7 to \$9; and spring lambs, \$3 to \$7 ench.

FARM AND DAIRY

A.

87 eech. Prices for hogs move steadily upwards. Fed and watered they are quoted at \$810 to \$840, and country points, \$7.00 to \$7.00. Even at this country points, \$7.00 to \$7.00. Even at this country of farmers to go out of hogs owing to hold the breeding feed and quite a harge anomet prices of feed and quite a harge anomet prices of stock is coming on the market.

stock is coming on the market. At Montreal offerings have been light and taken up quickly bucklers on meet present demand. but show no change. Choice steerred in but show no change. Choice steerred for \$37.3, \$4.30 to \$5.50, and com-mon come, \$5.50 to \$5.50, \$4.50 to \$5.50, choice rule at \$2 to \$8 each, according to Choice rule at \$2 to \$8 each, according to cold at \$4.50, to \$50 to \$5, \$1.51, \$3.50 to \$5.50, This is a decline of \$50 from last week's prices. prices.

### MONTREAL HOG MARKET

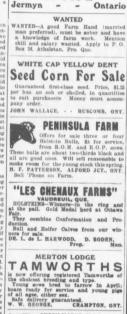
MONTREAL HOG MARKET Montreal, Saturday, April 13--There was a further wirance made in prices paid for live hogs they week, and everything offer-ing was pickie up at 3925 a cwt. for selected lots, up at 3925 a cwt. for selected lots, and do name for drossed hogs and frosh-killed mand for drossed hogs and frosh-killed at 81255 to 81250, with a good steady trade passing.

MONTREAL CHEESE AND BUTTER

MONTREAL CHEESE AND BUTTER Montreal, Saturday.-The new section for cheese has opened up with board meet-ings at helleville, froquois and one or two states and the section of the prices paid ranged from 14 36; et and the prices paid ranged from 14 36; et and the prices paid ranged from 14 36; et al. The section of the devision draws high 14 56; was paid at individual factories the factor of the certainly higher than the British marker warrants, and no douth have been poid with a view to the requirements of the local trade. Oable advices from Great Britain Indicate a lower market for new chose than was generally expected, and Britain indicates a brave matter of new observations of the second second second second is due to the fact that weather conditions there are away shead of normal, and the physical second second second second second physical second second second second second physical second second

very much lower prices to rule when marigation opens, the beginning of May. The entire attention of the trade has been given to the butter market during the past week, as the factories, wherever estate in how been making butter and re-rapidly. As the market been increasing rapidly. As the market been increasing rapidly as a startady everything offering version of the startady everything offering version of the startady everything offering they do go beyond thin over 80c, and 10 they do go beyond thin over 80c, and 10 they do go over the part of 10 be due to competition on the part of 10 be due to competition on the part of 10 be due to competition on the part of 10 be due to a very a start as a start wholesale way, and deniers at 80 in a sing from hand to mouth in anticipation of lower prices and this in their stocks are very maall, as dealers are not allowing butter state of allow in the goods for well be prepared to store the goods for mail, as denire as: to accumulate in their stores, and the state of arms will continue until prices set down to the point at which dealers will be prepared to store the goods for speculative purposes or until there is an opportunity of exporting the goods to opportunity of exporting the goods to

> TO TELL OUR **Dairy Farmers**



STOCK MARKS. Metal ear tags for cattle, sheep and hogs. A splendid suffguard against bother and loss. Sample and circular free, write for them. F.G. James, Bowmanville, Ont.

**CHOICE AYRSHIRES** Are Bred at "OHERRY BANK" A few young bull calves for sale. Write for prices. P D. McARTHUR, North Georgetown Howick Station on G T Ry. Q

HOLSTEIN BULL Fit for service. King DeKol Pride 12085, calved April 14, 1911. An extra fine

young bull, straight as a string and very large. Fit to go anywhere and cheap at the price, \$50.00. FARM & DAIRY, Peterboro, Ont. ALFRED HUTCHINSON, Mt. Forest, Ont.



