

FARM AND DAIRY

November 14, 1912.



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owing Simplicity and Accessibility Removing the body of gearing. Housing exposes the gearing and lower bearings of the Simpley. In preference to all other Cream Separaters is because the "Simplex" is a

Prefer

So Simple So Easy to Turn So Easy to Clean So Perfect in Skimming So Quick in Separating So Pleasing in Appearance Self Balancing Seldom out of Repair Seon Pays for Itself LASTS A LIFE TIME

There are other advantages in favor of the "Simplex." These are explained in our literature, which will be mailed to you free on

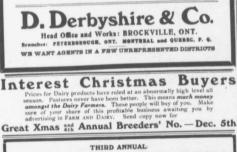
request. The ease of running, ease of cleaning, simplicity, self-balancing bowl, interchangeable spindle point, low-down supply can, the general pleasing appearance, and the perfect skimming of the

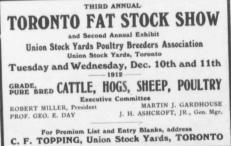
"Simplex" make it the favorite everywhere it goes.

Then, too, our large capacity machines, so constructed that they urn more easily than most other separators, regardless of capac-ity, will enable you to separate your milk in half the time. This is a great advantage it will pay you to enjoy.

> Bear in mind we allow you to prove all these claims -since "Proof of the Pudding is in the Eating."

Write to us for full particulars about the "Simplez" and our special terms to you to use the "Simplez" and represent us locally in your district.







WHERE WILL IT ALL END?

A Visit to the Nova Scotia **Agricultural College**

The growth of the Nova Scotia Ag-icultural College during the few ears of its existence is indicative of radius and the set of the set of

The demands of the work have the tirely outgrown the buildings origin-ally provided. Two years ago a new dairy building, splendidly equipped for demonstration and lecture work, was erected near the main building. was erected near the main building. This year, a horticultural building is being added. The main huilding itself, which previously provided ac-commodation for every department, is being enlarged, in fact, almost dou-bled in size. bled in size

LIVE STOCK RECEIVE FIRST ATTENTION

Live stroke measure rates rates to a third at this Maritime college is the stock end, and rightly so, as all who are actimated with agricultural conditions in Nova Scotia and the other Maritime provinces must agree that the colly successful and permanent agriculture on the rather light soils of

Nova Scotia, must have as its basis live stock. The farmers of the pro-vince are giving their first attention to dairying and this is the branch of the college farm. We found our old friend, Billie Ret-son, still in charge of the cattle barns, and perfectly certain that the herd under his charge was making into Ontaxia. The college has a sple-did herd of Holsteins that has the star-tist of any other herd in Catalon be ranked with the bot and the Jersey is well repressible that has on her and the scharge was the best herd in the scharge was making that of any other herd in Catalon be ranked with the bot and the Jersey is well repress Shorthoms and Her-fords are kept with the dairy breeds. The tables have been recently re-modelled and fitted in the most up-cider and increased. date manner, and their capacity considerably increased. A splendid new horse barn, cost-

ing \$7,000, was in course of erection. ing \$7,000, was in course of erection. The college has done much for the horse interests of the province and many of the pure bred animals found through Nova Scotia are either bred at the college or imported by the col-lege authorities. Drait horse bred-lege authorities. Drait horse bred-to for the second second for lege authorities. Draft horse breed-ing is a line that is advocated for farmers, and splendid specimens of the Clydesdale breed were seen in the stables. Stallions are also kept rep-resenting the Hackney, Thoroughbred and Standard Bred breeds.

CROPS ON THE COLLEGE FARM

The season in Nova Scotia, as in The season in Nova Scotia, as in the rest of Canada, has been exceed-ingly wet. The soil on the college farm, however, is quite sandy, and they harvested the best crop of grain in their bistory, the field oat crop threshing out well over 60 bushels in the acre. Roots also were in sp0-link the oron foots also were in sp0-link the oron for wrongress of the college (Continued on page 11)

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RURAL HOME

FARMAND DAIRL

No. 46

SOME FUNDAMENTAL REASONS FOR THE DEPOPULATION OF OUR COUNTRY DISTRICTS

By H. B. Cowan, Editor-in-Chief of Farm and Dairy

Rural Depopulation Continues to Increase in Spite of Efforts to Prevent it. So Called Remedies that Do Not Work. The Real Reasons.

Our System of Taxation at Fault. How Speculation in Land Keeps People Off the Land. The Effect in Country Districts. The Remedy.

HAT are the main causes of rural depopumodels and that in spite of all the money that is being spent to encourage immigration to this country, to extend the work of our departments of agriculture and of our agricultural colleges, to establish experimental farms, demonstration orchards, seed growers' associations, as well as the appointment of district representatives and other similar lines of activity intended to benefit the farmer, the rural populaton of Ontario has decreased by upwards of 100, co00 during the past 10 years?

SUGGESTED CAUSES

Some say that we need better roads, and free rural mail delivery. This, however, cannot be the explanation, for we find that rural depopulation is even more pronounced in those European countries and in the Eastern States where there are the best of country roads and where rural mail delivery is practically universal.

Others say that we need better country schools. These abound in sections of the United States where modern consolidated schools have been established successfully, and in which the teaching of agriculture is emphasized, but rural depopulation continues in these sections with alarming rapidity just the same.

Some blame the middleman, but we now know that practically without exception modern business is conducted on a basis where the profits are made by doing a large volume of business on a low margin of profit on each article handled. This is what has made it so difficult for cooperative enterprises by farmers to succeed, and explains why thousands of small business concerns fail.

THE REAL CAUSES

For ten years I have been interested in this subject. For the past four years I have been giving it special study. During this period I have examined the effect of proposed remedies where they have been tried, as well as into conditions as they exist not only in different parts of this country but in the United States and other countries as well. As a result of these investigations I have come to the following conclusions:

Rural depopulation in Canada is due in part to certain tariff regulations which bear with undue hardship on the farmer:

It is due in part to the monopolization of our great natural resources, such as our coal mines, timber limits and water powers, the monopolization of which has enabled small classes in the community to enrich themselves at the expense of the many, including the farmer;

It is due in part to the pr. ate control of our great transportation systems, with their enor-

mous and often inflated capitalizations, which unduly increase the cost to the public of doing business;.

But above all it is due to our system of taxation which both in the city and on the farm encourages men to hold land idle for speculative purposes while it discourages men from putting it to profitable use.

Partly as a result of our system of taxation, land in portions of our cities, like Toronto and Montreal, has increased in value until it is worth from a few thousand to several million dollars an acre, depending upon its location. These enormous values have so increased the cost of doing

Something to Think About

Every person who has the cause of agriculture at hart is interested in the question of rural depopulation. We would all like to knew its cause. Many explanations have been given. Most of these are being discarded, because it is becoming apparent that the real ressons lie deeper than has been commonly supposed. In the article that appears on this page,

In the article that appears on this page, an effort has been made to draw attention to some of these reasons. The subject is a broad one. Lack of space makes it impossible to deal with it more fully. We trust, however, that enough has been said on it to lead the readers of Parm and Dairy to look into it more fully, and with open minds, for themselves. If they will, we venture to predict that ultimately they will come to the conclusion that the principal causes of the dent been here set forth.

business in our cities that it affords the main explanation of the great difference between what the farmer receives for his produce and the price the city consumer pays for it. The greater part of this difference does not go to the middlemen, as we have so often been led to suppose, but to the people who own this high-priced city land.

In our country districts the man who improves his farm by erecting better buildings or planting an orchard, has his taxes increased, even when he has had to borrow the money used to make these improvements, while the man who permits his buildings and farm to run down has his taxes reduced.

THE REMEDY

The remedy will be found in a gradual shifting of taxation from improvements to land values. This will discourage the bolding of land idle, both in the city and on the farm, and will encourage the making of improvements, as the manufacturer will then know that when he erects a building for a factory he will not be taxed for so doing just as the farmer will know that when he erects a barn or a milk house his taxes will not be increased thereby.

The farmer has nothing to lose and everything to gain from such a policy. While he holds large arcas of land it is of low value when compared with the value of iron and coal lands, timber limits, water fronts, railway rights of way, water powers and valuable city property. The land in the city of Winnipeg alone, it was recently announced, is worth more than all the farm land in the province of Manitoba. United States Government statistics indicate that while the farmers of the United States, own considerably over half the land in the United States, this land represents only one-tenth of the land values in the United States.

A GENERAL AWAKENING

All over the world a general awakening to these conditions is taking place. Great Britain, Germany, New Zealand and Australia are leading the way, but our own western provinces are playing an important part. In Alberta and large portions of British Columbia, including the cities of Vancouver and Victoria, all taxes have been taken of improvements and placed on land values, and the people are wonderfully well satisfied.

In Ontario this week there is meeting a special committee of the Legislature to consider two Bills, one introduced by a Conservative and one by a Liberal, which propose to give municipalities, by a vote of the ratepayers, the power to lower and eventually abolish all taxes on improvements, while increasing them on land values. Should either of these Bills be adopted much will have been accomplished to decrease rural depopulation.

LAND SPECULATION EXPLAINED

Rural depopulation in the United States has reached such proportions it is creating a serious condition of affairs. Several states have appointed commissions to investigate and report on these conditions. More and more these commissions are being led to study the prevailing systems of land taxation. Far reachings results are likely to follow.

A few months ago Mr. L. S. Heron gave evidence before the Nebraska Rural Life Commismission. Mr. Heron is the editor of the Nebraska Farmer, a farm paper that has among its subscribers some 40,000 of the best farmers in that section of the United States. The subject of land values, as they apply to the farm, was dealt with very fully by Mr. Heron, and in such an able manner, that I take pleasure in drawing a portion of it to the attention of the readers of Farm and Dairy. After drawing attention at considerable length to the decreasing rural population, the increasing size of the farms, the diminishing productivity of the land, and the great growth that was taking place in the number of ter ant farmers in the state, Mr. Heron proceeds in part as follows:

"I am here to say that the reason for the exodus from our farms may be found in the price of land. It is the eternal land question that Moses dealt with centuries ago. The speculative value in land is what is forcing it into larger holdings, and crowding young men out. Let me explain :

"Prosperity is always reflected in the price of This is a matter of such common observaland tion that I need scarcely dwell upon it. For instance, if he price of alfalfa goes up to \$10 a ton from \$5 a ton, and stays there more or less steadily, the price of alfalfa land will go up in proportion. Increased prices for any product of the land is reflected at once in increased land

It has been prices. urged that a good elevato: cooperative ought to be established in every town, because it would increase the price of land. Anything which tends in any way to increase the profitableness of farming is immediately reflected in the higher

BASIS OF PRICE

"But generally when land increases in value it goes a little beyond the figure warranted by the increase in earning capacity. Let us look at this matter of the price of land a bit. The price of land is based primarily upon what it will produce annually. Thus if a piece of land is capable of producing a return of \$5 per acre over and above the cost of culti-

vation, then if the going rate of interest is 5 per cent., the land is actually worth \$100 per acre on the basis of production, because it will pay 5 per cent. interest upon that valuation.

"But supposing that the man who owns the land chooses to credit nearly the whole crop to the land and does not give labor and other expense proper credit. Then the credit of the land would be more than \$5 per acre, and the value of the land would be placed above \$100 per acre.

"In Nebraska, and everywhere throughout the country, we have a way of crediting nearly all the return of a farm to the land, allowing almost nothing for other investment, such as machinery and equipment, or for labor, and capitalizing our land values upon that basis. In the case of land giving a return of \$5 per acre over and above a reasonable allowance for all expenses of operation the return per acre is sometimes made to appear larger by failing to credit labor and other items properly. Thus the return appears to be \$6 per acre instead of \$5, and upon that basis the land is valued at \$120 per acre. This is inflated value. A great deal of Nebraska land is inflated in price just in this way.

SPECULATIVE VALUE

"Finally, while a piece of land is producing a return of only \$5 per acre annually, the owner may look forward ten or twenty years and see a time coming when owing to increased population. that makes for higher prices for produce, or because of expected agricultural improvement, the income producing capacity of his land will be more than \$5 per acre annually. So he shoves up the price on this future possibility. This is speculative value pure and simple. When there is an active demand for land for use or speculative purposes, this speculative value in land becomes very great. Nearly all Nebraska farm land is loaded down with it now, as evidenced by the fact that farmers everywhere are declaring that upon present valuations for their land they are

not making a fair rate of interest, especially if they allow any reasonable amount for their labor and that of their families, and a reasonable rate of interest on investment in equipment.

"The December Crop Reporter, published by the United States Department of Agriculture, contains some figures which illustrates the trend of speculative land values very nicely. According to investigations made by the bureau of statistics at Washington the produce of the average acre of farm land in the United States in 1910, would buy 54 per cent. more of the things purchased by



This French Canadian Horse Presents a Most Pleasing Study

this French Lanadian torise freeents a Most Freeening Study There is a wide diversity in the type of the French Canadian heres. Some i cline to be thick set and heavy. Others approach more nearly the type of th Standard Bred. Of the later type is the stallion here illustrated, which was e biblied by Arsenio Barthier Co., Que., at Three Rivers this year. Noti the splendid conformations attractive carriage and great constitution (an indic tion of endurance) of this representative of our own Canadian breed. the Notice (an indica

farmers than the product of an acre in 1900. Thus it could be said that between 1900 and 1910, owing to a more rapid increase in the price of farm products than of other commodities, the farmer became 54 per cent, better off. This would warrant an increase in land prices of 54 per cent. Did it occur? Yes, and more too, and that is the point I want to make. While the prosperity of farmers in the United States was increasing 54 per cent., the price of land in the United States, according to the census bureau, increased 109 per cent. Thus the price of land increased more than twice as rapidly as the actual return from the land. The difference between 54 per cent. and 109 per cent. was speculative, based not upon an actuality, but upon future possibilities.

EFFECT OF SPECULATIVE VALUE

"I say it is this speculative value in land that is driving people from the farms. It is very generally agreed that at the present capitalization of land in Nebraska farmers are not making interest upon their investment if they allow themselves decent wages, and do not credit the whole crop to the land. If this is true, then how can the poor young man buy land and pay out on it? It is frequently said that it is as easy for a young man to buy land now and pay out on it as it was years ago. I do not think so. I believe that the increased demand for land that has come about through the exhaustion of the free land supply has put more speculative value into land than it had then. In so far as the increased price of land represents increased capacity for annual returns it would be as easy to buy land now and pay for it, at any figure, as it was when the land was very cheap; but when a large portion of the selling price is not based upon actual or possible present returns from the land, but upon future possibilities, then it becomes a different matter, and makes the burden of buying it too great for the poor man.

(Continued on page 20)

November 14, 1912

Loss to Corn from Shocking

Henry Glendinning, Ontario Co., Ont. Instead of cutting and shocking corn, why don't we put it in the silo? Experiments ried on at the Ohio Station show a loss of 37 per cent. in feeding value from the time corn is cut until it is fed from the shock is if we cut \$100 worth of corn, we feed only 803 worth. If we were to borrow \$100 from a neichbor and he were to charge us 37 per cent, interest, we would call it extortion. But we are wating money in just the same proportion when we refuse to invest in the silo.

Even when corn is put in a silo there is some loss. Not only does the corn deteriorate at the surface, but there are chemical changes taking place in the silo. But this loss only amounts to about 10 per cent.

The plant food that goes to feed the corr crop is thus made into starch in the leaves is then turned into sugar and carried to all part 1 of the plant, and finally it is made into woo fibre. Here it is that the big loss comes shocking corn. This life process continuego on in the shocked corn and valuable food changed ito indigestible fibre. In the silo the process is carried on also, but to a very limited extent.

The Work Horse in Winter

J. McLaughlin, Ontario Co., Ont. The hard outside work of the season is now over, both for ourselves and our horses. During the past few months great demands have been made on the energy of our horses. These demands have necessitated good feeding, and we have given it. We used to take care, however, that as the work slackens the feed is slackened also. If we were to continue feeding this month as we have been accustomed to doing we will be giving more food than the animal can make use of. It. system will get loaded up with nutriment, and this will turn to poison and have a most detrimental effect on the animal's system. Consti pation, which is so common with farm horses at this season, is due almost altogether to this excessive feeding

There is danger, too, in going to the other extreme. I know of farmers who, the minute work stops, cut the grain ration down to the vanishing point and make timothy hay the main feed for the rest of the winter. They forget that the horse's system has been accustomed to liberal feeding, and that the sudden change is too great a shock to the digestive system.

Excessive feeding now or any sudden change in feeding is particularly detrimental to mares due to foal next spring. With them we exercise the greatest care in changing both the food and the exercise. We would make work for them rather than slacken up sudenly.

We curry our horses almost as regularly in winter as we do in summer. On too many farms the boy's driver is the only horse that gets treated right in the matter of cleaning. A clean, healthy skin is as needful to the horse as it is to its owner.

Then there is the cesspool into which the semage is drained and allowed to seep away. This method is probably the cheapest, although aside from this factor it has little to commend it There is great danger of the cesspool breeding diseases or contaminating the water supply in the well. Then, too, if there is much grease in the sewage there is danger of the walls of the cesspool becoming so thoroughly coated as to prevent the escape of the water, and thus in time causing its overflow. Lye may be used to cut the grease from the walls, but even then there will be difficulty, since solids will deposit in the cesspool and they must be removed on occasion .- T. R. James, Middlesex Co., Ont.

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Management and Feeding for City Milk Production*

R. R. Ness, Chateauguay Co., Que. In this line of dairying, city milk production, as in most other lines of business, the management makes all the difference between a profit, a more living, or a loss for one's hard labors. By hard labor, I do not wish my readers to understand that this line of farming is any harde; than other lines. We admit it is more binding and necessitates closer attention all the year round to make it a success than most other lines of farming. As a recompense for our attention, there is continually something coming in return In city milk production, we should all breed more of our own cows. Too many have discarded breeding and rely on buying in cows when needed to keep up the supply. We have found the preeding end most profitable to us, and I feel re that every farmer, even with good grade Qes and a pure bred dairy sire, could make breeding pay by keeping the females from his hest cows. This part of the work is most interesting and instructive, and will be found by using the scales daily and the Babcock tester accasionally, to increase the yearly returns of the

MANY ADVANTAGES FOR FALL FRESHENING

We should plan to have our cows freshen at a time of year when milk is highest in price. This has been our practise for some years. We have our cows, if possible, freshen in September and October, as our milk price rises on October 1st, and we get seven months of high-priced milk from our cows. We also find that we can keep our cows up to a full flow better for those seven months than cows freshening in the spring. When our fall calved cows come to grass they will do almost as well for two months as will those freshening in the spring. Another point that leads us to favor fall calving is that we get our cows dry at the time of year when flies and dry grass would hinder them from doing their best. We then have all hands to turn to farm operations, having and harvest, when atra help is very scarce and expensive.