G. A. BRETHEN, Norwood, Ont.

ABEO FORTE CAMENESS Forth & Loos Rawin, Bing Hone, from a loos Rawin, Bing Hone, the second second second second the second second second second second second the second second second second second second the second second second second second second second the second second second second second second second second the second second second second second second second second the second s

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Bella direct to buyers at factory prices. Iron and Wire Proce, all styles: (nase: particle collect and plain wire; Bisaple: I save you big money, sive you base fending and quick service. Here are aam ple price: All No. 9 Pence 9 strands. We'l strands. So: 7 strands. So per rou-be at the service of the service of the service set. If you in the service of the service of the ple price: All No. 9 Pence 9 strands. Service 1 strands. So: 7 strands. So per rou-be at the service of the service of the service of the ple price of the service of the service of the service of the ple ple service of the service

## DYER THE FENCE MAN TORONTO Seed Corn

We have 4,000 bushels of Beea Corn-leading varieties grown in Kent County, and cured in our own cribs, which we will sell in small quantities - on the cob or

Dent varieties .... \$1.40 per bushel Flint "..... \$1.75 "

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MONEY REFUNDED IF NOT SATISFIED M. W. SHAW & CO.

Jeannette's Creek, Ont.

### FARM AND DAIRY

-**OUR FARMERS' CLUB** Correspondence Invited Correspondence Invited PRINCE EDWARD ISLAND.

KING'S CO., P. E. I. CARDIGAN, April 4 .- Winter is still with

CARDIGAN, April 4-Winter is still with us. YesterGay was very stormy and a lot of enow fell. Winter work is about com-pleted. There has been large quantities of fodder handled here this winter. Har, 856; straw, 82 Btock have wintered fairly well. There are a lot of fat cattle on the markiet now-830 to \$00 a head. Horses are in good demand-H, P.

The set is good the set of the se

dd again. Sugaring has started, although cold again. Sugaring has started, although there has not been much sugar or syrup made up to date. Feed of all kinds is high: Hay, 80: to \$11 at on: short, 50; bran, 80: potatose sonree: butter, 300; bran, 80: beef about the same; pork, 10:1-20 dressed. The roads are bad; bare in some places. M. D. B.

### ONTARIO

CARLETON CO., ONT.

CARLETON CO., ONT. BRITTANIA BAY, April &-The heavy rain on the 7th second to completely break up the selegings. As a result roads are bad. The price on the market for pro-duce has had a rapid rise. Oats, 56c; hay, 515; eggs, 25c to 55c; butter, 36c; polatoes, 81.59; barley, 56c to 56c-J. D.

### PETERBORO CO., ONT.

FILEROWG CO., UNI. SOUTH DUMMER, April 1.-There will be about the same number of cows as last year. I do not expect much increase in flow of milk unless the pastures are better than last year. Cows are in about the same conditions as last spring.-E. G. Stephens. of this place has a fine sugar 500 second growth hard maple has a champion evaporator.

### WELLINGTON CO., ONT.

WELLINGTON CO., ONT. PERGUS, April 10.-We are having a very backward spring. Friday and fastur-day last being the first warm days. They took away the snow quickly, causing the greatest flood in years and doing a great deal of damage. Some farmers are mak-ing mania grups that senses as to mak-

QUEBEC. RICHMOND CO., QUE. DAVILLE, ADVILE, ADVILE,

You get more than paid, if you use your Cultivator steadily to mulch root crops, beans and corn from the very beginning. You need one of these implements for corn especially. The high axle construction allows continued cultivation until very late. Guard plates are provided so cultivation

may begin the moment shoots appear above the ground, and narrow, medium and wide points meet every condition for which you need a Cultivator. Remember you cut down hoeing, and save time, with a Corn Cultivator.

### COCKSHUTT SPRING-TOOTH CULTIVATOR

This is a prime favorite for cultivating root crops, espec This is a prime favorite for cultivating root crops, especially those planet for routivation of the planet of the

are reversible; that means de weeda.