Let us then look well into our equipment and arroundings. It pays in every case to have our stables commodious, well lighted, well ventilated, roomy, and convenient in all respects. We should have our stables an attractive place that we enjoy being in in order that we may take comfort and pride in doing our work. Such stables are almost necessary in the production of a good product for city consumption and to the

SOME PRINCIPLES OF FEEDING

To make sure of our profits, the feeding of a ood dairy herd requires much study and attenon. The scales should be used, both at milking and feeding time. The values of the different feeds must be taken into consideration to arrive at what feeds to use. For roughage, where corn in he successfully grown, no food equals silage, allowed with roots and clover or alfalfa. (With alfalfa has not yet been successfully grown.)

a the actual feeding, we have found it best for be production of a good article to do most of he feeding after milking, particularly in the se of ensilage, as milk will take in odors or ist while being drawn, and thus flavor and reping qualities are spoiled. We try to have at all times as part of our grain ration some ood fresh wheat bran, and when of cake meal is a reasonable figure we are never without it;

News. the writer of this article, is one of the consolid dairymee in Ganda. He is credited best milk that reaches the Montreal market, and the second second second second second are. therefore, well worth considering. Mr. the most successful competitor in the Inter-Prize Farma Competition conducted by Farm , and this is one of the essays that the rules mpetition required him to errite.

but present prices, however, are almost prohibitive. For a mixture with these feeds, we like oat chop. We have been using for four or five years Schumacker Stock Food, a kiln dried preparation manufactured in Peterboro, which we have found a very safe and satisfactory feed.

FARM AND DAIRY

Why Form a Farmers' Club? By A. D. Wilson

There are three things that the farmers' club does, any one of which makes it worth while.

First, it encourages and provides a means for social intercourse. It brings the people of the community together, which always results in kindlier feeling in the neighborhood. It affords food for thought and discussion at home among members of the family.

Secondly, the farmers' club is a strong educational factor. It is safe to say that there is more information in a community than any one individual in that commuity has. An occasional farmers' club meeting will tend to make general the information of each individual. It will consequently increase the fund of information in the community. Taking part in these farmers' club programmes stimulates study on the part of club members. Talking over any of the problems of rural betterment always stimulates a desire in all members for something better. *

IT GENERATES COOPERATION

The third important function of the farmers' club is its relation to the financial betterment of a community. It is the first step in cooperation. It gets people into the habit of working together, and affords a medium through which many things that have been done individually may be done cooperatively. It makes it possible for a number of small farmers to have the same advantages in business transactions enjoyed by large farmers, because cooperatively they do a large amount of business, and consequently it

Feeding and Management of Farm Horses'

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Jas. Bryson, Chateauguay Co., Que. I stable my horses in the fall after the summer and fall work is over and feed them liberally on clover, hay, roots and oats or some chopped grain. I find that in the months of November and December the horses that have been at work on the farm doing the fall plowing need a good deal of care at this time of the year. Some farmers seem to think that when a horse is not working he does not need to be fed or cared for. as he is not earning anything. After the summer and fall work horses need to be cared for as well as any other time of the year. A little extra care at this time makes them ready for any kind of work that you may have to put them to in winter

In winter we do not feed our horses as much grain as we do in the summer, as our work is not so heavy. We always keep what hay or clover they will eat clean and a feed of oats morning and noon and in the evening. We give them a feed of roots, bran, or chopped grain. To breeding mares we do not feed so much grain; they get more bran and roots or chopped grains. We always try to give brood mares a good deal of exercise at slow work. If we have not some slow work for them to do, we let them out on fine days in winter to take exercise. In seed time we always work our brood mares right up to the time of foaling, but do not do any work with them after foaling, as we think that the mare has enough to do to raise her colt.

Work horses should be groomed every day. After plowing, or any work at which they have been sweating, we rub them down and brush them. When plowing or working in wet weather or on muddy roads, their legs should be rubbed down, especially in the fall or cold weather. A little extra care at that time of the year may save a good deal of work when winter comes, as



An Improvement that Pays Its Own Way and Its Owner's Too

The owner of the spin-fidd pure-bred Holstein herd here illustrated is a thorough believer in the value of that dependable triplet, "corn, clover and coss." The herd of R. W. Walker. Ontario Co. Ont., here seen on clover pasture, are of the kind that make their owner thoroughly satisfied with the business of dairying. Notice what deep, strong cows these are. Just the kind for which we are all looking.

is worth the while of a business man to make some concessions to get their business.

We firmly believe that the farmers' club, which will lead to closer cooperation among farmers, will be one of the strongest factors in maintaining the family-sized farm, because it will enable the small farmer to do business on a business basis, which he cannot do individually. We urge, therefore, that every community give serious thought to the matter of a farmers' club organization

I consider that drains should not be less than three feet deep, and if they were four or five feet deep, I believe it would be better for the land. The water level in the soil would be lowered, the drains would draw further, and fewer drains would do the drainage desired .- Jas Marshall, Wentworth Co., Ont.

some horses are apt to get scratches or cracked heels. That these ailments are a bad thing to get on horses in winter very farmer knows.

A woman may expect the little busy bee to gather honey for her at an average yearly rate of 61 lbs. to the colony; that stings may be subject to her will; stickiness also; that hard work, heavy lifting, perspiration, and disagreeable odors must be borne with fortitude; that careful attention to detail is imperative; and that there are many things in bee-keeping that are calculated to make it attractive and enjoyable, and also a profitable occupation for women .- Miss M. Treverrow, Peel Co., Ont.

"This is one of the three articles that Mr. Bryson has written on his farm practice for Farm and Dairy as required of him by the rules of the Interprovincial Prize Farms Competition in which he was a snecessful competitor.



(6)



FARM AND DAIRY

dk





"Hello, Tommy! Chores done already?" "Yep! Aint you seen our new Litter Carrier? It's a cinch-You should write to Dillon's for their book-same as Dad did."

You can if you work hard enough, and if you have the time and patience, keep stables perfectly clean with the help of fork, broom and wheel barrow.

But those were ways of twenty years ago -before labor was so high and hard to get.

Stable Cleaning by the Dillon Method can be cut down to less than half the time, and a quarter the labor formerly required,

Your man's time is valuable --- then cut down the time he spends cleaning the stables.

Your stock is valuable-then give them cleaner and healthier surroundings.

DILLON'S Litter Carrier

Figure it out for yourself. Get our free book.

Dillon's sell direct to the Farmer. There Dillon's sell direct to the Farmer. There are no Agents and no Agents' profits. The price is the same to all, and lower than you built equipment. DILLON'S BOOK CLEAN STABLES gives you an exect of what you can account for a small outlay. Write for a free copy. 2

R. DILLON & SON ONT. OSHAWA,

FARM MANAGEMENT N_____

Clearing Fields Made Easy What does it profit a man to plow

around, harrow around, mow around and reap around a stone pile or even a stump in the middle of his field. hen an hour's work and a few sticks gunpowder will remove any impediment to easy cultivation? s a question that we have been asking urselves ever since we attended ourselves ever since we attended a blasting powder demonstration held on the farm of Mr. R. A. Wilson, near Peterbero, recently. The de-monstration was conducted by Mr. S. nonstration was conducted by Mr. S. B. Baptist, of the Canadian Explos-ives, I.td., Montreal, and was an eye-opener to the most of us in regard to the power of blasting powder. We congregated at Mr. Wilson's

barn, and when all had arrived he conducted those of us who had come to conducted those of us who had come to see the demonstration right out into the centre of his corn field to several large boulders that sericusly inter-fered with easy cultivation. The first atone that Mr. Baptist tackled was a big one, fully five feet long, and three of four feet in diameter. It was of a character that would have been or a character that would have been very hard on drills, and some of the farmers present estimated that it would be the work of a forenoon to drill it for dynamite. But it was drill it for dynamite. But it was only three-quarters of an hour from the time we reached the field till the stone was lying around in pieces con-veniently large to be hauled away.

Mr. Baptist first took a long auger specially made for the purpose and drilled a hole in the earth under the drilled a hole in the earth under the stone. Into this hole he pushed six cartridges, the list one being con-nected with the fuse. We noticed that Mr Baptist took great care to tramp the cartridges in tightly so that the air would be excluded. The hole was then filled with earth, the fuse lighted, and we retired to a safe distance to see what would happen. The stone came up all right.

Several of the visitors afterwards looked as if they considered them-selves almost foolish in having plowed around the rocks in their ewn fields for so long when they could have been removed with so little labor and at

comparatively little expense. Bought in cases of 100 sticks each, the cartridges cost only seven and cne half cents a piece, and the fuse and caps would come to two cents more. That is, 60 cents would cover labor and all.

STILL ADDITIONAL PROOF

Right near this first stone was a stone almost as large again, and it scone almost as large again, and it seemed almost incredible to one of the spectators that a stone of this size could be removed without drilling in-to it. Mr. Baptist did not intend to leave doubt in anybody's mind, and leave doubt in anyondy's inter the insert-in exactly the same manner he insert-ed eight cartridges under the rock, and in half an hour it too was lying around in small pieces

The rest of the afternoon was given over to blowing up stumps. The method of procedure was the same. A hole was drilled under each stump. two or three cartridges inserted, discharged, and the stump immediately

One thing that impressed us about this lasting powder was its safety. Mr Baptist had absolutely no fear of it and threw it around almost as if it ad been sticks of wood. he, when we remarked on this prone, when we remarked on this pro-perty of his powder, "it is safe, but yeu don't want to get the idea that it is absolutely safe. It does require some care. It is, however, much slower than dynamite. On account of its safety we get much better freight with warmth.

November 14, 1912.

messessessessessessesses rates than can be secured on dyna-"Any farmer,' said Mr.

"Any tarmer," said air, i 'can use this powier himself ust as good residts as I hav fternoon. In f ct, he can ge afternoon. results, for he will 8001 results, for he will scon-thoroughly acquainted with h-land and know just what it re I find a special augur a very s ient thing to have for drillin most of those who use our pow a crewbar and get just as good As we were leaving we not Mr. Wilson's barnyard a large cordwood that he had collector the stumps he had blown up. was reduced to a good si wood was reduced to a good stor for the furnace, and yet there was not a mark of a saw or axe on it. "That's the result of using powder," remarked Mr. Wilson. "It not only blows the stump out but it makes it into wood

Silo on Small Farm 1

for you.'

Do you consider a silo advisable herd of 20 head, including young and horses? Is there any way of ing the expense of machinery need needed for cutting the corn and filling the s could put up a 66 ton stave silo for could put up a 66 ton slave allo for about \$100, but its would require a lot of extra profits to pay for the cutter, blower and ongine. Is the same machinery needed for putting clover in the silo?-J. 0.8 Y. Nanalmo Dist., B.C. A silo would be a most valuable ad-

A silo would be a most valuable ad dition to the equipment of a farm with a stock of the size mentioned. If it is desired to get the best re-sults in the way of ensilage, that is if it is desired to make the best us of all kinds of material in the ther a cutting box with power to drive it, is an absolutely necessiv adjunct to the silo. An expensiv cutting box and a high power engine are, however, not necessary. A citing box suitable for your purpowould cost you about \$150; while engine capable of driving the would cost probably \$300 \$500. Both of these machines we be of immense use to you in y be of immense use to you in y farming operations apart from t, use in connection with the silo. cutting box would be of great v, in cutting straw and hay and the in cutting straw and hay and the gine in doing all kinds of work the farm. I would recommend blower as being the preferable fo of cutting box, as it is likely 'o more satisfactory in every way t the elevator type.

the elevator type. If clover is to be the principal eq-only material used in the silo, the the cutting box is not necessar since clover may be put into the sild whole and make very good ensilar provided care is taken to pack is tightly and store in the right code

tion: that is, fairly green. The silo will very materially crease the stock carrying power and under cultivation. In my it is worth annually from \$15 for each head of horned cattle farm. It is not of so much va horses, although horses will good use of a small amount silage. J. H. G.

Items of Interest

Items of Inferest The Fifth Annual Exhibition of Westmoreland Poultry and Pet So Association, will be held in the O hall. Moneton. N. B., Dec. 17 to B. The Batewan Manufacturins G onny, well known as the maler: "Iron Ase Involements, have to year the Wikinson Plow Co. Is and the Toronto Pressed Steel Co. any, In addition to continued and the foronto pressed shere of any. In addition to continuing old lines of manufacture they manufacture "from Age" implem n Canada as well.

When preparing the stables for winter remember that dryne s contilation are equally import

to over strv Root especie secor nt food for d

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Convenient Fee simple device the one her as the one her an endless amout by many farmer and pails. Life that kind. A b can be cheaply who can use too will be avoided.

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uction of sila; nestion. Car the s lecting ble to wn od retur due atte n many to 30 ill not make oughag grow

dairyman in this province said, "I The Feeders' Corner ne Feeders' Corner is for the use our subscribers. Any interested invited to ask questions, or d items of interest. All quee-us will receive prompt attention.

Roughage for B.C. Cattle

. H. Moore, B. S. A., Victoria, B. C. In some parts of cur province hay and roughage grow very abundantly. In other dry sections roughage supplies more of a problem. In every specially if cat straw, may very profitably be fed in varying quanti-ties, according to the supply of other ghage. Barley straw comes next order of merit. If chopped and oughage. (A^{a}) with roots, large quantities are experimes used at a profit. Wheat and rye straw, on account of the straw of th Wheat ad rye straw, on account of their arshness, are not so serviceable. Wheat, oats and barley grown as

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masses and cut when the grain is in he milk stage make most excellent ay. Barley should do particularly sell in the dry portions where early maturity is desired. Clover, which



Convenient Feed Carrying Arrangement A simple device for carrying will such as the one here illustrated would save an endices amount of energy now wasted by many farmers in "lugging" heavy pots and pails. Life is too short for labor of kind. A barrel mounted on wheels be cheaply constructed by anyone can use tools, and many a backache will be avoided.

grows so abundantly all over the prois, cf course, our staple roughige for dairy cows, and should It contains the materials argely fed. sary for milk production, and is, s, not exhaustive to the land, making it an economical food those high, dry places where red ver grows with difficulty, alfalfa li take its place. Nothing too good an be said of the merits of alfalfa as dairy food, but it can not be in-eriminately grown over the pro-In some very dry places mil-kes a very excellent growth, and green makes a good quality of for dairy cows. It is a quick er and not too hard on the land. , the most widely known hay although a heavy cropper in sections, is not considered an nical food for dairy cows.

any section where corn will and come to any reasonable state maturity, the silo and the promaturity, the sub and the pro-ction of silage is a most important estion. Care should be taken in setting the seed corn, for it is un-somable to expect seed that has an grown in a 120-day season to Did ar season. od returns in a 100-day season. due attention given, it can be in many places to make us a phone and profitable food. to 30 lbs. in our dairy ra-ill not only increase the milk but make a great saving on the roughage. In sections where will grow at all well and roots y grow lightly, it is too economical feed to overlook in the dairy in-

strv Rootespecially mangles and sugar Roots, especially mangies and accu-sets, are second to none as a succu-ent food for dairy cows. One noted

FARM AND DAIRY

would not try to produce milk without mangles," and he was talking from mangles," and ne experience. Besides the food value experience. Besides that quality of they carry, there is that quality of sneulence that adds to the ration a milk producing quality not shown by milk producing quality not shown by the same of the state of the same set of the carry little chemical analysis. The different varieties of roots make very little difference in feeding, barring these which have very strong odors like turnips, so the crop to grow is the one we can handle best and from which we can get the largest returns an acre. In feeding it is better to feed them sliced or pulped and to feed rather sparingly than to overfeed; 30 lbs. a day gives more economical results than twice as much.

Value of Feed Molasses

Is molasses good for horses and cattle? How should I feed it?-S. C. B., Grey Co., Ont.

The nutriment value of cane sugar molasses is about equal to that of corn. It contains 50 per cent of sugar and 12 per cent of gum. The sugar is equivalent in feeding value the starch of corn and the gums The stare of corn and the gums are protein substances. Beet mol-asses, unlike cane sugar molasses, is bitter and has purging properties. Hitherto much of this material has been wasted, but more of it is now being utilized. In experiments in Sweden as much as 3 3 lbs. of mol-asses was fed daily to dairy cows by diluting with twice its weight ci ter and pouring over the feed. Work horses were fed 2.2 lbs. daily and pigs were successfully fed molasses with skim-milk.

We have fed molasses to horses pouring it over their oats, and they iked it and seemed to thrive. When the molasses ran out, hewever, we found it difficult to get the horses to eat their oats without it, and they lost cat their oats without it, and they lost in condition. As we sometimes had difficulty in getting molasses we do not now feed it to the horses owing to the difficulty of breaking them off. Molasses may be used for preparing animals for show or sale. Its good effect for this converties.

animals for show or sale. Its good effect for this purpose is probably due to its palatability, inducing large consumption of the feeding subto its parationity, including large consumption of the feeding sub-stances with which it is mingled. This substance, fed in too large quanti-ties, is said to be deleterious to bread-ing animals leading to sterility, especially with males.



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BEATTY BROS. 343 Hill Street. FERGUS, Ont.

Send us rough sketch of your stable and get our price on a complete Manure Carrier Outfit

(8)



One Big Ben Runs the Whole Farm on Time

Big Ben is made *big enough* for the whole family to consult about the time. He looms up handsome ad impressive across the largest the time. the time. He tooms up handbone and impressive across the largest rooms. His broad smiling face and big, honest hands tell the right time plainly. A million families have adopted him. He works for his living—a drop of oil a year is all he asks.

You can buy a clock to guake you up for \$1 or \$1.50, but isn't Big Ben worth two dollars more than that Ben worth two dollars more than that since he wakes you on time and never fails to tell the right time all day long as $\alpha vell$ as all the night iYou don't have to wonder "if that clock is telling the right time" if he clock is Big Ben. The city man

can ask a neighbor or get the right time by picking up the telephone. You must depend upon a clock. Depend upon Big Ben.

FARM AND DAIRY

Green Delicacies in Winter

winter by digging the plants so as to

leave as large a root surface as possi-ble. Remove a few of the straggly

outer leaves and set closely in a cool

cellar or in boxes. An ordinary dry goods box from 14 to 18 inches wide and three to four feet long, makes a good package for storing celery. Put

a little dirt in the bottom of the box, then set the plants in a row close to-gether, just covering the roots with gether, just covering the roots with soil. Place another row next to the one first set, as close to this as the

soil will permit, in every case setting

soli will permit, in every case setting, the plants about the same depth as they grew in the fields. Celery stored in the field. If the plants become watered, care being und about the watered, care being und statistic the same statistic statistic care, store the boxes at a tempera-usually about 36 degrees. If stored at a higher temperature the celery will grow and is apt to decay.

WINTER RHUBARB

Rhubarb for winter use may be dug

en into the cellar or other dark, mod

water and allow the plant to grow. If rhubarb is grown in the dark, the stalk is tender and very little leaf surface is formed. Plants thus forc-

ed are of little value for setting out.

Prevent Rabbit Injury

It is time to plan winter protection or young trees. Thousands of cr-

ht should be cleared and the base of every tree. Rubbish which harbors small animals that girdle trees close to the base is thus re-moved. This precaution is especially

necessary in case oats or other small grains have been used as a cover or catch crop in the orchard. These pre-

cautions apply mainly to mice rather than rabbits.

An expert entomologist informs us

An expert entomologist informs us that he has found a special whitewash an excellent preventive of rabbit in-jury. It is an ordinary heavy white-wash to which enough dissolved blue

stone or vitriol has been added to give a decided Llue color. Salt should

be added to make the mixture stick.

Apply with a brush to the trunks and small branches of young fruit trees.

Apply high enough to guard against

erately warm location, and buried just enough soil to cover the roots. Water and allow the plant to grow.

Celery may be kept well into the

Depend upon Big Ben. He helps you wind with his big easy-turning keys. He wears an inner jacket of steel, which keeps him strong and makes him last for years. He rings just when you for years. He rings just when you want and either way you want five straight minutes or every other half stratget minutes or every other half minute during ten minutes unless you flag him off. Get him now. And get him Christmas for some friend or relative.

He is sold by 5.000 Canadian dealers--th rice is \$1.00 anywhere. If you cannot find hit t your dealer's, a money order sent to his de gners, *Heatlox, La Salle, Illinai*, will bring his you attractively boxed and duty charges paid



Prove the "BISSELL" by Its Work

Do the gangs on your Harrow Do the gauge on your marrow crewet tegether and raise out of the ground if it is hard? They wen't do this on the "Bissell." The "Bissell" is so designed that THE GANGS CAN'T CROWD OR BUMP together no matter how hand the ground may ha

BUMP together no matter now hard the ground may be. Tough soil won't stick the "Bissell." It stays right down to its work and pulverizes the ground thoroughly.

We ask you to take a "Biasell" out into the field and test it be-elde other Marrows. Then you

ill HAVE PROOF that it is A SUCCESS ON HARD LAND-THAT IT PULVERIZES THE BEST-and that it is the lightest draught.

Post yourself fully on Harrows before buying. We put our name on every Harrow so that you will know it is you genuine. Ask your local dealer, or write to Dept "W." for free catalogu

November 14, 1012,

HORTICULTURE any possible injury. Remember that the snow will enable the rabits to give much higher during the winter than they could possibly reach in the than they could possibly reach in the

Storing Spray Outfits

In leaving spraying pumps for the winter, see in the first place that they are stored under cover where they will be kept dry. Clean them thordrain out any water which may re-main in the pumps and from the jackmain in the pumps and from the jac-et of the gasoline engine if power pump is used, bearing in mind that a valuable engine can be practically ruined by water being left in the water jacket and freezing. A likeria application of engine oil to all the working parts of the engine in the fall will do much to keep eff rat. Nozzles and hose should be cluelly out and dried. Any wooden barris or tanks used as reservoirs should be or tanks used as reservoirs should put away from the sun, preferably in

n moist place. If any insecticides are left over, put them on a shelf out of the way, prop-erly labeled. Remember that Pari erly labeled. Remember that P Green deteriorates by being kept ureen deteriorates by being Rept h the open air. Arsenate of lead which one desires to keep for the followin year, should have a good covering a water to prevent its drying.

Rhubarb for winter use may be dug just before the ground freezes hard in the fall. Leave the plants on ton of the ground, slightly covered with hay or something to prevent their drying out, and allowing them to freeze for several weeks. About freeze the newtak use tak-The Alexander Recommended

A. McNeil, Chief, Fruit Division, Ottawa, Ont. The Alexander is a very profitable apple almost everywhere. It is no first-class in quality, but it is large resoccases in quarity, but it is large fairly prolific, and a reasonably goe shipper. It is profitable in the sout because it ripens fairly early in Sej comes in and stands shipping well.

It is a particularly profitable ap in the northern sections, because in the northern sections, because i tree is very hardy, almost among t hardiest, and when grown the comes in as a late fall or early w ter apple. It is a particularly de able apple for Prince Edward Isla where it blooms fully four weeks la then it does in Fasse comnty. than it does in Essex county, (tario. Perhaps the most desire place for it is where they cannot g good winter varieties.

Horticultural Notes

Beets should be gathered and store before the ground freezes. A light frost does not injure of

bage or turnips, but rather impr them

Each winter, trees should be p tected against gnawing by rabbits a mice

Be careful and not let squashes ome frest-bitten. It will cause th to rot earlier

Gardens infested with cut wer may be helped by keeping the 's free from vegetation all fall and bu ing all trash. Unleached hardwood ashes is one

the best fertilizers for fruit trees all kinds. Thirty bushels an acre a good dressing, but even more wor beneficial.

Trees in the orchard that have made much growth should not manured. Keep every tree grown An old orchard that is past its prican be set to work again by man and fertilizers freely used .-- W. I

Unsprayed orchards are almost complete failure. Thoroughly sp ed and well cared for orchards producing bumper crops of iruit the highest quality.-W. F. Brast Halton Co., Ont.

We like Farm and Dairy be every issue, and would not now without it.--Asthur Gibson, Dur Co., Ont.

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******** POU Thought

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bred at the r managed to a eggs are so the obvious f fowls are no bred at the i when nature in the winter output betwe will always h should fluctua 60 cents The bulk e

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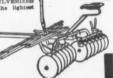
For the acc gers sailing or ion Line Stear Portland, Mai Frand Trunk ial train con Standard Pulli Toronto. cember 13th Dock at Port 9.00 a.m., Dec servations, tic ars can be ob Grand Trunk Duff, D.P.A., Ontario.

FOR SALE

oudan and Si vola one dolla of one pair Ro ogherns or on orn Cockerel. t. BAYHAM S Eber Kinse BA

THREE WHITH COCKS, six right.-W. B. Peterboro.

FOR SALE-One etrain); 2 Blue birds); 4 Whit for prices.-W.



T. E. Bissell Company, Limited, Elora, Ont.

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FARM AND DAIRY

POULTRY YARD Thoughts on Winter Eggs By F. O. Brown The reason why the built of plants lay in the season of the plant lay in the season of th



Turkeys are Money Makers for their Fortunate Owners This Fall

There is money in tarkers where properly managed This is the expression of many principles in the second se

for a rest in the bulk of the forms are not laying. Having been bred at the natural season, they lay when nature dictates and take a rest in the winter. While a variation in in the winter. While a variation in output between summer and winter will always be experienced, there is no reason why the selling price should fluctuate between 20 cents and 60 cents

The bulk of the poultry stock of

Through Pullman Sleeping Car to Ottawa via Grand Trunk Railway

Trubs reality of the second runk scaling of the grand Trunk Railway operate a through Pullman Sleeping Car (electric lighted) to Ottawa, leaving Toronto 10.45 p.m., daily. Berth reservations and full particulars may be secured from the nearest found Trunk arount

Grand Trunk agent.

SPECIAL TRAIN TO PORTLAND, SPECIAL TRAIN TO PORTLAND, MAINE, FOR SAILING S. S. "TEUTONIC," DEC. 14th. For the accommodation of passen-gers sailing on the White Star-Domin

gers saining on the white Star Donne on Line Steamship "Teutonic," from Portland, Maine, December 14th, the Grand Trunk Railway will run a spec-ial train consisting of Vestibuled train consisting of Vestibuled aches. Tourist and First-Class Coaches, Tourist and First-class Standard Pullman Sleeping Cars, leav-ing Toronto, at 1.15 p.m., Friday, December 13th, running direct to the Dock at Portland, arriving there at a.m., December 14th. Berth re-ations, tickets, and full particu-can be obtained from the nearest servations, Trunk agent, or write A. E. D.P.A., Union Station, Toronntario.

FOR SALE OR EXCHANGE An and Silver Grey Dorking Cock-a one dollar each, or will exchange one pair Rose or Single Comb Brown herms or one Rose Comb White Leg-and State Silver BAYHAN STOCK AND POULTS VARM Liber Kinsey & Son, Progrietors BAYHAM. ONT.

THREE WHITE WYANDOTTE REGAL COCKS, six Regal Oockerels. Pricee right.-W. B. Anderson, R. B. No. 5, Decederation of the statement of the statem right.-W. Peterboro.

FOR SALE—One trio of Anconas (Apps etrain); 2 Blue Andalusian Oocks (prise birds); 4 White Rock Cockerels. Write for prices.—W. E. Pakenham, Norwood,

bred at the right time and have been |line-that is, if the groceries gener-managed to advantage. The fact that ally bartered for the eggs are taken eggs are so dear in winter points to into account; but present revenue is the obvious fact that the bulk of the unthing to that which it could be. ONE PROFITLESS CASE

A farmer remarked to me the A farmer remarked to the in pol-day that there was no money in pol-try—at least, his were not profitable. I interrogated him. He had about I interrogated nim. He had about 50 of no particular breed; no were under three years of age; the roost-ed in the trees, and pick up the best part of their living the back best part of their living the back door and around the stanle, though they were fed wheat in the evening with fair regularity. The eggs were exchanged for groceries, but no idea could be given as to the value of the could be given as to the value of the eggs laid. Altogether a definite re-ply could not be given as to what the birds actually cost and what was the exact return from their produce. Under all circumstances it would be

surprising if the birds did pay. It is generally admitted that few if any birds show a net profit after two laying seasons; while to proper ly protect them from extremes of 01 weather, especially in winter, to keep them in a thoroughly clean condi-tion, and to feed and manage them in an intelligent manner, certainly with as much care as that taken with other classes of stock, are essentials which must be observed. Then, to secure eggs in the dear season implies hatching at a special time. The high-type laying bird is not a thing to be treated as though it were a nuisance on the farm-to have dogs "sooled" on it because it is always in the feed-boxes in the stable-but must be looked upon in the same light as other animals on the farm. It is on the farm where eggs should be produced at the cheapest cost. This implies some understanding of the requirements of poultry, however. In the first place, a proper poultry-house should be erected—not neces

nouse should be erected—not neces-sarily an elaborate structure—I have seen a very good house constructed out of three-by-twos covered with sheets of corrugated iron. Anything is better than allowing the birds to root on the back of a draw or on roost on the back of a dray or on the fence. It has been argued that in roosting anywhere the birds are in roosting anywhere the birds are living under natural conditions. No doubt this is very true, but under the circumstances only a natural supply of eggs may be expected. It may with as much reason be contended that the cow should be treated in the same way; but the heavy-milking

beast, giving up to, say, six gallons of four per cent. milk in a day-an animal much akin to the heavy-eggproducing bird—would hardly main-tain its great artificial yield unless well fed, sheltered from adverse weather, and treated in a kindly manner.

Green Foods For Fowls

Mangels are a very succulent food and are relished by the birds during

ter. They can be fed either pulped or whole. When they are fed freely they frequently scour the fowls. For this reason during some seasons do not feed mangels more than twice a

Turnips may flavor the eggs. They are not as pala-table as mangels; in fact, some birds will not eat them at all, but at the same time they have considerable food value.

Clover leaves, either steamed or dry, are relished very much, and, upon the whole, are the most reliable winter green food. One hundred hens will eat from a peck to a bushel of clover leaves daily. This food upon the farms is cheap and easily procured, and should be fed more than it is.

The Charming Winter Resorts of California, Mexico, Florida, etc.

Now is the time to take advantage of a trip to a milder climate and es-cape the cold winter months. Round trip tourist tickets are issued by the trip fourist tickets are issued by the Grand Trunk Railway to California, Mexico, Colorado, Pacific Coast Points and the Sunny South, at low rates, giving choices of all the best routes. Features in connection with this route: only Double Track Line Buffulo and Chicago, Frack Sore. this route: only Double Track Line to Buffalo and Chicago; Fast Ser-vice; Modern Equipment; Unexcelled Dining Car Service; Palatial Electric Lighted Pullman Sleeping Cars; all elements of safety and comfort. Ask entents of safety and comfort. Ask nearest Grand Trunk Agent for full particulars, or write A. E. Duff, D. P.A., Union Station, Toronto, On-tario.



Farm and Orchard For Sale

At Athelstan Co. Huntingdon, Oue.

150 Acres, 70 in Orchard, balance in Bush and Pasture, House and Outbuildings in good order. About 2500 Apple Trees-McIntosh, Russet, Fameuse, Scott's Winter. Arabka, Baxter, also some Plum Trees.

For full particular- apply SUN LIFE ASSURANCE CO. Of Canada 142 Notre Dame Street, West, MONTREAL





This is the Chance of a Lifetime. Every tube is guaranteed to equal five regular the bottles of regular flavorings. Every housekeeper you show them to wants to buy three or four tubes of the different flavors we send, and every lady who usy a trial tube can receive free from us ady who

stories and in fact DO EVERYTHING YOU WOULD EXPECT OF A \$50.00 MACH-

k. all we ask you to do is just send us you id address to day, and let us send you id address to day.

FARM AND DAIRY

What Accounts Will Do J. E. Waggoner, I. H.C. Service Bureau

Carefully kept records will be an Garefully kept records will be an index finger to point the farmer to loop holes through which the profits are now slipping. He would know which are the profitable fields; which are the most profitable fields; which are the most profit producing crops : which cows are boarders, that he which cows are boarders, that he may at the end of the season sell may at the end of the season sen such animals to pay their board bills; he would know whether he was util-ing his horse power to the best nos-sible advantage. In this connection ing nis norse power to the dest bosh sible advantage. In this connection it might be said that one of our fore-most universities has just found that on a 160-acre farm, equipped with six splendid head of work stock, the splendid head of work stock, the average daily labor per horse was only a little over three hours for the entire year—a very small average labor record, indicating a lack of efficiency.

We hear a great deal nowadays about maintaining the fertility of the soil. We all know that if grain is sold direct on the market that we dethe fertility of the land very y. The next best system of plete th rapidly. rapidly. The next best system of farming is stock raising for meat production, and the best of all sys-tems for maintaining the productivity of the land, and at the same time recap profits therefrom, is dairying-mot selling the whole milk but selling

In dairy farming the soil fertility removed is much less than in any other kind of farming—in 400 pounds of butter fat there is less than one nitrogen, two-tenths of a pound phosphorus, and one-tenth of a pound of potassium. Only by following some system of

Only by following some system of farm accounting can we know these things and be able to weigh in the balance the returns from each field from each kind of stock and from every farm operation.

Farm Help Underpaid

By A. D. Wilson

The difficulty of getting competent help is one of the conditions which are driving many people from the farm who would, under ordinary conditions, prefer farm life. This condition is, it seems to us, an indication that better things are in store for the farmers

the country. While cheap labor may be employed in some industries where most labor is under supervision and where each and definite laborer has only lim -t type cf things to do, only labor can be used

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ordinary farm, as it is practically out or the question on the farm to give very close supervision to labor. Such labor must be trusted alone with valuable animals and machines, it must possess considerable skill in their manipulation and care. Such labor must further possess an earnest desire to do efficient and careful work without being constantly under the supervision some overseer or foreman. WAGES SUITABLE TO SKILL REQUIRED

WAGES SUITABLE TO SKILL MEQUIRED We believe that comparatively high wages must be paid before farm labor of suitable quality can be secured. The present scale of wages for this la-bor is entirely inadequate in view of the demands made upon it in com-parison with requirements in other in-For example: A fireman on a railroad engine receives from \$80 to \$130 a month, while no greater skill is required to fire one of these engines than to feed and manage a good herd of stock. A street car con-ductor receives from \$75 to \$90 a month, and certainly no greater skill or ability is required for such work than to handle three or four horses and a self-binder. At present from than to handle three or four horses and a self-binder. At present from \$30 to \$35 a month and board, or a total of from \$45 to \$50 a month, is considered very good wages for farm

If the business of agriculture is to compete with other industries, then agriculture must pay as good wages for the same class of work as is paid by the other industries; and the people who use farm, products must pay such a price for them as will enable a farm owner to compete in the open labor market.

Record Class at N.S.A.C.

The Nova Scotia Agricultural Col-lege opened its 1912-35 session on Tuesday, Nov. 5th, inst. The enroll-ment is 192, which is far in excess of any previous enrollment in the his-tory of the College. At the corres-ponding date last year, the enrollment was 58, which number was increased to 78, being the highest number of students that had attended the regu-lar course up to that time. The at-tendance at the present course prom-ises to reach well up to 125. The Nova Scotia Agricultural College has The Nova Scotia Agricultural Col-Nova Scotia Agricultural College has Nova Scotia Agricultural College has a limited constituency in comparison with the other agricultural Colleges in Canada, and besides the course is a two years' course, and the numbers in attendance are not increased by the presence of thri and fourth year students. The attendance is, therefore, extremely good. There is no question that until re-cently. Maritime agriculturists have

cently, Maritime agriculturists have been somewhat lethargic in the development of their industry, but of late years a new element has come into years a new element has come into the agriculture of the East, and the spirit of progress, which is character-istic of the other parts of the Dom-inion, has become 'qually character-istic of the provinces down by the sea.

Coming Events

Nov. 13 to 15: Woman's Institutes' Nov. 18 to 15: Wolman's . Convention, Toronto. Nov. 27 to 29: Alberta Provincial Fat Stock Show, Calgary, Alta. Nov. 30 to Dec. 7: International Live Stock Expession, Chicago.

2 to 5: Maritime Amherst, N.S.

Dec. 2 to 5: Maritime Winter Fair, Amherst, N.S. Dec. 9th to 13th: Ontario Provin-cial Winter Fair at Guelph. Dec. 10 and 11: Fat Stock Show,

Dec. 10 and 11: Fat Souck Show, Union Stock Yards, Toronto. Jan. 8 and 9, 1913: E. O. D. A. Convention, Kingston, Ont. Jan. 14th to 17th, 1913: Eastern Ontario Live Stock and Poultry Show

at Ottawa. Jan. 15 to 16: W.O.D.A. Conven-tion, Wcodstock, Ont.

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\$2,500 Prizes for our Readers

If you don't know of any If you don't know of any meighbor who is working for a prize, send in your name. It will be an easily won prize if there is no opposition in the district. No contestants have yet entered from several dis-

Your Renewal Counts

A yearly renewal counts 750 points, if sent before Dec. 1st and your renewal now and we Sond your renewal now and we will credit it to any contestant. If you don't know of anyone in your neighborhood who is work-ing for a prize, send the names of some one on this entry blank, and tell us to credit your convent to him. renewal to him.



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PRIZE CONTEST NEWS

That's what the contestants say because every one gets a prize according to the amount of work he does-beto the amount of work he does—be-cause the prizes are so fine and the values so great—because it is so easy to get subscriptions when they tell their friends they are working for prizes

Many well-known farmers, post-Many well-known farmers, post-masters and factory men are entered, and many women, girls and boys. If you want to help Farm and Dairy get these 5,000 new subscribers, join the centest. The prizes will certain-ly repay you for the work you do. A FEW DISTRICT STIL. OPEN Although so many persons are en-tered, still some of the districts have no contestants as yet. There are

It's The Best Contest Ever Run | more in this contest. We certainly will if every one keeps up the interest with which they started. We want with which they started. We want every dairy farmer in Canada to read Farm and Dairy, so we want a con-tostant in every district. Almost every reader of Farm and Dairy is an enthusiast, and wishes every dairy farmer in Canada to also be a reader. Now is the time to help us while in-terest in the pize context is active. Send in the entry blank.