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Here's an implement with a fine record as a Corn and Root Cul-tivator. Can be used as a Field Cultivator by the addition of a centre section, easily bolted into place. As a Corn Culti-vator it has two sections, each independent of the other. See vator it mas two sections, each independent of the other. See the stirrups for operator's feet—and the way each section can be adjusted by him when cultivating uneven rows. Azies are also adjustable—can be regulated to work in any width of rows. The New American is well made throughout and particularly easy to handle. Is equipped with corn shields, and narrow, medium or wide teeth, so all kinds of cultivation can be done. Bean Harvester attachment supplied at a small extra cost

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COCKSHUTT PLOW CO., Limited, BRANTFORD, WINNIPEG. In Eastern Ontario, Quebec and Maritime Provinces by The FROST & WOOD CO., Limited, Smith's Falls, Montreal, St. John

### WATERLOO CO., ONT.

WATERLOO, April 10.-Spring has at last in real earnest. Stream at last in real earnest. Stress rivers were swollen to such an o has never been seen before. In h a large number of houses were ITN and an extent as dgeport indeal. done are p

has never neen never never sar-a large number of houses wer-but no very serious damage w "Rass running" and a number, "Rass running" and a number, "I do 81.60 a gallon. Fat esti-ling out at quite satisfactory p; few spring horse shows are being from the second second second second fat disappearing. Many have con-fat disappearing. Many have con-fat disappearing. Many have con-ded with Phony, then is fairly we ed with Phony, then is fairly we ed with the being prepared coming aummer. The assessor-coming aummer. The assessor-tion of the second coming summer. The county are taking a cer DATE OF this year. Rag weed is the weed to the assessors as becoming es of a nuisance.-R. G. S.

### ELGIN CO., ONT. TALBOTVILLE, April 10.-Mr. E Be

has a champion exaporator, time, wide by ten feet long. The argument him that if he would buy the Grunn p. In mose that properly goes with the data pion that they would guarantee that ould exaporate one gailon of O.K. arg an hour, if good wood was used in g furnace. Wr. Berdan and his boys here argument on their old arch that been in use for 50 years, and with a range roots, stumms and brush, gun range, roots, stumms and brush, gun class and the start of the start of the stallon every 45 minutes for nine while gailon every 45 minutes for nine while

Can any syrup maker do hotter

Berdan would like to hear from the

HURON CO., ONT. BLYTH, April 2.-There are to

HLXTH, April 2—Three are to be as spring shows in the country. They as nuually largely attended. The fat can are being shipped weekly at top pres Good export eattle selling for 86.75 hg. 5.50; butter, 30; eggs, 25c; while po toes are quite high and good apples as hard to get.-R. R. 8.

Stati

GREY CO., ONT. BAVENNA, April 4.-A week needay a large shipment of hogs tle were shipped from Thornbuy hogs, \$7.35; cattle, \$5 to \$6.50.

nogs, \$7.30; cattle, \$5 to \$6.50. three different parties from the shipping horses. Prices range f to \$200 and over, according to Eggs have taken a drop to 20c butter is 30c. Very few fowls ar on the market.-O.P.

man man man **BOLSTEIN-FRIESIAN NEWS** 

Farm and Dairy is the official of The Canadian Holstein - Fr Association, all of whose me are readers of the paper. Memb the Association are invited to items of interest to Holstein by for publication in this column.

Editor, Farm and Dairy,-My olsteins was fairly well atten

Holiteline was fairly well attended, the prices realized were a fair aver Tab Highest price was \$15, for a to \$10, for a second second second to \$15, for a principal buyers were \$7. Cockburn, Hamilton; Carman Har Vanessa; Robert Shnuk, Branford We wish to thank the Parm and he who so ably sessited in making the a success. It certainly is the oper-tion of the second second second second Wellscorffle. On the version in -C. C. for

NEWS FROM CANAAN FARM Editor, Farm and Dairy,-I have h ed that a daughter of my bull. L Judge Akkinm DeKol, has just made

Judge Akking DeKol, has just make it lies, of milk in a day in a Record of fer official test. I have counted in a block of the second of the second of the official test. I have counted in a second for Record of Merit. There are off a volume of Herd Book published. Our her 829 there are only four cover, anal the 829 there are only four cover, and the 829 there are only four cover, and seven days: Sara Jeve, Herbergher and Sold has: Fergereen March, 849 [In https:// Sold. Has: Sold. Has: Fergereen March, 849 [In https:// Sold. Has: Fergereen March, 849 [In

seven days: sara Jewel Hengeret a 660.4 lbs; Fergreen March, 684 9 lbs; B Echo, 653.7 lbs. The sires of these are all dead, so it my buil is the only buil in Canada is of that has a daughter in Record of Me making 90 lbs. milk a day or over it official Record of Merit test (seven day

Wilsonville Ont

ana C. C. KETTLE'S HOLSTEIN SALE

Mr

J. E. O.

day and produce a daugh of 110 lbs. in a day. Hi eleven daughters that a his sire. DeKol Creameli produced a daughter in a day and 780.4 ll produced a daughter in a day, and 780.2 ll which are world's records orchar,ou daughter. Thurit will be seen the of ancestry on both sides

April 18, 1912.