Sheep are Deserving of a Larger Place in Quebec Agriculture

Sheep are Deserving of a Larger rince in Quebec Agriculture Three are good sheep in Quebec Provinces. The Oxford Down flock of Arsen-Dens, Berthier county, a few of which may be seen herewith are typical of the kind found in the good flocks. But among the general rank and file of Quebec farmers the interpose is an aligned standing of the second standing the farmers the interpose of the second standing of the second standing of the diarring accounts, to some estent, for this searchy of sheep. But this is not as it should be. Even on the dairy farm there is a profitable place for a semill flock of sheep. --Photo taken at Three Rivers, Que.

many districts between Nova Sectia Secretary of Agriculture for Nova and British Columbia. It cortainly Scotia. We had an opportunity for offers a great chance for some one in only a few mutues chat with Prof. each district. If you don't know of Cumming usual, we lound him anyone working in your neighborhood, full of enhuissim and over-running send your name and earn that prize. THE CONTEST HAS JUST STARTED

THE CONTEST HAS JUST STARTED As the contest has six months to run it is really just started, so you have just as much chance as any of those who started a week ago. But enter your name just as soon as you can, for it takes some time to send you copies, order blanks, etc., and you want all the time you can get to work. MR. ANDERSON, RENFREW, SENDS FIRST

BIG ORDER We have had many small orders, but We have had many small orders, but the first lig one comes from Mr. An-dersen, of Renfrow, amounting to over 50,000 points. He had these all ready before even receiving his sup-plies, so your can see be is one fine hustler. That's the spirit that wins prizes. All he naks is a lot more sample copies, circulars and blanks. He evidently has a number of friends organized to help him.

SEND IN ORDERS EARLY

BEND IN OURDERS FAILTY Don't will ill you get a great big list before sending an order to us. Send in your names so we can get sub-scriptions started. Then we can keep in touch with you better if we hear from you pretty often and can tell you any new plans to watch but for effers of sneedin premiums. of special premiums

ASK ANY QUESTIONS We hope every contestant or friend We nope every contestant or friend of a contestant or reader of the paper will feel free to ask us any questions abcut the contest. We will gladly answer them so far as we can. Of course we can not tell the standing of contestants except as it is pub-

lished in the reports. 5,000 NEW READERS We want at least 5,000 new readers, and it looks as if we would get even

native province. "There is something attractive about farming down here in Nora Scotia," said Prof. Cumming. "The scenery is splendid. Our farmers, while they may not be making as much monry as are some in Ontario, are taking time to live, and enjoy life. Also they nay more attentioned Also they pay more attention to mak-ing their homes and out-buildings at-tractive to themselves and others." fractive to themselves and others... One does not need to talk long with Prof. Cumming to understand why his efforts for the promotion of agri-culture have been so successful. En-thusiasm such as his is contagious.

In working out the Bang system of eradicating tuberculosis in cattle we are allowed to bring cover we up to an-other farm for service. We up to an-other farm for service, we up to an-be very carrelu, however, we need to serving the bull is washed with a five to ten per cent. solution of carbolic catd.—J. W. Dimick, Woodcrest Farm, New York State.



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AND DAIRY FARM AND RURAL HOME

Published by the Rural Publishing Com-pany, Limited.

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FARM AND DAIRY is published every Thursday. It is the official organ of the British Columbia. Eastern and Western Optario. and Bedford District, Quebec, Dairymon's Associations. and of the Cana-dian Holstein Cattle Breeders' Association.

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for a club of two new subscripters. **3. REMITTANCES** should be made by post Office or Money Order, or Registered Letter. Postage stamps accepted for amounts less than \$1.00. On all checks add 20 cents for exchange fee required at a backs

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CIRCULATION STATEMENT The paid subscriptions to Farm and Dairy exceed 14.35. The actual circula-tion of each issue, including copies of the paper sent subscribers who are but alght by in arrears, and sample. No subscrip-tions are accepted at less than the full subscription rate. Sworn detailed statused its distribu-tiation of the papers, provinces, will be made free on request. OUR PROTECTIVE POLICY

OUR PROTECTIVE POLICY

the Dominion Government the steel OLR PROFECTIVE POLICY We want the readers of Parm and Dairy to feel that they can deal with our ad-vertisers with our assurance of our ad-vertisers with our assurance of our ad-vertisers with our assurance of our ad-ent columns out any eukacriter have cause to be dissuissful with the treat-ment he receives from any of our adver-tisers, we will investigate the diretum-stances fully should we find reason to industry is the most lusty infant in the Government nurseries. In seventeen years the people of Canada gave to this industry about \$18,000,000 in The second secon bounties. One would think that an infant (industry) that has been given such a lusty start as this,"would now your advertisement in rarm an Davis Complaints must be un from the date of Day numerical states of the date of profer thereof, and within one month from the date that the advantage of the guarantee. We do not undertake to adjust trilling diadvertisement adjust trilling diadvertisets.

FARM AND DAIRY PETERBORO, ONT.

A CRITICAL SITUATION

The election of Governor Wilson to the Presidency of the United States and the sweep into power of the Democratic party places Canada in a serious position. What are we going to do about it? The Democrats are pledged to lower the United States tariff. This means, we presume, that one of their first acts will be to admit Canadian products of the farm to their markets without tariff restriction. This would be awful. It would bring in its train practically all the evils that the people of Canada voted so decisively to protect themselves against only a little over a year ago.

Unless something is done much of our wheat may soon sweep over the international boundary to be ground in the mills of Minneapolis and Duluth, and thus build up United States of charging the Canadian consumer

butter will be marketed in Buffalo

and New York ;" "Toronto packing

houses will have to go out of busi-

ness"; "East and West lines of tra-

vel will be destroyed;" "Western

Canada will become the backyard of

Chicago;" all this may even lead to

We can see only one way in which

this catastrophe can be avoided. Let

our Government set a good, stiff ex-

port duty on every bushel of wheat,

every pound of bacon and every print

of butter that any disloyal farmer

might be tempted to ship to the Uni-

ted States market. Perhaps, too, it

would be advisable to impose an ex-

port duty on certain lines of manufactured goods, which Canada pro-

duces to best advantage, such as ag-

ricultural implements and steel

goods. Almost any measures will be

justified in view of the national catas-

trophe that we now have strong rea-

son to believe is pending. We do not

fear these things ourselves, but evi-

dently a majority of people in Canada

did at the time of our last Dominion

election, and this of course is a coun-

try in which the rule of the majority

TARIFF FAVORS NOT NEEDED

have received lavish treatment from

be able to stand weaning. But ap-

parently not. The bounties that we

have for many years been paying to

the steel industry have ceased, and in

spite of the continued protests of the

The steel interests now are using

every influence in their power to have

the bouties renewed or lacking this a

higher tariff on all the goods that

they produce. They have had private

interviews with several ministers of

the Government. They make much

of the fact that the tariff that they

now enjoy is considerably below that

on most lines of manufactured goods.

They point out that a fairly large

proportion of the manufactured steel

claim that they should have the home

market to themselves. In fact, they

have advanced almost every reason

imaginable why they should have

greater protection except that they

need it. President Plummer has him-

self made the assertion that they can

manufacture steel at his plant in Syd-

ney, Cape Breton, as cheaply as at

any other place in the world. That

they can do so is proven by the fact

that the works at Sydney have ship-

ped manufactured steel all over the

world and have competed successfully

with the manufacturies of other coun-

tries on foreign markets. And yet

the steel interests claim that in the

home market in Canada they should

have protection; that is, the privilege

They

used in Canada is imported.

steel men have not been renewed.

Of all industries in Canada that

must be upheld.

anexation.

more for Canadian-made steel than industries at the expense of ours. the foreigner is charged. Eastern live stock, hay, cheese and

It would seem that our manufacturers have come to regard the tariff as a vested right rather than a special privilege granted them as infant industries to be taken away as soon as they had gotten off to a good start. It is up to those of us who must pay the taxes, and we farmers pay 66 per cent. of the taxes of Canada, to see that in the case of steel goods at least the tariff is not increased nor the bounties renewed. The steel interests can make good dividends without tariff favors. Why should we be taxed to make fortunes for a few steel barons?

THAT NATIONAL HIGHWAY

The building of a great national highway from one end of Canada to the other is a proposal of such magnitude that it attracts attention in mediately. It arouses one's enthusiasm. The idea appeals particularly to highway improvement enthusiasts of the automobile driving class. They are pushing the idea whenever or wherever opportunity offers. At the last convention of the Canadian Highway Association at Winnipeg recently, the proposition of building such a highway was again brought forward and one and all expressed the opinion that all governments, federal, provincial, and municipal, should be willing to contribute liberally to the construction of such a highway. We have stated our views on the advisability of such a scheme before, but as the question has again been brought to public notice, a re-statement of our stand will not be out of place.

Were Canada in the first stages of development and without railway facilities the expenditure on such a highway might be well placed. The road might then be used for colonization purposes and for the marketing of farm produce. As it is, however, the railroad is a more economic method of transportation, and it is through the construction of new railways and not of great highways that new countries will be opened up. The only class of the community who would benefit materially through the construction of such a highway would be those who tour the country in automobiles. They are the only ones whose business or pleasure takes them from one centre to another via the public highway.

Were the money to be expended on this highway to be raised by a tax on automobiles, it might be advisable to build it. But we have not yet heard that automobile owners wish to have their taxes increased, even were the money expended on the building of a national highway for their use. If the money is to be raised from the general revenues of the country, as it would be, then it should be spent where it will be of the greatest good to the greatest number. The highways that we farmers wish to see improved are those that lead from our farms to the nearest market, be it city or railroad station. It is these roads that are the most travelled, and it is the improvement of these roads practically an impossibility to intere that would be of most use to the com-

November 14, 1012

OUR GUARANTEE

OUR GUARANTEE WE GUARANTEE that every at the fail bit since is reliable. We are able to do this because the an-part of the since is reliable. We werthing columns of Farm an-to protect our readers we turn should any with any subscripter, we with make glood the amount of you less, provided such transferred and our subscripter of the since of the core with any subscripter. We will make glood the amount of you these, provided such transferred and our subscripter of the since of the core withing week of its occurrence and that in writing to divi-tients you state: "I amy your any wertisement in Farm of their trans-the expense of our subscripter, medium of these consultations in the disposed business men who ad-business to business to business to business men who ad-business to business to business to business to business men who ad-business to business to

munity. If a grand national highway is to be built let those who will benefit by it pay for it. If the money is to be raised out of government revenues. then let it be spent where it will be of most value to the whole community.

SALESMANSHIP IN COLLEGES

Probably in no one thing do we farmers suffer so greatly through our lack of ability to make sales and to find a profitable market as we do in connection with marketing our apples. The fruit division of the Ontario Department of Agriculture and our district representatives have given most excellent service in showing us the possibilities of our orchards. They have demonstrated to us that we can produce the fruit. We can grow the best of apples, even in our old, uncared for orchards, once they are put in proper shape, pruned, sprayed, fertilized and cultivated. But having produced the apples, what are we to do with them? No provision whatover is made for the sale of the apples. Little information is available as to how we should best seek to market the crop!

. Two weeks ago in the columns of Farm and Dairy we advanced the suggestion that some work covering the most vital question of selling be taken up in connection with agricultura colleges. The suggestion has been well received by our people. They realize that the two blades of grass we are to grow where one grew before are of little use to us when we ge them unless we can sell them at a profit.

In the business world it is everywhere recognized that to produce easy. Anyone can manufacture. To seil is the real problem. And this is true also of the farm. It is high tim we came to recognize the importance of selling, and prepare the way for giving instruction, at least at our Agricultural colleges, in connection with the great problem of selling.

Difficulties of course are in the wa of introducing this subject at Agr cultural Colleges. It will be a diffcult matter to get a suitable man d the proper training to conduct such a department. For the salary ordinat ly going at educational institution and especially at Guelph, it would b a suitable man, for he could com-

Novemb

mand nearly of business. But while worked out. course of at on during t tures to dea manship an It should b secure at lea liver a lects suitable divi lactures wo giving stude their farms, farmers, a problems of Such a vi study and d Asult in g

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In Farm you of Firs turn down all question whatsoever several acc ious papers byte an pu It costs i

each year to do this t honest peo ADVERTIS THIS UP. The ad

Farm and edited as th protect our ways turne lous advert tend this fu Positive G

Now of a fullest conf ers, and in more than title you ha A Paper

mand nearly twice the salary in fields valuable to any farmer, and to any of business.

But while these problems are being worked out, we would suggest that a course of at least six lectures be put on during the college year, these lectures to deal with the subject of salesmanship and farm selling problems. It should be but a minor matter to secure at least six suitable men to deliver a lecture, one each, covering a suitable division of the subject. Such lectures would serve the purpose of giving students, who are to return to their farms, and become the leading farmers, a vision into the most vital problems of selling and salesmanship. hsult in growing qualifications in-

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LUTELY, from this time forward, TO MAKE GOOD ANY LOSS that may be sustained by any of our people dealing with our advertisers.

This guarantee, after this week. will take the place of "Our Proective Policy" and be featured each week in the heading of our Editorial page.

We appreciate the good will of our people, and their UNRE-SERVED CONFIDENCE IN FARM AND DAIRY. We will merit continued confidence and good-will more than ever from this time forward.

To our advertising patrons we assure through Farm and Dairy every legitimate service. Our books and CIRCULATION REC-Our ORDS ARE OPEN for your inspection. We court your closest investigation.

In Farm and Dairy we assure you of First-class company. We turn down and refuse to publish all questionable advertisements of whatsoever kind, even including several accepted by leading religious papers-one a leading Presbyte an publication.

It costs us a big sum of money each year in immediate revenue to do this thing. We believe you honest people --- you HONEST ADVERTISERS WILL MAKE THIS UP.

The advertising columns of Farm and Dairy are as carefully edited as the reading columns. To protect our readers we have always turned away all unscrupu-lous advertisers. We gladly extend this further safeguard in our Positive Guarantee.

Now of a truth you can take the fullest confidence in our advertisers, and in Farm and Dairy, which more than ever will merit the title you have accorded,-" A Paper Farmers Swear By" community, in which he might re-

COOPERATIVE SELLING

side.

"You simply cannot sell apples this year unless you belong to a fruit growers' association," said a Halton county farmer to an editor of Farm and Dairy last week. "There are farmers here with good crops of fruit who cannot sell their orchards. Even when they pack the fruit themselves they have difficulty in disposing of it."

Such a condition in the fruit trade is inevitable. Growers, instead of re-Such a vision would stimulate to gretting it, should join the nearest study and development. This should association or form an association of association or form an association of their own and participate in the advantages that accompany cooperative selling. Dealers have discovered that fruit sold under an assocation brand is more reliable than that which they get from individual growers or from apple buyers. They are willing to pay higher prices for guaranteed fruit. Even the consumers have come to look for association guaranteed fruit. This year the advantages of cooperative society membership will be even more appreciated than in most years, in that apple buyers having lost money in the last couple of years are very cautious about buying, and the prices that they offer are in most cases extremely low.

We predict that many fruit growers who have hitherto preferred to "plow their own furrow" will now be glad to join in with their neighbors in cooperative packing and selling. Cooperation is the spirit of the times. All of us, fruit growers particularly, will be wise to get in line and share in its benefits.

School Agriculture

Farming now-adays to be carried on to the very best advantage re-quires a great amount of expert knowledge of both a practical and scientific nature on the part of the farmer. For many years there has been a demand that this agricultural homebodie be immarched the presel child been a demand that this agricultural knowledge be imparted to rural child-ren through the medium of the public schools. One of the great drawbacks hitherto has been the lack of proper text books, books that are simple enough and accurate enough to be comprehended by and of value to the young children.

comprehended by and of value to the young children. "School Agriculture" is the sub-ject of a text book on agriculture for rural schools just from the press. Its author is Milo N. Wood, who for many years has been a most successful teacher of this subject, and under-stands the school child's needs. Such teacher of this subject, and under-stands the school child's needs. Such subjects as soil formation, drainage, tillage, crop rotation, animal hus-bandry and so forth, are dealt with in a most simple and easily under-standable manner. While intended plus child with the standard invaluable by anyone desiring to obtain a gen-eral knowledge of elementary and general agriculture. There are few farmers who would not be profitted by reading this book. One of the features of the book is the great num-ber of illustrations, there being 186 altogether, with 14 full page plates in color. The book is well bound, has 340 pages, and contains a mine of information for the 90 cents that it costs through Farm and Dairy. Evers farmer who has a boy that had secure a copy of this book for him.



Farm Lands Average Less Than \$17 Per Acre-Undeveloped tracts sell from 80 up. Beef, pork, dairying, poultry, sheep and horses make big profits. Large returns from allalfa, cor', truck, cotton, apples, fruits and nuts Growers command good local and Northern Markets. Grovers command good local and Northern Markets. The Southern Railway Molis & Chokalirado of Georgia 50.8 Florida Ry. territory offens the finest conditions for farms and hannes. Inductional comments of the second second second second moduli densing everywhere. The Southern Railway has nothing to selly use vant Y OU in the Southers. The "Southern Field," state booklets and all fatts free. W. RICHARS Lad is desirated sect. Rees 20 Manington, D.C. CALDWELL'S

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Is the only convenient form in which pure cane molasses can be fed to animals. The meal is dry to the touch-has an appetite-provoking odor and is greatly relished by the animals.



Caldwell's Molasses Meal is a very econ omical as well as a highly efficient feed. It practically costs **nothing** because it takes the place of an equal amount of other feed. It also makes other feed more **palatable**, dlgestible and hence more nourishing, and is an excellent preventative and eradicator of worms

It puts spirit into horses-makes them look better, feel better, live longer and worth more at any stage. The Meal keeps cows fat and contented-hence they give more milk. By all odds the best 'condition-er' for steers, sheep, lambs, and hogs-brings them to maturiy-their highest market value very quickly.

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and used by all the larger feeders. Caldwell's Molasses Meal cuts gen-	"Farm and Dairy," Peterboro Please send me booklet and
eral forage bills by a handsome margin. You can buy the Meal	Please send me booklet and full particulars as to cost, etc., of Molasses Meal.
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the raw molasses alone. Write for money-saving facts ! Clip out cou-	Post Office
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Post Office Department, Mail Service Branch, Ottawa, 25th October, 1912.



Cheese Makers and Dairymen to sell our specialties in high-grade Nursery Stock-during the Fall and Winter months. High est commission paid. Exclusive territory reserved Big demand for fruit trees for spring planting. Btart now at the right season. For particulars, write

STONE & WELLINGTON The Fonthill Nurseries, Toronto

EGGS, BUTTER and POULTRY

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

PROMPT RETURNS Established 1854 Co. DAVIES Co. The Wm. Toronto, Ont.

FARM AND DAIRY

Cheese Department Makers are invited to send contri-uuestions to this department, to ask obsesse making and to assess the theorem making and to assess the theorem of the sense of the sense to the cheese Makera Department. **Cheese Department**

A Milk Room Described "Builder," Waterloo Co., Ont.

In my travels through the best farm-

ing counties of Western Ontario dur-ing the past summer I noticed many



The Carrier For You

N choosing a litter carrier, In choosing a futer carrier, one should consider all of the equipment necessary for a complete outfit carrier, Track, Hangers, Switches, and Swing Pole fittings. Do not place an order before learning of the mean distingting fastings to be any distinctive features to be found in Louden Equipment.

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-is simple in construction, and easily operated. Carrier box is made of heavy galvanized steel, strongly re-inforced with angle iron. Worm hoisting gear insures maximum speed and power. Track is of high carbon steel and is casily installed.

Write to-day for Illustrated Catalogue Our architectural department will supply free Barn plans. The LOUDEN MACHINERY CO. Dep. 62 - GUELPH, Ont.

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CREAM WANTED

Weturnish free cans and pay express charges Our cheques are issued every fifteen days and are cashed at par anywhere. If you live in Ontario and milk own why not ship your cream to the best market? Write for fuller particulars. TORONTO CREAMERY CO., LIMITED, TORONTO. ONT.

No More Cranking

No more back-racking, arm-cramping cranking—no more broken wrists or smashed teeth. The drudgery, danger and exasperation of cranking are eliminated in the

Renfrew - Standard

gasoline engine. It starts wrong start the Rentrew-Stan-der all conditions. Your boy can easily start the Rentrew-Stan-dard and run it. It's a pleasure to own such an engine. The latest and best type of gasoline engine for sale in Canada. Has frame and cylinder cast in one, insuring at all times perfect alignment. Carburetor is of simple construction and proper proportion to make a perfect mixture. The governor is of fixball type designed in correct proportions to insure close regulation of the engine. The importance of the foregoing points of con-the engine. The importance of the foregoing points of con-the engine. Stall explained in our bulletin. Write for a copy. gasoline engine. It starts without cranking, starts easily un-der all conditions. Your boy can easily start the Renfrew-Stanthe engine. The importance of the foregoing points of con-struction are fully explained in our bulletin. Write for a copy. The Renfrew-Standard gasoline engine is backed and guaran-teed by the same organization that build and sell the famous "Standard" cream separator.

THE RENFREW MACHINERY CO., Ltd. Head Office and Works: RENFREW, ONT.

Sales Branches at Winnipeg, Man. and Sussex, N. B.

Write us about the Gifford $1\frac{1}{2}$ h.p. engine. the handlest, most com-t and most wonderful little engine made.



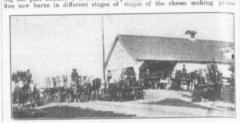
21/2 to 60 h.p. Semi-Portable as illustrated; Stationary and Portable.

November 14, 191.

Dairy Jottings

If a farmer finds that the cheese from his factory has been docked one-half cent he feels awful. Chances are half cent he feels awful. Chance: are we should dock him two or four cents. There is that much difference in the selling price, but if I should do such a just thing I would not dare to live in Brockville,—Senator D. Drby-shire, Leeds Co., Ont. We do not make cheese by grows at the factors. The wilk in the cent.

our factory. The milk in the vats and the whey are tested regularly for fat the whey are tested regularly for fat so that we always know what we are doing. The time for the various stages of the cheese making process



Milk as it is Delivered at the Larger Factories of Eastern Ontario

Milk as it is Delivered at the Larger Factories of Eastern Ontario To have each patron delivering his own milk han its advantages: the maker comes in closer contact with his patrons, his milk is in the vats earlier and his factory will make a better aboving in price per ext. of milk than where the drawer must be paid. But can the farmer afford to take the time of himself and team to deliver milk for a few cents a cert. If is could be more profitably employed at home. But the big advantage of route delivery is that larger factor. The factory here which means better equipment, but y mil to B. Bass is maker. Scence such as the annerciated. appreciated

erection. To me the one bad feature is determined by an acid test. Too of these buildings was that the milk many cheese makers guess at the test rooms were either right inside the and poor cheese results. Our cheese stables or connected with them by a has always sold for the highest price the stables of the stables of the highest price the stables of the stables of the stables of the highest price the stables of deor

I am told that the factory men made no objection to this plan as long as the milk is carried direct from the stalle to the room just as soon as it is milked and the room door kept shut. This may be all right, but in districts near Montreal where the farmers ship to that city the regula-tions regarding the building of the tions regarding the onliding of the milk rooms separate and in no way connected with the stable are most stringent. For all the difference there is in the cost one might as well build their milk rocm in the form of a separate building some distance from the stable. If the milk kept in a connected room is not good en-ough for the city folks then it is net good enough for the farmer or his family

family. COMMERE MILE AND ICE HOUSE If ice is to be used to cool the milk it will be best to have the ice-house cennected with the milk room and both under one roof. A milk abipper near Montreal has such a one built 14 feet wide and 24 feet long, with walls eight feet high, covered with seven-eighth inch matched spruce lumber laid over a 24 inch frame built halloon avie. The ice-house is it by 14 feet style. The ice-house is 14 by 14 feet square, and the remainder is for milk storage. This latter part has a plank storage. Inis later part and a prace tank lined with galvanized ircn, a Star aerator supplied by water from a tank set above it, which in turn is filled from a force fump in the well near at hand. A good set of scales is also kept in the room so all products

also kept in the room so an produces can be weighed. This building and aerator cest a tride over 890. There has since been a concrete floor put down which, to-gether with painting, will possibly bring the cost over \$125. But the concentrations and decombiness of such a convenience and cleanliness of such a building is worth a lot. and I believe that all farmers sheuld have some such building set at 50 or 60 feet distant from the barn.

Do not allow the cream to freeze winter.

offered on the Peterboro Cheese Board and lately a large part of it has been used for local consumption.-A. H.



What's The Matter With Your Butter?

Does it lose its flavor quickly? Does it acquire a bitter taste in a few days?

Are you receiving any complaints about the butter not keeping well?

Use the salt that does make good butter every time and all the time-



It is always the same in purity and strength. It won't cakedissolves evenly-and makes the most delicious butter you ever tasted.

The prize-winners at all the fairs, used Windsor Dairy Saltthat's why they won all the prizes. November 1

********* Creamer

Butter make contributions ask questions to butter ma subjects for letters to Cre Preven

Moldy butter

fected with me velop and grou faces. If tubs soned wood and no mold is like are filled with is usually wet filling process t to grow even at tubs are p e prevente the financial ad When mo narket it mus ub after being or less must be borne ides great an andling it. I ented at the c aving would reating tubs 1

d: First, by aturated solut ond, by paraff THE BR The tubs sh they leamed and f When cooled th oaked in the l then ready to provided in wh tubs is submer sures thorough

and can be u than by makin day. The brit ound fairly e nold, but man to paraffine th pose, thinking Paraffine sh Paraffine shough to slig efore cooling.

layer that is no stick to the but the tub. The given as 240 of the U.S. I Paraffine proper ter into the tu intil the insid oated. It ma nachine desig horoughly spr on the inside of

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FARM AND DAIRY

Creamery Department Butter makers are invited to send contributions to this department, to ak questions on matters relating to butter making and to suggest subjects for discussion. Address letters to Greamery Department.

Prevention of Mold

Moldy butter comes from tubs infected with mold spores which derelop and grow best on damp sur-faces. If tubs are made of well-sea-aned wood and stored in dry places so mold is likely to appear until they are filed with butter, but as the tub a usually we before or during the filing process the mold is then likely a grow even at low temperatures and great into the outter unless proper great into the outter unless proper precautions are taken

If tubs are properly treated before thang the trouble, in a large measure, can be prevented and thereby work to the financial advantage of the creamry. When moldy butter reaches the market it must be taken from the market it must be taken from the implatter being thoroughly cooled and the mold scraped off. This means mare or less loss of butter which must be borne by the creamery, be-sides great annowance to the dealer handling it. If these losses are pre-rented at the creamery a considerable varing would result. Two ways of sering would result. aving would result. Two ways of reating tubs have been recommended: First, by soaking the tubs in a saturated solution of brine, and, seond, by paraffining

THE BRINE TREATMENT

The tubs should be filled with a stong solution of brine and allowed to stand for at least 12 hours after shich they should be thoroughly deamed and filled with cold water. When cooled they should be lined with actiment liners that have also been saked in the brine solution, and are then teady to be filled with butter, provided in which a day's supply of ubs is submerged and the same brine used several times. This method in-sure thorough treatment of the tubs and can be used with est expense. The tubs should be filled with a sures thorough treatment of the tubs and can be used with less expense than by making a new solution each day. The brine treatment has been

day. The brine treatment has been found fairly effective in preventing mold, but many buttermakers prefer to parafine their tubs for this pur-pase, thinking it more effective. Parafine should be applied hot chough to slightly ponetrate the wood before cooling, giving a smooth, thin layer that is not likely to peel off and stick to the butter when removed from the tub. The proper temperature is given as 240 degrees F. by Rogers, of the U.S. Department of Agricul-ture. Parafine, after being heated to the U.S. Department of Agricul-e. Paraffine, after being heated to proper temperature, may be ap-d with a brush, or it may be pour-into the tub and the tub revolved a into the tub and the tub revolved intil the inside surface is completely oated. It may also be applied by a machine designed for quickly and horoughly spraying the hot paraffine in the inside of the tub.

MACHINE PARAFFINING PREFERRED

It makes no difference in the re-sults which method is used so long as he work is properly done, but the machine generally leaves a thinner out of paraffine on the tub and re-

at of parafine on the tub and re-ires less time to apply than the ber methods, consequently it is hally most satisfactory. In order to prevent mold, creamery extors should buy sound tubs made well-seasoned material, store them a dry, well-lighted, and, if possible, see the second state of the second state of the second store house, properly treat them only reaching the butter, and when filled store them in a dry driggestor until shipped to market. If these precations are taken the anger from mold will be very slight and the losses from this cause greatly reduced.—Circular 20, U.S.D.A.

Boost Dairy Cattle

Duois Darry Cattle That successful dariying depends in a large measure on the kind of it. It requires ter dairy cows is one of the things that the butter-maker should preach that the butter-maker should preach often uphill work due to the fact that the dual purpose talk is still going in favor of the special management and do it in such a way that it can leave no doubt in the mind of the pat-ring as to which course to take to get

also applied to dairying, and if a man milks cows anyway, why should be not milk good ones, instead of stripping beef cows for the fun of stripping beef cows for the fun of the stripping beef cows for the fun of the stripping beef cows for the fun of work to take care of and milk a cow that gives 160 pounds of fat as it does that gives 160 pounds of fat as it does way ahead of the fellow when her work to take care of and milk a cow that gives 160 pounds of fat, and who from the 300-pound cow than from the other kind?

The fellows who advocate the dual In rayor of the special purpose cow, and do it in such a way that it can purpose cow have a little argument leave no doubt in the mind of the pat-right now, as beel is quite high in the be most momey from dairying. There is an old saying, that any-thing that is worth doing at all is jof. But to get at the facts, take a worth doing well, and this can be

Would you hustle if paid well? We want a representative, —a real live one.—for the winter in your district to call on farmers. We will pay you well for work in spare time, or a steady job. Write to-day for the pro-position we have for you.—Circula too Department, Farm and Dairy, Peterboro, Ont.



practical uses for it on his farm-or any other farm. IT will pump water, saw wood, make electricity, grind feed, cut ensilage, shell corn, pull stumps, run a churn and separator and washing machine and operate

a spray-pump. What else will it do ? The engine is offered as a prize for the most complete

answer.

This contest is open to every farmer in Canada. You do not have to own an engine, or to buy anything from us, to enter it. There is no entry fee or other condition. All you have to do is to tell us what you could do with the engine if you had it on your farm

We're writing a book-"Uses For a Farm Engine."

As soon as all replies to this advertisement are received, we'll go ahead with the book, and will send one of the first

Its purpose is to show how our engines can be used to save labor and increase profits. We will do this by describing as many practicable uses as possible. We know already of many different uses for the engine, but we feel sure that you can tell us of others. So we're asking you to help us get information for the book.

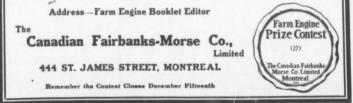
We'll give this engine to the farmer who gives us the greatest number of practical suggestions.

Mr. C. B. Ailardyce, Editor of "The Family Herald and Weekly Star," will act as judge and award the prize. Now think what you would do with the engine if you had it on your farm. Think of every possible way in which you could use it to do work that now takes the time of expensive hired help. Think how it could make your wife's work easier. Then sit down and write us. We have listed above, some of the uses we know about. You cought to be able to the for intervent.

copies to every farmer who enters the contest

copies to every farmer who enters the contest. Your answer must be mailed not later than Dec. 15, when the contest closes. The engine will be shipped to the winner as soon as possible thereafter, so that he will have it in time to use all winter.

have it in time to use all winter. Do not bother about the form of your answer-we want *ideas*, and *practical* suggestions, not pretty writing. When your letter is written, cut out the numbered seal in the corner of this advertisement and pin it to your answer.





T is the way in which a man decides little things no less than great ones that indicates what he is made of .- President Hadley.

For Educational Purposes

By ALICE PRINGLE (Farm and Home)

THE family of John Perter sat at , naturally the children would take to

HE family of John Ferter sat at the supper table in the wide, old-fashioned kitchen of the Porter estend. It was Saturday evening, teapot as she said: "I never had any learning te speak of, but there's nothhomestead. and Mr. Porter and his brother James, who had been visiting him for Porter and his brother a few days, had just driven home from the post-effice four miles away, with the week's mail.

Besides a bundle of letters for Mr. James Porter, there was the Grant-ville Gazette, the regular weekly paper, and a large square envelope for Connie, a slender girl of sixteen. This last was the cause of great specula-tion, before its recipient, with flushed face and nervous fingers, finally opened it. It proved to be an invitation to attend the exercises of the graduating class in a leading academy. It came from Josie Porter, a cousin of Connie's, and her name was in the list of graduates. The two girls had not met since they were ten, when Nathan Porter had brought Jesie on a short visit to her uncle's home.

The weekly Gazette lay unnoticed the weeksy sazette lay unnoticed while all examined and admired the invitation, and the appetite of at least one member of the family was affected

by it. "You don't seem to have paid much attention to education in your family, John." said James, as he glanced around the table. "We've done the best we could at

We ve done the best we could at the district school, but I haven't been able to send any of them away yet,' answered John, uneasily, looking first at his plate and then through the winat his plate and then through the will dow. 'We've had such pcor crops these several years now, and consider-able sickness and bad luck with the stock, so that I can't get around to

it just yet." "You'd better get around to You'd better get around to it pretty soon, John; these boys and girls are growing up fast. A few hundred dollars spent in that way would prove a good investment. You ought to make a scholar out of one of them at least."

John Perter coughed, Lut said noth-John Perter coughed, Lut said noth-ing: while Freeman, a sturdy lad of nearly twenty, who was washing his face at the kitchen sink, gave the rol-ler towel a fierce jerk. Amy, who sat next to her father, dropped her knife to the floor, and little Jimmie gave a low whistle

said James, reflectively, "they're growing up fast, and now's the time they need it. Nathan's fam-ily seem to take to learning like ducks to water. Josie, the one that sends this card, don't look a bit bigger or older than Connie here, and she has dider than connic the and any a four-years' course. It's astonishing what they can do, if you keep them at it. And

this large-visioned brother of made him feel terribly like a failure He remembered the time when the money received for every skunk and

money received for every skunk and 'possum caught in their traps was shared half-and-half. Then by and by James went out west and news of his success on a sheep ranch had reached them from time to time. John had stayed and tried to get ahead. but just now he was wondering whe-ther it was the difference of circumstances, or whether it was some fault in himself, that had made the difference between them.

his

"Invest a few hundred dollars in education." said Freeman with a education. said receman with a scowl as he went to the barn to do up the evening chores; "I'd like to see him get it first, here."

Amy and her mother wasned the supper dishes, for at the first oppor-tunity Connie fled to the little attic bedroom to examine the precious invitation alone. She scarcely regarded ed it in the light of an invitation, for ed it in the light she could not go. That naturally the children would take to it." Mrs. Porter's hand trembled on the tempot as she said: "I never had san berning te speak of, but there's noth-ing I wouldn't do to give my children a chance."

ng I wouldn't do to give my enddren be realized by ner cousin, nied ner chance." "You are just as good as buried invitation with admiring scrutiny; mong these hills here. It seemed the delicate engraving, the whitesilk



A' Home Indicative of the Prosperity of the French Canadian Farmer

What better evidence could we offer of the prosperity that reigns on many of the farms of our French Canadian eithers than the neatness and confort of the homes that grace the farms entered in the Farma' Contestic conducted by the Pro-vincial Government? One of these homes, that of Mr. Henri Mebert, St. Paul de IbeauxNoix, Jue. is illustrated herewith.

all right to me when 1 was a boy, but | cord and tassel, the motto, which was 1 couldn't stand it very long $mow_{i}^{(*)}$ in Latin, but which she know must said James. "Why, you're worse cff mean something grand; the list of than we were then, for we did get the mail every other day then, but since they have moved the post-office over to Grantville, you don't general-ly go over more than cnce a week, do you? And here you are, within fifty miles of three cities!

"My sheep ranch is a hundred miles ''My sheep ranch is a hundred miles from anywhere, but I get the mail every day. Have to have it. One of the men gets on a broncho and rides across the country abcut ten miles and waits for the stage to come miles and waits for the stage to come along; tosses up a sack, catches a sack that is tossed off, and is back in two hours. There's nothing like a sack that is tosed on, and is used on and is two hours. There's nothing like a daily mail to keep you cut of a rut." Then Uncle James looked around and concluded he had touched some family sore spot, and tried to change the subject.

But conversation lagged and the meal was finished almost in silence Then John Porter rose and walked out in the yard alone. He looked around over the farm that had been his hore other along the farm that had been can do, if you keep them at it. And around over the farm that had been ther Freeman, who was coming in at Connie's lips parted and her face his home when a boy; then to the ad-funded and paid by turns. "Yes," said John, "Nathan married a school teacher, and I suppose she by his family, but the conversation of by his family, but the conversation of

names.

Then she fell to imagining that the last name in the list was Connie Por-ter instead of Josie Perter, and let herself be in a seventh heaven of happiness while the dream lasted. Then she came to earth again and shed bitter tears of self-pity for the space of half an hour. Then she feil space of half an hour. Then she feil to blaming herself for her selfishness and discontent, and finally went down at the end of another half hour and sat on the back porch in the moonlight and listened to her father and Uncle James talk over events of their boyhood.

In a few more days Uncle James was gone, and as Connie came in from the gate where the family had gone to bid him good-bye she saw a yellow eavelope lying on the kitchen table.

On it was written in her uncle's hand, "Constance Porter, for Educa-tional Purposes." Connie fell to trembling and held it out to her brother Freeman, who was coming in at the door. He tore it open and found a bank book with a credit of five hun-dred dollars to Constance Porter, in

November 14, 1012.

of the afternoon and talked over Curnie's prospects. There was suc, planning and arranging, such congratulations and admonitions as set Connie's heart all a-flutter.

Connic's heart all a-futter. But when her head was on her pil-low, all through the long hours of the night, she fought a terrible bettle with herself, and in the morning she told Freeman that the money must be his. Uncle James had only juit it in her name, but he wanted a schoun made out of one of the family, and he, Freeman, must be the one. Then, when he could earn good wages. could help her through school, and they could help the others.

Her argument sounded very cicus, and for a few days Freeman al most concluded to use the money, ba it was finally agreed that Connie wa the one who should profit hy the one who should profit by he uncle's gift. And so preparation wa-begun for her to leave home early in September. Her father agreed & furnish her wardrobe, which was ven simple, and Connie put in all her spare time pouring over her school hooks

When the time came to go her fath er accompanied her to the city and made a visit with his brother Natha Her cousin Josie received her kindly and helped her to overcome her shy ness at her new surroundings. After a few days her father returned and Connie was left to tussle with her en trance examinations.