That is going some. TI only high milking daugh Mr. P. J. Salley tested a ter of his, not quite two went 59 lbs. a day. And 1 have just bought a him that I think is the Canada, when we consi from a milky point of

as had either when we co

We have gone wild over sutter fat. We must re-ser cent of the milk to-d itter fat is really of lit is milk for

My new bull is Dutchla

antha. His grand-dam, the first cow to give 10

as and produce a daugh

going some. Th

milk records world's milk records. His dam is a great pro-of a long line of heavy p sides. She is a grand-d world's champion yearly olantha 4th's Johanna. 27,422.5 lbs. stands unap closely unites the blog Johanna Lad, Pontiac Ke

veld DeKol and Pieters Count DeKol.-F. E. Came St. Lambert, Que. A LEADING HOLST

### Concluded from la A third daughter of t Aaggie Schuiling DeKol, Record of Performance to milk and 410 lbs, of butte

Aaggie Mercedes, a four four years of age, estal day record of 622.65 lbs. lbs of butter, and a 30-da lbs of milk and 110.86 lbs. is said to be the highest is said to be the highest; old record yet made in O fine large animal, and s ing. She is clean in fro out to unusual width beh out to unusual width beh top-line denbtes strength while her hindquarters pr room for her large, we The prospects are that at already high record. As already high record. As de produced 11,800 lbs, of of butter fat. The followin this record by producing milk and userly 500 lbs, of Some of the formed

Some of the Grand-A grand-daughter of Ne Aaggie DeKol Schuiling old. She is a larger cow Netherland Aaggie DeKol

SEED BARLEY A

A small quantity of Si to ner hus 0.A.C. No. 21 Barley at uded. Clean pure stock

ALFRED HUTCHINSON. M

How to Complet n stock allments is in FLEMING'S ST POCKET TERINARY VISER, Wewill 6 HEAV pipe troub is really stomach de which, th nerves, p Fleming Heave FLEMING BROS. . 83 Church St., Toro



THE ANA odel are pr

012.

If new bull is Dutchland Pieterije Col-atha lite grand-dan, Changeling, was he first ow to give 100 lbs. milk in a day and produces a daughter with a record of 100 lbs. In a day. His sire's sire has deven daughters that average over 100 lbs. milk each in a day. One sister of has sire. Defoid Creanelle, grave 1136 lbs. This is day a daughter the sever days which are world's records for mother and angelter. sile

Berd č

augh

Thumit will be seen that his sire com estry on both sides that have made

world's milk records. His dam is a great producer, and comes of a long line of heavy producers on both sides. She is a grand-daughter of the world's champion yearly milk producer, Colantha 4th's Johanna, whose record of Heavy Statement and the statement of the

Colantha 4th's Johanna, whose record of 7425 ths stands unapproached. He closely unites the blood of Colantha Johanna Lad, Pontine Korndyke, Henger-weld DeKol and Pietertje Hengerveld's Count DeKol.-F. E. Came, Canaan Farm, 8: Lambert, Que.

milk records.

WS

Is of milk and 1068 has of butter. This is said to be the highest junnor four-year-eld record yet made in Ganada. She is a fise large animal, and shows her breed-ing. She is clean in front, and widens out to unusual width behind. Her strong while her hindrunaries provide pienty of while her hindrunaries provide pienty of while her hindrunaries to show and the already high record. As a two-year-old her produced 11,000 hes of milk and 600 hes of butter fat. The following wear he head

of butter fat. The following year she beat this record by producing 13,443 lbs. of milk and nearly 500 lbs. of butter fat. mink and nearly 500 lbs. of butter fat. Some of the Grand-daughters A grand-daughter of Netherland Aaggie is Aaggie DeKol Schuiling, now five years old. She is a larger cow than her dam, Netherland Aaggie DeKol, but of much

SEED BARLEY AND OATS A small quantity of Siberian Oats at Sc per bus. O.A.C. No. 21 Barley at \$1.25, bags in-cluded. Clean pure stock from selected

ALFRED HUTCHINSON, Mt. Forest, Ont. How to Completely Cure HEAVES s really caused by comach derangement, hich, through the erves, affects the erves, affects the erves, affects the comach is put right and the whole system and up be

toned up by Fleming's Tonic Heave Remedy repaid for \$1.40 per package. Tack if any of Fleming's Bemodies what we claim --you to be the judge.