Josie took her to the academy and introduced her to the teachers : the dcor of the examination room closed on her and she wrote all da in fear and uncertainty. That night she could scarcely sleep for excite ment, and the next day she wrote again. Then there was all that nigh and the next day and night to wa for her grades. But the time finally passed and she held the paper which would admit her to the freshman class-

es of the academy. A change had been coming over Connie while she waited; she had been Sudying affairs in her uncle's family She noticed the difference betwee Josie and herself and rightly attr Luted it, not to a deeper knowledge buted it, not to a deeper knowledg mathematics or philosophy, but to more intellectual atmosphere of daily life. She remembered the ca-ness with which her father enjoyed ness with which her father difjord Sunday sermon and the daily pap She noticed the general air of telligence and the lively interest affairs of the world which charact ized the members of her uncle's fa ily, and then she thought of the pe round of daily work with no ou interest to which she had always accustomed. She thought of all thes things and many more-and the result was that Connie had another very bad night.

But when she rose in the morning she thought she knew her duty; and with Connie to know her duty was to do it.

Her Cousin Josie was shocked when she found that Cennie had decided by she found that Connie had deelded i return home, and begged her to n main and improve her opportunity "No," cried Connie, "don't tem me! I have found out what will he

us all at home so much, that I mu go back for a while, at any rate."

And so the next train took her back and she was set down at the Grant ville station in the forenoon an rode with a neighbor up to her fath er's house. She arrived when the family were eating dinner.

They supposed at first that she had failed to pass her examinations, and looked sidewise at her, pityingly. Bu her air of energy and resolution dis not betoken failure and they waite

for her to speak. After the meal was finished she cleared a space by her father's plan and sat down with paper and penel (Continued next week)

Novem

******* The Follow

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The Upward Look Following Vain Things

And Samuel said unto the people, turn not aside from following the Lord, but serve the Lord with all your heart: And turn ye not aside; for then should ye ge after vain things, which cannot profit nor de-liver; for they are vain. I. Samuel 12: 20, 21.

be constantly refreshed by communion with God in order that we may have grace to live at our highest and best. That is what the prophet Samuel had in mind when he warned the people of Lerael not to turn aside from following the Lord, but to serve Him with ull the terms of the serve Him The more we study our own hearts The more we study our own hearts and examine our thoughts and motives the better are we able to appreciate the causes which led the ancient 1s-raelites to sins se grieviously and so often. Human nature has been the same through all the ages. The same sins of pride and selfishmess, as well as an undue desire to have a good (ime, and which blinded the people of 1srael to their duty to God so fre-ouently that we merced as we goed following the Lord, but to serve thim with all their heart. Otherwise, he pointed out, they were sure to go after vain things, which in time of need would be of no avail to save them The same warning comes down through the ages to us. The things of quently that we marvel, as we read their history, hew they could have done it, lead us into sin just as easily through the ages to us. The things of this world, including wealth and earthly blessings, will be a benefit to us only as we avecyt them thankfully as from God and strive to use them for His glory. It is a lowly thing to walk so close to God that our thoughts are fore the commune with Hi to be the second state. and even more often than was the case with them.

Our failures arise from our neglect to live as near to God as we ought. We all know that when we shut our eyes when out walking we scon go astray and get off the path. We do not, however, realize quite so clearly that when we allow our thoughts to that when we allow our thoughts to wander away from God for any con-siderable pericd, we quickly lose the power to keep from sin. FARM AND DAIRY

Sin cannot exist in God's prese

When our thoughts are underlaid by a more or less conscious desire to do God's will, Satan flees from us and

keeps at a safe distance. As soon, however, as we allow thoughts of our

work or of our pleasure to claim an

undue propertion of our attention, we soon begin to feel that, somehow or

other, things are going wrong. Just as the machinery needs frequent oil-

ing in order that it may perform its full measure of work, so we require to be constantly refreshed by communion in order that it may perform its

wark so close to do that our thoughts are free to commune with Him at any moment. Such is the truly happy life. Until we have attained to it we have not found what it is to live our lives to the full.—I. H. N.

. . . Be good and you'll be happy.

from their sins.

One Woman To Another*

By Mrs. Alberta M. Kepper. Farm women hold a peculiar and important place in the world. They are creators of new wealth; for by their labors the poultry industry has assumed one of the most important assumed one of the most important places in the list of farm outputs; millions of pounds of butter annually youch for their unremitting toil; the home garden, shelves heavy laden with filled fruit jars-all these bear testimony to their thrift. "She looketh well to the ways of her house

Primarily, woman's sphere is net in following gainful pursuits, but as the provider of the honey touch that the provider of the honey toucn that only a woman's hand heids, she cools the fevered brow, she smiles when others sigh, and she that hides anx-iety in time of trouble is more of a help to the husband than any material lift affords

COMPANIONS EVER AT HAND. Farming life and isolation need not Le synonymous, for lonely hours come the joy in the companionship of auth-ors. The whole river of literature flows at her docr.

Farm women who were denied an Farm women who were denied an education in youth need not dispair. By systematic reading they may ac-quire a self-cultivation that will serve them well. The world is an educator, get out in it and elbew along

*Extract from an address before the In-ternational Congress of Farm Women, held recently at Lethbridge, Alta-

Getting it into our heads that we know it all has dwarfed many a car-cer. We should, day by day, advance mentally all we can. Every farm wom-an should be buoyed in the spirit that the world looks te her for men dj unfaultering trust in right from principle. She has better opportunity to keep close to her boy than the mother in the city where so many fields is not the same that hovero ore the saloon berdered sidewalk. Our boys are safe with nature as ther Getting it into our heads that we are safe with nature as their companion.

Women everywhere should add new beauty touches to the home; the ar-tistic is adaptable to the ccuntry as well as the city. Music is not so tastice is addiptione to the cataly as well as the city. Music is not so hopelessly lost in the farm house as in the tenement where none has time to listen.

to listen. We must hold up the hands of our husbands, urging them to meet com-bination with cooperation that a fair measure of the profits of his toil may return to him, and when it seems necessary to retrench a little here and there, let us accept conditions cheer-fully; this is a test of the true wife and mother.

In our little kingdom of home let us pledge our talents for its betterment.

A loaf of dry bread may be made as good as new by dipping it in cold water and setting it in a hot oven for a few minutes



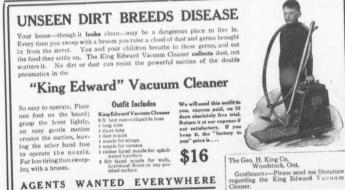
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The GEO. H. KING CO. Limited Manufacturers of Hand. Electric, Water Woodstock, Ont. Vacuum Cleaners 7

FARM AND DAIRY

Feminity on the Farm

Mrs. W. E. Hopkins Russel Co., Ont. Farming is incontestably the divine ideal of man's life upon earth, and those fulfilling that ideal must of ne-



mental Mrs. W. E. Hopkins equality, mental and material, in which they were first created.

Alas, that the most correctly cal-culated course should so often lead to a contrary conclusion. In no other condition of life are we offered so great a contrast between the superior great a contrast between the superior advantages of the male and the ac-quiescent humilty of the female, as on the farm. No where else do we find women so negligently provided for, so poorly paid, so complacently considered as only a chattel, a mere machine, a possession valuable ac-towing only to her working and child-usering enarity. bearing capacity.

THE VALUE OF A WIFE

And yet in no other condition of life is man so dependant on woman. The lawyer, doctor, pastor or merchant can conduct his business single-hand-ed; indeed, it is often to his interest and advantage to remain unmarried, and advantage to remain unmarried, but to the farmer a wife is as neces-sary as a farm. On her capacity and cleverness, on her tact and econ-omy, the success of his farming oper-ations mostly depends. If she be omy, the success of his farming oper-ations mostly depends. If she be strong and willing, if she will milk and churn, and raise chickens, if she be wise in her contact with his hired helg, and keen to look after her lord's business when he is away, if she man-business when he is away, if she manages to maintain a pleasing table with very little expenditure, it will mean all the difference between sucmean all the difference between suc-cess and failure to the fortunate man who possesses her. She will then shoulder the responsibility of the chores and the farmer's mind and hands will be free for his fields. He will be able to leave home without fear; he will be able to procure hired halo and work them to a more '. Yat fear; he will be able to proche mithed help and work them to a profit. Yet after she had done it all, after the cooking and milking, after the churn-ing and gardening, and all the rest of it, she is still only the unprofitable

Cleaner.

Address

Name

November 14, 1912

servant; "she has only done that which was her's to do

In any other line of life so fruitial participation in a man's busin would mean a recognized partnership. an undisputed authority, a share of the profits, or the very least, a stand salary. On the farm it means the woman gets her "keep," if she be allowed to expend the wi herself of the egg-money, not of the egg miney, not on nersen no, but on the household necessit-happy if she be even told the sell-price of the pet cow, calf or colt her own raising.

WOMEN RESPONSIBLE

But, if the farmer is unfair to his mate; if he stands as a monument of selfishness; if he is rude and hard-hearted, rest assured that he has rea-son for it. Do we seek to produce

The Real Thing

L IFE is made up, not of great sacri-fices, or duties, but of little things in which smiles and kindnesses and small obligations given habitually, are what win and preserve the heart and secure comfort. Humphrey Davy

that for which we have no demand Barring certain primal instincts man is what he has been educated to be, and ever since Eve taught Adam and ever since Eve taught Adam anent the forbidden fruit, woman has been man's educator and ~uide, Good, bad, or indifferent, man is born and made of woman.

made of woman. The undoing of the boy begins when he is a baby, for it is then that he is first taught to lord it over his sisters and mother. He is waited upon as if he were a prince. From the hour of his birth it is an unques, tioned understanding the disc would for him. His with a form of his own. Meanwhile they will serve their both-Catch a rarmer with a farm of his own. Meanwhile, they will serve their broth-er, and spend the freshest years of their life for his ultimate profit. After the servitude of his mother and sisters comes the flattery and ad-

ulation from the thousand and girls that cross his path before finally meets the "fortunate" and one finally meets the "fortunate" one that suits his fancy. As the whole aim of woman's life is but to please man; to cajole and caress and sacri-fice herself for him, each one that the boy comes in contact with adds her quota to the sum of his selfishness and self-esteem. Mother, sisters, com-rades, sweetheart, it is as a compet-tion as to which can most cheapen tion as to which can most cheapin her sex by giving the most and ask-ing the least in return. The wife caps the climax, turning a man made in the image of God to that of a crea-ture worse than many an animal with out reason, by lying down under his feet; but by that time his education is so complete that he walks over her with all the unconcern of not being able to know or feel that she is there

WOMAN'S WAY OUT

But as no condition can exist without a cause neither can it do so with-out the way of a cure. The cure in out the way of a cure. The cure in this case would consist in a read-justment of our estimates of the sexes. If we can only bring ourselves to do justice to the girl, the woman will do justice to the girl, the woman will be in a position to do justice to here solf. Under our present systemer rob the girl from the fit so here rob the girl from the fit so an un-welcome wo we rob here of all that the poride. We rob here of all that the poride, the healthy exercise and the developing freedom, the encou-agement and the reaword. It is through our defection that she is stunted in stature and made delicate of disposition; that she is rendered mother of nations! And why do we do it? After we are

And why do we do it? After we are And why do we do it? After we are gone will our children be better of happier, because we robbed Peter to pay Paul? Why, instead of feeling de frauded with a family of girls, can

Novemb THIS MUST

MAN tried to it was a fine ter with it. I w anyth it es much. Ar the man

of the main of the horse for said "Ail ri, me first, and back your horse isn't all eight as afraid the at all right at at all right at the the horse if I or it. So I didn't, So I didn't, Now, the king.

adly. Now, the king, ou see I mail Machines— vity 'Wash ad I sold to ut my Wash horse, and ai that way. agh to let p that way. agh to let p a month, bef ted to try th a month, bef ted to try th a know y do. I know y do. I know y

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MORR







anything about smuch. And I didn't the man very well

told him I wanted to horse for a month. i "All right," but first, and I'll give ald "All right," but re first, and I'll give ack your money if orse isn't all right." I, I didn't like that, a afraid the horse t'all right" and that hthave to whistle for any first or any first or any first the second first or any first or any first the second first or any first or any first the second first or any first or any first the second first or any first or any first term of first or any first or any first term of first or any first or any first term of first or any first or any first or any first term of first or any first or any first or any first term of first or any first or any first or any first term of first or any first or any first or any first term of first or any first or any first or any first or any first term of first or any first or any first or any first or any first term of first or any first or any first or any first or any first term of first or any first term of first or any first o that fight thave to whistle for oney if I once parted t. So I didn't buy the although I wanted by. Now, this set m

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us and 1 makes Waths-try" Washes. al and to myself, dots of problemay think works and about the man who worked it. If if never know, because they wouldn's how by main 1 how sold over that a mil-that way. So, thought, I, I is only, and that way. So, thought, I, I is only and that way. So, thought, I, I is only and insolve they pay for them, just as I out they the horse. I know it will want the cutters, without the or know it will want the cutters, without the or carling them, in least that half the solution of the out the out the out the out the time of tearing them, in least that half the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the solution of the out the out the out the out the out the solution of the out the out the out the out the out the solution of the out the out the out the out the out the solution of the out the out the out the out the out the solution of the out the out the out the out the out the out the solution out the solution out the solution out the out the

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ess me personally: MORRIS, Manager, 1900 Washer Co., nge St., Toronto, Canada.

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English, Scotch and Irish.

Party arriving November 11th and fortnightly after.

The Guild, 71 Drummond St., Mon-

treal and 47 Pembroke St., Toronto

Means a saving of money to the farmer

money to the farmer and his wife. The time and energy spent over the wash tub could be employed more profitably in some other way.

It might mean more and better

butter, poultry, fruit and eggs. The "Playtime" is adapted to

either hand or power operation.

HARD work of washing and saves wear and tear on the

THF PLAYTIME

WASHER

Dept. P.

Regina

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a child can a

not have them taught and trained ex-actly as if they were boys? Who are we that we should circumscribe the area off a girl's activity? To my mind, children should be brought up alike, given equal privileges and rewarded without regard to sex.

It follows from the preceding that if women want to better their posi-tion, they must begin to reform their own sex. They must learn their own value; they must combat their unselfish propensities, they must teach themselves that a woman cannot be a man's slave and his business partner at the same time. In the city the spirit of masculine gallantry and the glamour of courtesy have somewhat gilded the chains but beneath the gilt the condition is really the same; that on the farm is seen in all its cruditythat man the master and potentateman, the unpaid servant, existing only for the good of his pleasure or pro-. . .

Institutes That do Things

Mrs. E. Snyder, Dist. Pres. South Oxford Women's Institutes.

Our institute has a membership of about 50 ladies. We meet every second Thursday and usually hold our meetings at the homes of the members.

We have printed topic cards and We have printed topic cards and in this way each member knows a year ahead just what the programme is for each meeting, who will speak and the subject of their paper. After a paper is read we always have a few minutes for discussion. This gives us an opportunity to exchange ideas and we find these discussions very helpful. We have our Summer Series meetings every summer and the special work then taken up is demonstrations on

then taken up is demonstrations on sowing, cocking, etc., etc. I will give you a brief sketch of the work we are doing in our little vil-lage of less than 60 families. About two years ago we decided to organize a public library. We first held a garden party and ever and above all expenses, cleared \$80. The county and township councils granted us \$75 and with our 50 members we were able to start a library. The county council gives us \$50 a year, and we also charge a membership fee of \$1. also charge a membership fee of \$1. We gave another garden party this summer and cleared about \$100. ALL ARE DOING SOMETHING. Other branches in this district are

doing outside work such as helping the poor, giving to the Sick Child-ren's Hospital in Toronto, or helping to buy furnishings for their churches. One branch bought a piano and placed it in their library room where they hold their institute meetings. An-other branch has used the institute

funds for fixing up their cemetery. The different branches have differ-The different branches have differ-ent ways of raising money. Some hold little socials or "At Homes" and serve refreshments, charging a small fee. Others have garden parties, One branch has bought a vacuum cleaner and they are renting it. After paying for the vacuum cleaner they are using the money to buy little ne-cessaries for their church. Others are making quilts and distributing

them where they are most needed. I have recently received a letter from the secretary of the Children's Shelter at Woodstock, asking for help in this noble work and requesting me in this notice work and requesting me to bring the matter before the differ-ent branches throughout the district, which I expect to do as I visit them during the year. I certainly believe that the Women's Institute is one of the best organizations in Ontario.

. . . I received my premium dinner set for securing six new subscribers to Farm and Dairy, and am very much pleased with it.—Florence Cook, St. Malachie Co., Que.

(19) 1183



PLAIN BLOUSE OR GUIMPE, 7525



E OR GUIMPE, 755 Such a perfectly plain blouse as this one makes the best possible model for lace and fancy mate-rials. It can be made of one material throughout and worm as a blouse, or il can be made of an ar-tical and faced to form a yoke to be worn beneath an-other waist, serving as a guime, quite as as a guimpe, quite as well as it can be utilized for a blouse.

require 3 1-4 yards of material 18, 2 3-4 yards 27, 2 yards 36 or 44 inches wide and 12 yard 36 for the peplum. FIVE-GORED PETTICOAT. 7501 GIRL'S

This petticoat can be cut perfectly plain cut perfectly plain at the back, in habit style, or a little wider and laid in an in-verted plait, and it can be trimmed with embroidery and lace to be very dainty or it can be made very plain with only a hem as finish. For the 10 year size.

hem as finish. For the 10 year size, the potticoat will re-quire 17-8 yards of material 36 or 13-24 yards 44 inches wide, with 21-8 yards of embroidery 4 inches mide 17.9 wards of embroidery 4 inches wide, 17-8 yards of insertion and 31-4 insertion and 314 yards of lace edging to trim as illustrated

This pattern is cut or girls of 8, 10 and 12 years. ED SKIRT FOR MISSES AND SMALL WOMEN, 7504 in sizes for girls FIVE-GORED SH



The skirt made with envelope finish is a favorite one and this model shows one of its latest and pret-tiest variations. The right side is perfectly right side is perfectly plain and the left side can be finished with or without the plaited panel, but plaite used in this way are new and smart and in every way to be commend-or ed

10 For the 16 year size the skirt will require 4 1-2 yards of mate-rial 27 or 36 or 2 3-4 vards 44 inches wide for the plain skirt and 5-8 yard of any width for the plaited portion. This pattern is cut in sizes for misses of 14 16 and 18 years

SACQUE NIGHT GOWN, 7537

Here is a gown that may be made with high neck and that round collar, a yoke in front and back long sleeves and a pocket to give a very plain, practical ef-fect, or may be made with square neck and three - quarter sleeves finished with banding and frills to give a dainty, some-what more feminine. result.

For the medium size the gown will require 6 3-4 yards of mate rial 27, 5 1-4 yards 34 or 4 1-4 yards 44 6 3.4 or 41-4 yards 44 inches wide with 11-2 yards of banding and 21-4 yards of edging.

This pattern is cut in sizes from 34 46 inches bust measure.



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E. CLARIDON, OHIO



Address all correspondence to Box G, Kalamazoo, Mich.

FAIRVIEW FARMS HERD

Offers a spiendid son of Bag Apple Korndyke, the young bull we recently sold for \$5,000.00, and out of a pound daughter of Pontiac Korndyke (record made at 4

DAN DIMMICK & BRO., Props.

COUNTRY DISTRICTS (Continued from page 4) lowa neighborhood 1 know two home-steads that have recently been joind in one, and one set of buildings now stands idle. Questioning brought our the truth that the purchaser didn't need the land to farm, but that land was increasing in value and he wanted it for an investment.

"Now if every bit of agricultural improvement is capitalized in the val-we of land, and if improvements are seven discounted in advance in the price of land, how can better roads, better schools, better social life, bet-ter ohrurbes, better agricultural edu-cation, er av other good hing, halo Ter churches, better agricultural edu-cation, or any other good thing, help landless young men to buy farms of their own? These things increase the earning capacity of land, but their effect is also disconned in adtheir effect is also discounted in ad-vance, so that the purchaser of the land has to pay for something that he more realize upon in actual re-umny years. Struggling young men cover from that sort of a game.

there this year will be along lines for rehabilitating the country. They are going in for better schools, better roads and all the other good things that will pour value into land. These are good things in themselves, but unless lows statesmen prevent their school to be a state of the price benefit being capitalized in the price benefit being capitalized in the price can't engage in that sort of a game. "We frequently hear learned men say that the bad features of high priced land can be overcome by givof land in advance they cannot hope to stay the flight of farmers from that state to Canada, Texas or to the say that the bad restures of high priced land can be overcome by giv-ing young most shows a pool agricultural education, so that they can make the training of the land equal its pright get in on that, but as soon as to make returns upon land with a value that had praviously been specu-tor its padd emonstrated their ability while that had praviously been specu-tor its possibilities would be dis-well try to litt yoursall over the fence by your boot strapsely of land overtake its price in country where and is in denning again developing community or nd. The greater the fence by your boot strapsely of land overtake its price in country where and is in denning the greater the former of the post of the investments of the future can the increasing community can the investments who be that encourages the ownership of that encourages show where sho and dissourages the ownership of what the tas use. WIAT FIGURES SHOW city.

WHAT FIGURES SHOW

it. Young men would buy it because it would not have speculative value. It would give us fewer tenants and more independent, land-owning farmers, smaller farms with more posulation in the country—bit things that we must have to bring about the ideal conditions about which we talk at such meetings as this. This thing has another handle: rural denomi-WHAT PRCERES SHOW "I think I can show by the census figures that land prices do affect the movement of pointance, in Illinois, the average in rease in the price of land 100, was 104 per cent, and the loss in rural population .5 per cent. In lowa land increased in selling value 122 per cent, and the loss in rural population was 7.2 per cent. In Missouri the selling value of land in-creased 107 per cent, and rural popu-cents of the rest of rural and in-creased 107 per cent. Missouri the selling value of land in-creased 107 per cent, and rural popu-lation decreased 3.5 per cent. It is perfectly clear, I think, that a large part of this increased price of land was speculative, a discount of future was speculative, a discount of future possibilities arising from the demand for land, rather than a capitalization of actual income-producing capacity. of actual income-producing capacity of The income-producing capacity of land did increase, the average for the United States being 54 per cent, as we have seen, but the price of land outran this.

outrain this "If hand has a selling price above the sapitalization of its actual income-produsnice for the tabor of production and other costs, the young man with and ther costs, the young man with become a tenant farmer, or move out and feave the land to men who can afford to own it with its speculative value, because of the hope of reaping more increase in value. more increase in value.

WHY FARMS GROW

"We sometimes hear it said that We sometimes near it said that our farms are growing larger because the large farm pays better than the small farm. Perhaps large farms pay better. I don't know about that, al-BOLSTEINS- Years atok for sale Sired brought in the sale has yet to be the paraline Deriod. whose is proved. This I do know, however, and that is I do know, however, and that is that when a man sets in 7 days-at R. W walker. Video, Ont.
CLYDESDLES, Imp. Stallors and Pil his farm his motive is usually to find like. From mare guaranteed in feat. - 4. 6. J. Semple, Miveron, Ont, and Luverne, Minn., U.S.A. November 14, 1912.

"Iowa educators are greatly arou

Now educators are greatly aroused over the rural depopulation of that state and their state campaign over there this year will be along lines

UNBARNED FNCREMENT

"The chance to reap uncarned in-crement is the thing that is causing our farms to grow larger. The pros-

rement is the thing that is the pros-perous farms to grow larger. The pros-perous farmer sees how land is going up in price by leaps and bounds and he gets the bug and buys all be can

the dets the bdg and buys an recom-hold whether he needs it or not. I have no fault to find with the man who does this—I fault the system of taxation that makes it profitable. "When by taxation you make it un-profitable to hold land for the rise in the ownership of price you discourage the ownership of

land by those who do not use it. They would rather invest their money else-where. Hence under such a system of

taxation we would expect to see the

owned

nercentage of farmers who owned their land increase, and the percent

regard for and increase, and the percent-egs of tenant farmers decrease — a third yeary much to be desired. Men who had more land than they could profitably farm would let go some of

it. Young men would buy it because

has another handle: rural depopula-tion is a menace to business in country towns, and anything that will re-store agriculture will help business, and ought to be pushed by business

ENCOURAGE IMPROVEMENT

"The farmer with a farm well stock "The farmer with a farm well stock-ed and improved would pay no more taxes than now, and in many cases small farmers, such as Arnold Mattin of Pawnee county, with his twenty acres, would pay very much less than they now pay-the reason being that they would not have to pay on per-

would discourage holding land out of concage the improving of land and the holding of land in units of the greatest productive capacity, whatever that may be? It makes no difference to malabout the size of farms if the

condition is natural, and this would put us on a natural basis instead of

the unnatural, speculative one upo which we are now established."

the flowers need sunshine, young lives require amuse

scription to Farm and Dairy.

Fill the home with bright, cheerful games and amusements.

voung lives require amusement. -Marion Dallas, Carleton Co., Ont.

Now is the time to renew your sub-

Just as

sonality and improvements. property exemption would exceed the property exemption would exceed the increase on their land. The man with a lot of land and no improvements, on the other hand, would find his "Gan't you see that this system would discourage holding land out of use, or in only nartial use, and en-

November 1 HOLS

Forest Ri few sons of from tested

ale, from tested of odering quality. Also a few Heife Write us for whome and see the H. LIPSITT, S

> HOLSTEINS A R. of P. ar

Sir Lyons Hen cord 33% lbs. I 1. McKenzie,



GLENDAL

GLENDAL rtire drop of res and a lim se three neare 0 Sylvis, over M. at 1 year i). Lulu Keyes mior two-year-el Pet Posch years (world's All corresp ed. 'nđ. WM. A. SHAW, B

WA

Man who under ittle and hogs. ork and will ta be one wanted. wanted or

THOS Hich How Stock



The first 31 lb. reloped here. The hat contains a 12 The only herd i rear-olds with fir b. butter in 7 da lae the only here junior two-year. 2.1372 lbs. mills If you want to weare a built rea and, all sired by our d dams average ns average

EDMUND LA IN COUNTY. A

Korndyke

9459, is offere DeKol's Korn Pieterte Paulins f milk, 667 Ibs, ter to Butter B r in 7 days at 2 of Ponts t Febr m is 7 da quiet GEO. MOORE & S

Avond HOLSTEINS, CLYI AND

A. C. Har

To make r Prince Hengerve og a few temale ed bull in Car od yearling ra Address all

H. LORNE Brock

Oalf is five months old, nicely marked and straight as a string, and I will sell him. Well worth the money. WRITE ME FOR PRICE, STC. E. H. DOLLAR, Heuvelton, New York (prescort)

This Shows Pontiac Korndyke

THE great seventeen-year old Holstein bull that has such a splendid reputation as a getter of high producing Holsteins.

This bull has sired 12 daughters with records better than 30 lbs. of butter in 7 days. Four of these have records exceed-ing 37 lbs. butter in 7 days !

He is the size of "King of the Pontiacs" (a bull with two daughters having records exceeding 30 lbs, butter in 7 days, these records made as 3year-olds) which is the size of my stock bull,

Prince Hengerveld of the Pontiacs

I am offering some young stock by this great bull of mine-young bulls out of excellent dams with good records. Also some females. All priced reasonable so they will make you money.

Come and see them or write :

THE MANOR FARM GORDON S. GOODERHAM

BREEDER'S DIRECTORY

Cards under this bead inserted at the rate of \$400 a line per year. No d accepted under two lines nor for less than six months, or \$6 insertions card accepted under t during twelve months.

P. a start and a start and a start and a start a start and a start a s

HAMPSHIRE PIGS- Canadian Champion herd Boar herd headers. Sows, three months and under. Hastings Bros., Cressbill Ont

Crosshill Ont FOR SALE-2 Sons of King Payne Segis (Norhilde, from R. O. P. cows. Also three Civede Fillies and 3 Stallions. Yearlings. -R. M. Holtby, Manchester. Ont.

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HOLSTEINS Forest Ridge Holsteins

ale from terms to allty. Also a few Heifers bred to him for sale. Write us for what you want, or better, one and see them. Anything we own is

L H. LIPSITT, STRAFFORDVILLE, ONT. Elgin Co.

HOLSTEINS AND TAMWORTHS E. of P. and B. of M. Dams, sired Sir Lyons Hengerveld Segis. His dam's cord 33% lbs. His sire King Segis.

1. McKenzie, Willowdale, Ont.

LILAC HOLSTEIN FARM

Offers young stock, One or a Car Lot. W. FRED. STURGEON

Glen Buell, Ont. Jellamy's Stn., C. P. R. Brockville, G. T. R.

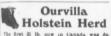
GLENDALE HOLSTEINS

GLENDALE HOLSTEINS Entre orop of pure-bred Holstein Bull ives and a limited number of Heiters, use three nearest sizes have an entry of the size of the size of the OM at 1 year 11 months (world's --of). Loik Reys, 15,868 Has, Butter and Loik Reys, 15,868 Has, Butter two-year-old (world's record), and well bet Roed, De Kol, 380 Has, butter trend. WM. A. SHAW, BOX 31, FOXBORD, ONT.

WANTED

Mau who understands the care of dairy stile and hogs. A man who loves his tork and will take an interest in it is be one wanted. state wages expected and give refer-

THOS. NOBLE



The first 31 b. cow un Ganda was de-wieged here. The outly herd in Ganada hat date contains a 199%, b. 3049 cow: The only herd in Ganada where 18 T50 h. butter in 7 days have been developed, sie the only herd in Ganada containing indit two-reactoids averaging in R. of H you want to raise some of this kind sers a built ready for service or buil and all sized by our built where two mear-the.

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

Korndyke Pieterte Paul **Drudyne Pieterte Paul** 1000 in offer for sale. Sin: Margine Divisit Korndyke, No. 3308; dass. Hei-Fleriete Pauline, No. 3378, reado el H. 360 do sile, 1037 lbs, butter in Il months. She in 7 days at 2 years old. ann's dam is sister to May Echo, 31.34 heirie in 7 days at 2 years old. Sinter in 7 days at 2 years old. Institute in 7 days. He also combines the lang of Pontiac Korndyke. He was two Units annount, is a very large, low set was due to that annount is a very large, low set w. and quiet. Run with the cattle all the 'Very aree.

GEO. MOORE & SON, Protoa Station, Ont

Avondale Farm OLSTEINS, CLYDESDALES, YORKSHIRES AND DORSETS A. C. Hardy - Prop.

To make room for daughters of Prince Hengerveld Pietje we are offer-ing a few temales, bred to the greatest

ed bull in Canada, also a few extra od yearling rams Address all correspondence to : H. LORNE LOGAN, Manager

Brockville, Ont.

FARM AND DAIRY

rest Ridge Holsteins MARKET REVIEW AND FORECAST MARKET REVIEW AND FORECAST

Toronto, Monday, Nov. 11.—The recent price is 46 to 56c a docen-mild spoll has had its effect on business. No charges are noted at Montreal, but receipts have failen off nomewhat. The shock is only to 16 line off nomewhat. The product of the spectral sector of the sector of the sector feature all around is the small effect which factors that once counted for a great deal in business now have. For in-stance, the depression that has alwaya ao transce, the depression that has alwaya ao transce, the depression that has alwaya ao the sector of the sector of the sector of the sector around the sector of the sector of the sector of the sec-tor of the sector of the sector of the sector of the sector that has the war in the Bal-ham had the influence that is would have. The sector of the sector

ments that determine prosperity and de-pressions and not politics. Affairs on the agricultural produce mar-kets in the last week have on the whole been favorable to the producer. Butter is steady to higher. Live stock a trifle

Personal

Would you like to have a picture of your best cow in Farm and Dairy's great Breeders' Number out Dec. 5, in time to be distributed at Cuelph Winter Fair?

Would you like us to pub-lish a photo of some animal you have for sale?

Write us to-night about the matter.

We will print over 16,500, and mail them all out for you. This is worth your while. First come first served !

slight declines. WHEAT stronger. Wheat and coarse grains show

Prices are a trifle stronger, but this does not indicate that the market is on Prices are a trife stronger, but this does not indicate that the market is an too strong a basis. Parmers are unwill-control of the strong and the strong central last strong and the strong and central strong and strong and strong and the strong is may alread of 1911 and good erops in forcing nountries have lessence export domand. Quotations are as follow: No. 1, 544. No. 2, 84 to 8115. Hay retails on the strong and based and strong and

811 to \$11.80. EGGS AND POULTRY The past week has seen a decided ad-vance on the egg market Receipts are very shack, and were it not for coid stor-age supplies eggs would be out of the reach of the average eggs. Se to 20er fresh eggs, Me to 35e and new laid, 40e to fresh eggs, Me to 35e and new laid, 40e to

a pound when marketed as prints. Last veek we prediced an increase in the near future in spite of the larger make at com-bined objects fastories and creamerics. The state of the butter market poes to indicate that during in formand is not developing at the same rate as is con-sumption. Wholesale quotations are: Daily prints, Se to 37c; creamery prints, Je to 35c; solids, 35c to 55c and inferior; 26c to 35c. Uncocc

HORSES

Quotations are as follows: Choice heavy drafters, \$210 to \$330; fair, \$175 to \$232; choice, 1,500 lbs, and over, \$250 to \$330; fair, \$190 to \$151; agricultural, good, \$150 to \$230; fair, \$100 to \$160; drivers, \$130 to \$175; saddlers, \$160 to \$300; express horses, size to \$250; cmain to \$200; and the stores, \$155 to \$200; main to \$200; express horses, \$150 to \$200.

Silo to 2000. LIVE STOCK The cattle market has been a shade frome this week than in the week pre-trong. Receipts have been moderate, there is no fear of the heavy runs that have sometimes almost demoralized the market in the serier part of the week, As guard, the best dismand has been for the though in small supply, have just held their own.

There seems to be a lot of surplus feed throughout the country, and the demand

ELMDALE DAIRY HOLSTEINS A few Females for sale. Calves, Year-lings or Cows. 50 head to select from. Most of the young stuff sired by Paladin Ormsby (7515). Service bulls, Paladin Ormsby and Highland Calamity Colantha (12,453). FRED CARR. BOX 115. ST THOMAS. ONT.

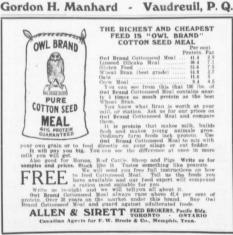


ALLISON STOCK FARM

W. P. Allison Chesterville, Ont

CLOVERLEA HOLSTEINS LEAVELALEA HOLSTEINS Herd headed by Rag Apple Korndyke Korndyke. This is the blood that will herd. Last year's bulls all sold. Book-ing orders for coming erop from high-testing females. Write as John J. Tamahill. Whites Station, Que.

stead of Manhard, Ont., where I will be in a better position to furnish my customers with No. 1 Holsteins.







1185

(21)

HOLSTEINS

We will be pleased to answer your enquary as to reding, description and price.

Notice : After 1st of October, 1912, kindly address all correspondence to VAUDREUIL, QUEBEC, in-



HOLSTEINS

LAKESIDE DAIRY AND STOCK FARM Present offering, Bull Calves from Record of Performance dams; also a few females.

W. F. BELL, BRITTANNIA HEIGHTS, ONT Ottawa Bell Phone.

CAMPBELLTOWN HOLSTEIN HERD

Headed by KORNDYKE VEEMAN PONTIAC. le is a son of Sir Korndyke Pontiac Artis. Andhis am is the great young cow, Beatrice Korndyke ontiac Veeman. Record at years i month, Lopodo is a son of Sir Korndyke Pontiac m is the great young cow, Bea mtiac Veeman. Record at years i. of milk in 30 days and 80.13 h m is a 20-lb, 4year-old daughter ingerveld. Orders booked now f yeember Bull calves from this gro who have good records and good offic R. J. KELLY, Campbelltown Farm

TILLSONBURG, ONT.

LAKEVIEW HOLSTEINS

To make room for the coming crop of culves, we are offering bulks of the rich-cel bread bread of the rich-sing of Colamba Johanna Lad, all out of Bread of Merit dams. Come now and get

. BRONTE, ONT. E. F. OSLER

"LES CKENAUX FARMS"

HOLSTEINS-Winers-in the ring and t the pail. Gold Medal herd at Ottawa Fair. They combine Conformation and Pro-

and Heifer Calves from our win-

Bull and Land ners for sale. DR. L. DE L. MARWOOD. D. BODEN, Prop. Man.

RIVERVIEW HERD

Offers Bull Calf, dam 15.98 lbs. r. 2-year-old: her dam as 7 lb. eow and G.dam a 32 lb. cow. Sirag Isabella Walker, whose dam and her daughter, dam and G.dam of his sira wraras for the four 30.17 each. Also a fix A.R.O. eows. P. J. SALLEY - LACHINE RAPIDS, QUE.

Going at \$50.00

Registered Holstein Friesian Bulls, various ages. Come and inspect them. Send for photos and tabulated pedigrees

GEO. J. NORTHCOTT. "Clarum Brae," Solina, Ont. C.N.R. Station Solina on the farm, a few minutes' walk from buildings.



Holstein Friesian Asso., Box 148 Battleboro Vt

whend Regist



nicely marked, large and in good of Parties wanting a carload should

CLYDESDALES - We ave over 30 head to choose rom. Come and see them !

Fierheller Bros. Bell Phone, C.P.R. Station PORT ELGIN. ONT.



LYNDALE HOLSTEINS

We now offering 1 Bulls, nice of area more flowing 1 Bulls, nice of area more flowing 1 Bulls, nice of area more the energeneid 1 dt, A. R. (0, 53). Bits of a second seco . LYN. ONT. BROWN BROS.,

FARM AND DAIRY

for feeders and stockers is good. An aver-lows Export cattle, choice, 66 to 86.35, hutcher cattle, choice, 66 to 86.35, med. to good. 84.30 to 86; choice cows, 84.75 to 85.35; froziers, 84.330 to 68.75, stockers, 51.20 to 87.30, Mich cows are meeting with a better.