FLEMING BROS. - Chemists, 83 Church St., Toronto, 8

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 April 185, 1912.
 FARM ANI

 Tat is going some. This one isn't they with milling daughter has either, they had been an either. They inst bought a built to success the second of 1.48 thes. In the same type, throughout. Here mills and the possesses dairy type throughout. Here mills the second and they had been are accessed and the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 26.08 these of the second of 1.48 these of mills and 27.08 the of the second of 1.48 these of mills and produce a daughter with a record of 1.48 these of mills and produce a daughter with a record of 1.48 these of mills and produce a daughter with a record of 1.48 these of mills are the second of 1.48 these of the second of 1.48 the has other eisters coming on. A second daughter of Aaggie DeKol Witzyde Aaggie DeKol Mercedes. There is also ia

Aaggio DoKol Mercodes. There is also a yearling heifer and a calf out of Nether-land DoKol Witzydo. The third daughter of the old cow, Aaggio Schuiling DoKol, has a second daughter, ayearling in calf, and her fourth daughter, Aaggio Mercodes, has a yearling heifer in calf, also a heifer calf.

Another grand-daughter of Netherland Anothor grand-daughter of Netherland Aaggie, out of Aaggie Schuling DeKol, is Woodland Queen DeKol, a three-year-old This is a grand large animal, possessing all kinds of constitution and dairy poo

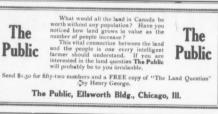
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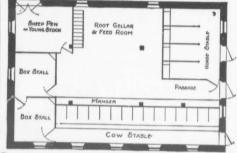
fat. On the adjoining farm, owned by Mr. Van Patter, our editor saw a fine lot of light-colored heifers. They included 10 yearlings, which were vigorous and thrifty looking and a credit to the herd. Two of these heifers were sired by Duich-land Colaratic & fat Abbeicht, and the rest by a son of Netherland Aaggie DeKol. One of the principal sires used in this herd was Woodland Sarcastic Lad, pur-

herd was Woodland Sarcastic Lad, pur-chased originally from J. W. Richardson, of Caledonia. This bull was used in the herd for four years, and has left a num-ber of fine heifers, four of which have passed the Record of Performance test with good margins to spare, and there are over 29 ronner ones coming on, that will be tested as they freshen.

The present herd bull is Sarcastic Mer-cedes Lad, a two-year-old. This is a fine upstanding rangy bull of a pronounced milky type and masculine characteristics. upstanding rangy built of a pronounced milky type and masculics characteristics, of which should prove their merit as the pail. He is sired by Woodland Barcastic Lad and is out of Anggie Moredes, a 37-1b. helfer. At the time of our visit the young stock included three of his helfer calves, and colorito, howeved his characteristics black, and being straight and promising. A number of the females of the herd, closely related to this buil, have been bred to Dutching dolatant Bir Abbekerk. There were also five built alves in the having yearly records ranging from 14,000 to 15,000 lbs. of milk. As will be seen by the foregoing, this

As will be dealer by the foregoing, this herd is note of smatron part, as regards the passession of smatron part, as regards by larger records, that there is in Ganada. Mr. Van Patter has several sons, including (Darlis, John and George, all of whom are much interested in the herd, and as started in Holsteins, more is sure to be hard from this herd in the future. An-other of Mr. Van Patter's sons, Hugh, is other of Mr. Van Patter's sons, Hugh, is other of Mr. Van Patter's sons, Hugh, is he to other who harkling, which amount-prizes 270 acres, and as he is situated maar the Ayimer Gondenaary, he is for-prizes 270 acres, and as he is situated and the he is able to get good prices for his milk. As will be seen by the foregoing, this





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FARM AND DAIRY

YOURS, F

ORTLAND

April 18, 1912.

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