81.50 to \$2.50. Milch cows are meeting with a better demand, choice ones ruling at \$50 to \$80; com to med., \$40 to \$55 and springers, s40 to \$80. Calves are \$3.75 to \$9.25.

Why keep your surplus pure bred stock any longer? It is eating up your profits. Now is the time to sell it. Your advertisement placed in Farm and Dairy's live stock columns, will tell more than 16,-000 nessible burgs of the that 16,-000 possible buyers of what you

000 possible buyers of what you have for sale. Fix up your ad. to-night. Send it to Farm and Dairy by first mail, and it will be in time for next issue.

This satisfactory way of mak

This satisfactory way of mak-ing sales should pay you well. Costs you only \$1.40 per Inch for space you need. Delay is cosity. Act now. Or-der your ad. to be in several is-sues, and in our great Live stock Number, Dec. 5th.

Mutton is a trifle easier: Lambs, \$6 to 86.50: ewes, \$3 to \$4.50 and bucks and culls, \$1.50 to \$3.50.

cuis, 51.50 to \$3.50. Hogs dropped considerably the first of the week, but have strengthened some-what since. Packers now quote \$7.90 f o.b. country points.

MONTREAL HOG MARKET

MONTREAL HOG MARKET Montreal, Saturday, Nov. 9--There was a decline in prices puid this week for live hoge, owing to the increased supplies and this and all demand, and selected lots and the start of the start, weighted of were not start, weighted of ores: frenchilde dhattori stack was quoted at the end of the week at \$12.55 to \$25.50 ac ext.

R

RECORDS	OF	AYRSHIRE	COWS LAST	AND H REPORT	EIFER IN R.	OF P.	HAVE	QUALIF	

SINCE LAST REFERENCE				
Mature				No.
	ss. Milk. I	bs. Fat.	Fat. 1	Days.
Name Owner. Lt		443.62	3.64	340
Name- Amy, 30,017-Geo. A. McMillan, Greenbank, Ont . 1 Amy, 30,017-Geo. A. McMillan, Greenbank, Ont . 1	2.107.0	421.27	3.96	365
	0,035.90	461.07	0.00	
		374.16	3.91	365
	9,547.5	350.29	3.70	317
	9,462.25	449.37	4.93	365
	9,114.25		3.81	325
	9,084.5	346.32	3.45	300
	9,035.3	311.74	4.35	365
	8,832.55	384.42	4.00	300
Lessnessock Grace Darning, and Bros., Beachville, Chief's Buttercup, 30,383-Collier Bros., Beachville,			1.02	341
Chief's Buttercup, 30,363-Conter Did	8,554.3	339.61	3.97	941
Ont Four Year Old				354
a rest Collier Bros	9,920.6	416.2	4.20	
Polly 2nd Bernbrook, 34,651-Collier Bros	9,723.35	383.44	3.94	345
Polly 2nd Bernbrook, Stath, Drayton, Ont Ruby, 27,701-Dr. E. Flath, Drayton, Ont	8,729.5	327.17	3.74	365
Three Year Old W. Vanderhoof				
Queen of Bryn Mawr, 29,565-H. W. Vanderhoof,	8,644.5	279	3.22	305
Queen of Bryn mawr, 25,000 H. Stoken, Huntingdon, B. C. 19 (45 - Geo. H. Stoken,	4,011.0			
	8.451.25	352.81	4.17	349
Tweed, Ont. Trammon Crookston,	0.493.000			
	8,140.45	364.93	4.49	330
	0,140.40			
	8,096.8	321.44	3.96	299
	0,090.0			
	9,830.95	376.39	3.76	368
Bright Lassie, 30,016-Wm. Thorn		9101.00		
		452.28	4.62	363
		365.81	4.11	36
		414.59	5.01	36
	8,271 25	414.09	0.01	
		325.55	4.33	36
	7,604.5	328,94	4.52	36
			4.53	. 36
Pansy, 32,273-Wooddisse Bross Princess of Tanglewyld, 31,272-Wooddisse Pros	7.137.75	123.43	4.27	* 36
Princess of Tanglewyid, Shares Bross Easter, 32,769 Wooddisse Bross	6,757.25	283.65	4.57	
Easter, 32,769-Worldmise In June & Co., Menie, June Morning, 31,187-Alex. Hume & Co., Menie,		and the second second	4.06	34
June Morning, 31,187-Alex, Hume L	6,716.5	272.75	4.30	3
Ont-	6,619	285 19		3
Lady G. 30.015-Wm. Thorn Provide P.E.	6,507.25	267.29	4.17	3
Lady G. 30.015-WH. Thirns, Freetown, P.E. ¹ . Pansy, 30,214-S. R. Cairns, Freetown, P.E. ¹ .	6,418.38	255.61	3.98	3
		277.01	4.30	
p'E I	110	od in the	Record	of 1

P. E. I. Up to date 254 Ayrshire cows and heifers have qualified in the Record of F form on test-

from these current last week, and it looks very much as if the lower prices for this e-non have now heren reached, and that the remainder of the cheese will be clear edu or at about these prices. Convent of the clear the clear the clear the cheese is a still command is a largely due to the fact that the demand to supply the watern trade is antirely for colored cheese, as a number of orders are coming in for shipment to that part of the cou-try. The difference in value that here in for shipment to that part of the cou-try. The difference in value that the be-ing the price of the start of the cou-try. The difference in value that the be-ing the start of the country have a start of the cou-try of the factories have closed for the season, and most of the country incent week ploten. Brochwile The receipts are drouping off rapidly, and this week the indial plate.

nd one or two others. The receipts are dropping off rapidly, and this week the total received into Montreal amounted to harve 40,000 hoxes. The shipments were fairly heavy, and stocks are rather smaller than they reme-last week, but still there is no doubt that the ship of the shift of the shift of a shift of any the winter months than there was hast year. year

The market for butter is steady, and prices are the same as are current has weak, finest Earcent Townships butter being quoted at 0.15 to to R e a pound, into quantity of New Zealand butter being and an contract to be delivered throughout the winter.month as a prices randing from 30 Le to 30. There is a sold on contract to the delivered shipments each week aggregate 6 to 10 curledont. The market for butter is steady, and cur-loade

QUEBEC HOLSTEINS FOR AUSTRALIA QUEBEC HOLSTEINS FOR AUSTRALIA That the district of limitathronis, On-ter, is collisionetta have been made to hoth South Africa and Japan. Probably all records for long distance alignment were broken, however, last week, when Jack Tamohill shipped Borad of regi-tered Holatcies, consigned long of the Australia. Two hord, one from Mr. Australia, Two hord, one from Mr. Eiler More and M. McBack, of Howick, and two from J. McBack, of Howick, laple. The shipment consisted of six yearling

OPPORTUNITY TO SELL YOUR STOCK

OUR STOCK : We offer you an attractive spon-tunity in our great 4th such Receders' Maggaine Number, be, 5, to sell your surplus stock shrough Write us now for particular about an ad for you, or about write as now for particular about an ad for you, or about about an ad for you, or about about an ad for you, or about published in other Same Circulation at Guebha Winer Fills Earne Greatation at Guebha Winer Fills Mark Director Directors Mark Director Directors Mark Director Directors Mark Directors Directors Mark Directors Directors Mark Directors Directors Mark Di

FARM AND DAIRY, PETERBORO, ONT



R. C. DESROCHERS.



Two boars to months old, for servi at once. Sired by Maplehurst Su beam. For prices apply

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YRSHIRES	il kinds. In fact nerv trouble of iniment can cure
lewyld Ayrshire	Ze at all deal
on Herd of High-testing Lee mance Gows. Brace Cows. R. of P. test 13,855 he milis fat, at the bead of th. bed holce young stock, both set w mature cows for sale SE BROS. • ROTHSAI.01 Long Distance 'Phone.	
a in the show ring and a nimals of both sexes. Inve dian bred, for sale. listance 'phone in house. ESS. HOWICK. #	Under the (

Inspection 28,87

LAKESIDE FARM. PHILIPSBURG. (M GEO. H. MONTGOMERY, Prop. 164 St. James St., Montre

J. W. LOGAN, Howick Station

November 1



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That is Mr. St

Douglas' Eg

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Toronto S The material galvanized steel perfect. It wor The guages an intended use. teed. Don't huy soon rust and We employ a mon know thei ly, turn out ta time. You probably so send for an tive pamphlet estimates on

SEALED TENDERS, addressed to the driving and endorsed. The second of the second second second second well by the received until 4.00 pm wells mentioned and the second second second second and the second second second and the second second second and the second second second second second second second second second the second second second second second second second second second the second second

Department of Public Works, Ottawa, November 7, 1912.

Newspapers will not be paid for this vertisement if they insert it with authority from the Department. 300



in 2 month, the other later. Out of best imported stock.

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Champio of Perform Royal St of Eileen, 635.48 lbs.

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Duncan MacVannel ST. MARYS - ONTARIO

and wounds d flesh. It o swelling out o inds. In fact ouble of can cure all dea Douglas

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Persons wishing

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Long d R. R. N LAKESIDE AYRSHIRE

WARESHIE ATRONT We are offering a number of new Bulls of different ages, sired by "eakle Cheerful Boy" (Imp.) To see of them are from dame already est the Advanced Register, while the a number of the others are at pres der test for the Record of Periora

apply for particula SUNNYSIDE AYRSHIRES A. P. W cretary, Stal PARLIAMENT I

('Phone in house.)



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Sell Surplus Stock Why keep your surplus pure



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The material is the best Apollo galvanized steel. The galvanizing is perfect. It won't rust. The guages are heavy enough for intended use. Solder is guaran-ted. Don't buy cheap tanks they non rust and leak.

We employ good mechanics-our men know their trade-consequent-ly, turn out tanks that last a life-

me. You probably need another tank, send for an interesting descrip-ve pamphlet and sik ior our timates on your requirements. diress the office nearest to you.

Address the once a Pump Co., Ltd. Winnipeg TORONTO Calgary

IT IS SIMPLY INVALUABLE

That is Mr. Stewart's Opinion of Douglas' Egyptian Liniment

Mr. Israel Stewart, of Desmond, Ont., as given Douglas' Egyptian Liniment a rey thorough test, and this is what he are about it:

"After using and making some After using and making some re-trahle and speedy curves with spin's Egyptian Liniment, I must gin's Egyptian Liniment, I must gin's end the speed of the most have ever used. We had a horse dy injured in the pasture field and here were aware of is the wound in a wery bad condition, but Egyp-a Liniment soon dislodged every is the horse is a simult treasmin. In the house it is simply invaluable in cases of rheumatism, sciatica, neural-burns, spraina or bruises. It is a n to humanity."

on owe it to your family, and your ck, to keep a bottle of Douglas' Egyp Liniment always on hand, ready for nt 1180.

atops bleeding at once. It heals and wounds without inflammation or difesh. It quickly takes the pain ascilling out of aprains and bruises of kinds. In fact it is simply splendid for v trouble of man or beast which a ONTARIO rshire

all dealers on Douglas & Co., Napanee, Ont

n cure



Persons wishing Stallions inspected should apply for particulars to SHIRES

A. P. WESTERVELT

sd, are d type and otion. TH fall, simi "-26.641-In of various and set. k Station cretary, Stallion Enrolment Board PARLIAMENT BUILDINGS, TORONTO

FARM AND DAIRY

ONTARIO

WATERLOO CO., ONT.

WELLINGTON CO., ONT.

FERGUS, Nov. 1.-Threshing is the order of the day. Grain is turning out well. Wet weather still continues Potatoes are up in most places and are badly rotten.

to have scarcely enough for their own Turnips are being taken up and are

an extra good crop in some places, while others are very poor. Prices are still high, especially cattle and hogs.-W. A. M.

BRUCE CO., ONT. HEPWORTH, Nov. 5.-On the Bruce Peninsula, potato growers are particu-larly favored. Rot is almost unknown. From Hepworth south, however, 30 to 75 per cent of the potatoes are rotting.-

MIDDLESEX CO., ONT.

ODELL, Nov. 7.-This place being quite near London, market gardening naturally predominates. And at this late date epice-did crops of onbhages, turnipe, carrota, celery, etc., are seen. Some fields of jet black, rich looking loam are entirely given

over to celery, and this crop looks fine. The writer was told that as much as \$500 an acre was often made out of a good crop of celery, while the market is in-exhaustable. The onion crop was also good, as crates full of onions were piled

good, as crates full of onlons were piled up like corfwood. A new bean thresher was purchased at the Western Fair, and will be used to thresh the bean crop south of London. It is of the latest model—J. E. O. T.—Labor is scarce, and with bad westher and large erops of apples, sugar beets and corn to harvest, farmers are hord pressed. Fail pioving

tarmers are hard pressed. Fall plowing is under way on some farms; on others not begun. Some clay farms are so tough on account of wet season that plowing is almost impossible. Pastures have been needs 0. M. M.

ESSEX CO., ONT. HARBON. Nov. 2-Corn. hunking is general in this district, with good yields prevailing: in fact the corn crop is a larger and better one than last season. Hogs are not pientful at \$820. Pail what fields present a thick, even stand, with a good growth for wintering. Pota-tors are nearly all harvested, and there are few reports of loss from rotting in this releast. Prices do not rain high, bund. Oats are do. If the hat do a picking up dray horses at good figures.--W. A. B. BRITISH COLUMBIA.

NEW WESTMINSTER CO., B.C.

NEW WESTMINSTER CO., B.C. OIIILLI WACK, Ock 32.-We are having lovely weather. fine dass and frosty nights. The physical television of the dask are solourning southwards in large flocks. Domestic ducks sell at \$10 a dox; young roosters. \$6 a dox: butter, 360: pork, its a b. live weight apples, \$120 a box of 40 lbs: potatoes, \$17 a tos; tur-ning, \$450 a ton.-3. C.

GOSSIP

HOLSTEIN TESTS FOR OCTOBER inly two official seven-day tests were ported during the month of October. e best of these is the very creditable

senior four-year-old record of Aydelott De Kol Burke-19.42 lbs. of fat.

Mature Class Mature Class 1. Jeanette Artis, 13,661, at 6y. 6m. 14d.: milk, 644 lbs.; fat, 15.61 lbs.; equal to 19.51 lbs. butter. Owned by J. M. Joyce, Little Creek, Ont.

good.-C. M. M. ESSEX CO., ONT.

per C. S.

-----Senior Four-Year-Old Class senior rour-ten-out class 1. Aydelott De Kol Burke, 10,756, at 4y, 6m.; milk, 451 lbs.; fat, 19.42 lbs.; equal to 24.28 lbs. butter. Owned by J. M. Joyce, Little Creek, Ont. Yearly Record of Performance Tests OUR FARMERS' CLUB N ------

Mature Class

1. Beess De Kol. 6738, at 5y. 356d.; milk, 16,333 lbs.; fat, 488.79 lbs.; equal to 610.98 lbs. butter. Owned by John C. Brown, Stamford, Ont-

WATERLOO CO., ONT. KINGWOOD, Nov. 6.-We are having a wet fail. It was wet all summer. Crops were good. Hay was very good and was well curvel; fail wheat is not up to the visual states of the second states of the to even be an observed on the weat weat to get it in good shaps before it was put into the barras. Corn was a very good erop but not well mntured. Mostly all siles are fail around Kingwood. Alfalfa is not grown mich. The writer has a this season. We seeded nine arres in the second this season. We seeded nine arres in the Stanford, Ont-Two-Year-Old Class 1. May Echo Srivin, 11,365, at 17, 3674. milk, 17,765. Ibs: fat, 364.364 lbs:, equal to 662.69 lbs. batter: Owned by A. C. 17, Twomo Chainnity Foosh, 1264, at 57, 204. milk, 7,951. lbs: fat 311.5 lbs. equal to 2893 lbs. butter: Owned by Richard Honey, Brickley, Ont. 3. Korradyke Beauty, 14,409, at 19, 2004.; milk, 60628 lbs.; fat, 310.88 lbs.; equal to Chaesterer bein Owned by A. Burank, Chaesterer bein Owned by A. Burank,

pices from which we cut three good crops this season. We seeded nine acres in the spring, which is a very good stand. Pota-toes are a good crop, but in places 50 per cent are rotten. Mangels and turnips are very good. There is a lot of fall plowing to do yet on account of the wet weather. Apples are a good crop.-A. B. Z. 388.60 Ibs. butter. Chesterville, Ont. G. W. CLEMONS, Secretary.

A RICHLY-BRED WORKING HERD OF HOLSTEINS

ROLENT DEPEND of ROLENTING THEORY IN THE ROLENTING STREAM OF THE ROLENT STREAM OF THE ROLENT STREAM OF herd and making good money from them through selling milk and cream to the city trade. Mr. McLean has worked too hard on his farm and with his cattle, and of late has found himself broken in lealth and forced to give up farming and part with his pure-bred cattle. As yet Mr. McLean is undecided whether

As yet Mr. McLean is undecided whether to call a public auction ask and malh his Holzteins early in December or to keep them over for a time longer, and perhaps well them as a herd privately. Recently while one of the editors of Farm and Dairy was in Heant county at his home Dairy was in Heant county at his home Mr. McLean and to impect his cattle. We were most acreeably surprised at the ex-cellency in the way of sourceir true.

Mr. McLean and to impect his eastle. We were most argreebly surprised at the ex-cellency in the way of superior type, quality, size and every indication of dairy production possessed by the Holsteins in itself and has never gone in for efficient itself and has never gone in for efficient are really worth in scale leads and has a close of the second second second second argin protect of realising what has cattle are really worth in scale calls a public sale. Good lugdes of Holsteins and dairy unusual generation of the second second second in generating the second second second second to devide the second second second second the devide the second second second second in Mr. McLean's herd of pure-break. There are some 40 individuals all told in Mr. McLean's herd of pure-break. There or some 40 individuals all told in Mr. McLean's herd of a valuable built of "Kerndyle" breading. Some of the attention sever link and of viama tentonic second has a low of the attention sever link and of the second and the constaint and severa-and anniha Korndyle, this latter below a free-parado, and a core of more plane second has a low of the attention sever link a sylvia and and canniha Korndyle, this latter below a free-parado, and a core of more plane second and and by the below day.

Should Mr. McLean decide to sell by au-tion, his sale will probably be held, dur-ing the last week of the Guelph Winter Fair, and the sale will be well and exten-sively advertised in Farm and Dairy.

NOTES ON THE WINTER FAIR

NOTES ON THE WINTER FAIR While preparations are being made for a larger exhibit than ever in all depart-ments of the Winter Fair, the seed sec-tion is receiving particular encourage-ment, the Canadian Seed Growers' Asso-ciation having added for around off-in the standing field error competition has been doubled. Seed entries close Novem-ber 18th. ber 16th.

ber 16th. The poultry men are planning for a bigger show than ever. Over \$4,000 in cash prizes is being offered in the regular pre-mium list. In addition, a large list of apocials will be offered. Poultry entries close November 25th.

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

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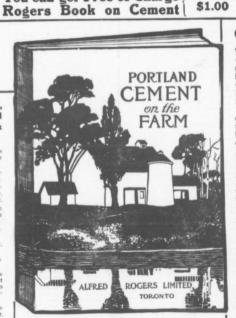
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